

UCLA General Catalog 2024-25

UCLA and General Catalog Information

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UCLA General Catalog

Published July 2024
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UCLA®

University of California, Los Angeles
Los Angeles, California 90095-1361

Main telephone
310-825-4321 (campus operator)
Speech- and hearing-impaired access
TTY 310-825-2833

For complete department and school address information, see the **campus directory**. For mailing address formats, see **address standards for UCLA mail**.

Accreditation

UCLA is accredited by the Western Association of Schools and Colleges (WASC) **Senior College and University Commission**, and by numerous special agencies. More information about UCLA accreditation is available at the UCLA Academic Planning and Budget **accreditation** web page.

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Catalog Publication

The *UCLA General Catalog* is published annually. A **PDF *Catalog*** is also available.

Every effort has been made to ensure the accuracy of the information presented in the *UCLA General Catalog*. However, all courses, course descriptions, instructor designations, curricular degree requirements, and fees described herein are subject to change or deletion without notice. Department websites referenced herein are published independently and may not reflect approved curricula and courses information. Consult this *Catalog* for the most current, officially approved courses and curricula.

Online Publications

See the **Registrar's website** for current detailed information about registration, enrollment, fees, deadlines, **updated course descriptions**, and other **academic information**. Courses offered each term can be viewed in the **Schedule of Classes**.

School Information Materials

Other information about UCLA may be found in materials produced by the schools of Arts and Architecture; Dentistry; Education and Information Studies; Engineering and Applied Science; Law; Management; Medicine; Music; Nursing; Public Affairs; Public Health; and Theater, Film, and Television.

Current graduate program information, including officially approved graduate programs and requirements, is available on the **Division of Graduate Education** website.

Production Credits

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The *UCLA General Catalog* is produced by the UCLA **Registrar's Office** Curriculum and Scheduling/Academic Publications group using CourseLoop, FrameMaker, and other software.

Chancellor's Message

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This *Catalog* describes the incredible array of academic offerings available to you at UCLA. Choose from 5,000 courses each term, 141 bachelor's degree programs, 144 master's and professional degree programs, 126 doctoral and professional degree programs, and 105 minors as you build a course of study that suits your interests and aspirations. As a world-class research university with strengths in disciplines from the arts to the sciences, UCLA offers you a remarkable range of academic possibilities. Additionally, more than 70 percent of our undergraduate classes have fewer than 30 students—so you can learn in smaller settings and get to know your professors and classmates.

UCLA is a welcoming place for students from diverse backgrounds. Those admitted to our first-year class for 2023–24, for example, represent all 50 U.S. states and Washington, DC; and more than 80 countries. All of our students have a thirst for knowledge and are determined to make a positive impact on society.

Our faculty of more than 5,200 is made up of renowned scholars who are highly regarded as leaders in their fields. At UCLA, we are proud that undergraduates, in addition to graduate students, have opportunities to study with top professors and conduct research under their guidance.

This *Catalog* includes opportunities that offer priority enrollment for lower-division students. Among these are *Fiat Lux* seminars, which are small classes in a broad range of subjects; clusters, which engage students in yearlong, team-taught interdisciplinary study of timely topics; and advanced research opportunities.

Despite the challenges we have all faced these past few years, UCLA remains a vibrant community of forward-looking achievers, who think outside traditional academic boundaries and share an exuberant desire to improve the world. We have accomplished so much in our first 105 years, and I look forward to seeing you continue this legacy of innovation throughout your time at UCLA and far beyond.

Gene D. Block

Outgoing Chancellor

About UCLA

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Few universities in the world offer the extraordinary range and diversity of academic programs that students enjoy at UCLA. Leadership in education, research, and public service make UCLA a beacon of excellence in higher education, as students, faculty members, and staff come together in a true community of scholars to advance knowledge, address societal challenges, and pursue intellectual and personal fulfillment.

As a public research university, the mission of UCLA is to create, disseminate, preserve, and apply knowledge to better society. Based on a foundation of learning and teaching, the mission also focuses on discovery, creativity, innovation, and civic engagement.

UCLA administration is led by its chancellor, provost, vice chancellors and vice provosts, and deans of the divisions and schools. Its Student Affairs division oversees programs and services that support student academic and personal success. Its Division of Graduate Education oversees recruitment and admissions, funding and appointments, and maintenance of high-quality standards in graduate programs. Through the Academic Senate, faculty share in the operation and management of UCLA.

UCLA is comprised of the College of Letters and Science—with its humanities, life sciences, physical sciences, social sciences, and undergraduate education divisions—and 12 professional schools: School of the Arts and Architecture; School of Dentistry; School of Education and Information Studies; Henry Samueli School of Engineering and Applied Science; School of Law; John E. Anderson Graduate School of Management; David Geffen School of Medicine at UCLA; Herb Alpert School of Music; School of Nursing; Meyer and Renee Luskin School of Public Affairs; Jonathan and Karin Fielding School of Public Health; and School of Theater, Film, and Television.

Education

The National Research Council Committee to Assess Research-Doctorate Programs evaluates the quality of the faculty in 212 American research universities approximately every 15 years. Of the 62 doctorate

degree disciplines studied in the 2011 evaluation, 33 UCLA academic departments ranked among the top 10 in the country and 12 ranked among the top 20.

Distinguished faculty members at UCLA include Nobel prizewinners, Guggenheim fellows, Sloan fellows, and Fulbright scholars, as well as numerous members of the National Academy of Sciences and the American Academy of Arts and Sciences. In fact, UCLA consistently places among the leading universities nationwide in the number of these prestigious awards granted to its faculty members.

This remarkable pool of talent is shared across the College and 12 professional schools. Undergraduate and graduate degree programs are offered by the College and by schools focused on education, engineering, fine arts, media, nursing, performing arts, public affairs, and public health. The other professional schools offer graduate degree programs and undergraduate minors.

Undergraduates may earn one of 141 bachelor degrees; graduate students may earn one of 144 master/professional and 126 doctorate/professional degrees.

Academic programs undergo continuous review and evaluation to maintain their excellence, and new degree programs are added as they are approved by the Academic Senate or the Regents.

Research

Pushing the boundaries of the known, UCLA researchers—faculty members and students, both graduate and undergraduate—venture every day into uncharted worlds from the molecular to the galactic.

Whether tracing the roots of urban decay, pioneering new drug therapies for cancer, or revealing a black hole at the center of our galaxy, research at UCLA is advancing the frontiers of knowledge.

Among the leading research universities in the world, in 2021-22 UCLA received $1.72 billion in extramural grants and contracts to support its research. Each year it hosts hundreds of postdoctoral scholars who share its facilities.

UCLA laboratories have seen major breakthroughs in scientific and medical research. Its study centers have helped foster understanding among the various cultures of the world. And its ongoing pursuits of new knowledge in vital areas continue to improve the quality of life for people around the world.

Faculty members teach both undergraduate and graduate courses and, through their research, create knowledge as well as transmit it. At UCLA, students are taught by the people making the discoveries. They exchange ideas with faculty members who are authorities in their fields and, even as undergraduate students, are encouraged to participate in research to experience firsthand the discovery of new knowledge.

Service

As a public university, serving the community is one of greatest commitments UCLA makes. Undergraduate and graduate programs, research activities, community outreach programs, and grass-roots participation by students, faculty, staff, and alumni help to forge a partnership between UCLA and the entire Los Angeles region.

With the Ronald Reagan UCLA Medical Center, UCLA furthers its tradition of medical outreach and assures the highest quality of care to Los Angeles and the world. The School of Dentistry, with clinics on campus and in Venice, offers free dental care and treatment to those in need at community health fairs. The **Rape Treatment Center**—located at the UCLA Medical Center, Santa Monica—offers 24-hour care to victims. Faculty and students in the Fielding School of Public Health work in communities around the world to address disparities underlying differences in the health status of individuals, and the School of Nursing offers care to the poor and homeless through its **nurse-managed health center** at the Union Rescue Mission. UCLA also supports K-12 enhancement programs such as the **Music Partnership Program** in the Herb Alpert School of Music, which funds UCLA students to be academic and musical mentors for at-risk youth.

Students can get involved in the community in many different ways. The **UCLA Volunteer Center** coordinates year-round programs and annual events, such as UCLA Volunteer Day where Bruins perform service work at over 55 community partner sites across Los Angeles. **BruinCorps** tutors under-performing youth in disadvantaged communities.

As UCLA gives to the community, Los Angeles gives something back. UCLA arts and cultural programs, for example, attract more than half a million people each year, drawn by everything from world-class acts performing at Royce Hall to screenings of classic films from the School of Theater, Film, and Television archives. These relationships create opportunities for partnerships and growth that ensure the pre-eminence of UCLA in the twenty-first century and beyond.

History of UCLA

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In 1880—with just 11,000 inhabitants—the pueblo of Los Angeles convinced the state government to establish a normal school (teachers college) in Southern California. Enthusiastic citizens contributed between $2 and $500 to purchase a site; and on August 29, 1882, the Los Angeles Branch State Normal School welcomed its first students in a Victorian building that had been erected on the site of an orange grove.

By 1914 Los Angeles had grown to a city of 350,000, and the school moved to new quarters—a Hollywood ranch off a dirt road that later became Vermont Avenue. In 1919 the school became the Southern Branch of the University of California, and offered two years of instruction in letters and science. Third- and fourth-year courses were soon added; the first class of 300 students was graduated in 1925, and two years later the Southern Branch had earned its new name: University of California at Los Angeles. In 1958, at was replaced by a comma and the official name became University of California, Los Angeles.

Continued growth mandated a site that could support a larger campus, and in 1927 ground was broken in the chaparral-covered hills of Westwood. The four original buildings—Royce Hall, College Library, Chemistry Building, and Physics-Biology Building—formed a lonesome cluster in the middle of 400 empty acres. The campus hosted 5,500 students its first term in 1929. The UCLA master's degree was established in 1933 and the doctorate in 1936. UCLA was fast becoming a full-fledged university that offered advanced study in almost every field.

Following World War II, UCLA began a period of spectacular growth: in 25 years its enrollment tripled to 27,000 students. The campus undertook what would become a $260 million building program that included residence halls, parking structures, laboratories, more classrooms, service buildings, athletic and recreational facilities, and a teaching hospital that is now one of the largest and most highly respected in the world. In the late 1950s and 1960s, UCLA was at the center of many milestones: the first open-heart surgery in the western U.S. was performed at its medical center; the first of 10 NCAA men's basketball championships was won; and it became the first ARPANET node, heralding the birth of the Internet.

The rest of the twentieth century, through the opening of the twenty-first, was peppered with notable UCLA events: Nobel prizes awarded to multiple faculty; breakthroughs in treatments for cancer, brain aneurysms, and organ transplants; explosive growth in research grants; more than 30 Oscars awarded to creative alumni; completion of a new medical center; expansion of campus housing to accommodate nearly all incoming freshmen; and becoming the first university to win 100 NCAA team championships.

At the start of the 2010s, UCLA began construction on a series of new residence halls with the goal of expanding guaranteed on-campus housing to all students. In 2016, the Herb Alpert School of Music became the 12th professional school at UCLA and first independent music school in the UC system. UCLA celebrated its centennial in 2019-20, raising $5.49 billion toward student scholarships, faculty support, research programs, and campus facilities. Today, UCLA is home to over 48,000 students and 4,200 faculty members. With 227 campus buildings, classes are held in more than 85 facilities. As UCLA passes its 100th anniversary, it remains firmly rooted in Westwood but its reach is beyond borders, with programs and collaborations that span the country, the globe, and even outer space.

University of California System

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UCLA is part of the **University of California** (UC) system, which traces its origins to 1868 when Governor Henry H. Haight signed the Organic Act that provided for the first California “complete university.” Classes began the next year at the College of California in Oakland. In 1873 the first Berkeley campus buildings were completed, and the university moved into its new home. The following June, bachelor’s degrees were conferred on 12 graduates.

Today, the University of California is one of the largest and most renowned centers of higher education in the world. Its 10 campuses span the state, from Davis in the north to San Diego in the south. In between are Berkeley, San Francisco, Merced, Santa Cruz, Santa Barbara, Los Angeles, Riverside, and Irvine. All campuses adhere to the same ad-mission guidelines and high academic standards, yet each has its own distinct character and academic individuality. Riverside, for example, excels in the plant sciences and entomology; Davis has a large agricultural school and the only UC veterinary medicine program; San Diego offers excellent oceanography and marine biology programs; and San Francisco is devoted exclusively to the health sciences. Among the campuses are six medical schools and four law schools, as well as schools of architecture, business administration, education, engineering, and many others.

The UC campuses have a combined enrollment exceeding 295,500 students, over 75 percent of them California residents. About one-fifth study at the graduate level. Some 150 laboratories, extension centers, and research and field stations strengthen teaching and research while supplying public service to California and the nation. The collections of over 100 UC libraries on the 10 campuses are surpassed in size in North America only by the U.S. Library of Congress collection.

The UC faculty is internationally known for its distinguished academic achievements. On its 10 campuses the University of California has 28 living Nobel laureates, and membership in the National Academy of Sciences is the largest of any university in the country.

The UC system is governed by a **Board of Regents** whose regular members are appointed by the Governor of California. In addition to setting general policy and making budgetary decisions for the UC system, the Regents appoint the President of the University of California, the 10 chancellors, and the directors and deans who administer the affairs of the individual campuses and divisions of the University

of California. The Regents delegate authority in academic matters to the **Academic Senate**, which determines academic policy for the University of California as a whole. The Senate, composed of faculty members and certain administrative officers, determines conditions for admission and granting of degrees, authorizes and supervises courses and curricula, and advises UC administrators on budgets and faculty appointments and promotions. Local divisions of the universitywide Academic Senate determine academic policy for each campus. Students also participate in policymaking at campus and system levels.

Campus Life

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Just six miles from the ocean, UCLA lies in one of the most attractive areas of Southern California. It is bordered on the north by the protected wilderness of the Santa Monica Mountains and on the south by Westwood Village. Besides lecture halls and classrooms, campus facilities include libraries, studios, theaters, and a planetarium; athletic fields, famed Pauley Pavilion, and recreation/exercise space; gardens and outdoor spaces accented by the Inverted Fountain and Janss Steps; the Hill, home to campus residence halls and common spaces; and its renowned medical center.

Unique Setting

UCLA is nestled in the hills of Westwood, with the Romanesque architecture of its early buildings a backdrop for diverse campus settings. Bruin Walk continually echoes with the chatter of students and vendors, but nearby, the botanical gardens provide a serene escape. While a hip-hop band energizes lunchtime crowds in Bruin Plaza, a classical recital may be taking place in Schoenberg Music Building, and students contemplating a Rodin or Lachaise in the Murphy Sculpture Garden may be unaware of a political rally organizing in Meyerhoff Park. With its traditional appearance and temperate climate, it is not unusual to find campus locations being used for filming television and movies and hosting large events.

To give a feel for the dynamic atmosphere at UCLA, **tours for prospective undergraduates** are offered by Undergraduate Admission.

Large Campus with a Comfortable Feel

The general campus population, some 43,919 students, is enriched by an additional 4,186 in the health sciences schools of dentistry, medicine, nursing, and public health. While such numbers sound daunting, UCLA offers orientation sessions and innovative academic assistance programs to help acclimate new students. Through a range of services and social programs, new students quickly meet people with

common interests in their academic departments, residence halls, or clubs and organizations. Even athletic events help to cement relationships as the campus comes together to celebrate Bruin victories.

Large lecture groups exist, especially in introductory courses; however, 83 percent of lower-division lecture classes in 2022-23 had under 200 students, and UCLA is striving to further reduce class size. Large lecture classes typically include discussion sections of about 25 students, or smaller seminars and laboratory classes. There is an overall ratio of one faculty member for approximately 18 students.

Most UCLA faculty members set aside office hours for students and appreciate the opportunity for informal conversation. Professors are often aided by graduate student teaching assistants (TAs).

Dynamic Student Body

Students at UCLA pride themselves on academic excellence. The fall quarter 2023 entering freshman class had an average high school GPA of 4.49.

One of the highest UCLA priorities is to advance the diversity of its students, faculty, staff, and administrators. The UCLA student population—nearly equally divided between men and women—yields the wide range of opinion and perspective essential to a great university.

Although most students are from California, they come from all 50 states and 132 foreign countries to study at UCLA. Ethnic minorities comprise 74.2 percent of the undergraduates and 72.3 percent of the graduate student population, and international students presently number almost 6,700, making this one of the most popular American universities for students from abroad.

Retention and Graduation

Retention and graduation rates in undergraduate programs at UCLA are consistently among the highest in the nation. At least 96 percent of all students entering as freshmen and 95 percent of all students entering as transfers regularly return to enroll at UCLA for the second academic year and beyond.

For entering freshmen, 85.8 percent graduate within four years, and 92.7 percent within six years. The average time to degree is 12 or fewer quarters (i.e., four or fewer years). For entering transfer students, 76.4 percent graduate within two years and 93.7 percent of all entering transfer students eventually graduate from UCLA.

More information on campus statistics is available from **Academic Planning and Budget**.

Academic Programs

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UCLA has a tradition of advancing higher education and the common good through excellence in scholarship, research, and public service. Academic excellence, faculty distinction, and a comprehensive curriculum are hallmarks of the UCLA experience. The College of Letters and Science and 12 graduate and professional schools present an extraordinary richness and diversity of teaching programs.

Academic programs offered at UCLA span the breadth and depth of over 200 disciplines and areas of study. Lecture, discussion, laboratory, research, and creative courses are supplemented by seminars, honors programs, specialized freshman clusters, internships, and education abroad opportunities. Instruction takes place in many unique venues, including specialized classrooms, computer and scientific laboratories, performance and studio spaces, and off-campus settings. Students and faculty members themselves mirror the cultural and racial diversity of Los Angeles. Academic programs are described in detail in **each department**.

The International Education Office, Summer Sessions, UCLA Extension, and UCLA International Institute offer academic and professional resources to UCLA and the greater Los Angeles community, as well as to the international community.

Study Abroad

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Study abroad and student exchange are exciting and broadening experiences that enrich any educational curriculum. The **International Education Office** (IEO) works to facilitate international education by serving as the campuswide portal for the development and administration of study abroad and student exchange activity. It supplies assistance to academic units seeking to develop study abroad programs, and it collaborates with the Academic Senate and departments to ensure academic oversight of study abroad programs. The IEO also coordinates student advising services for undergraduate and graduate students interested in studying abroad.

The IEO administers several programs, including the UC Education Abroad Program (UCEAP), Summer Travel Study, Non-UC Programs, and various student exchange agreements.

Education Abroad Program

The UC **Education Abroad Program** (UCEAP) offers short- and long-term study programs in cooperation with over 115 host universities and colleges in more than 42 countries throughout the world. Participating students remain registered at their home campuses while studying abroad and receive full academic credit for their work. With careful planning, study abroad should not delay progress toward graduation. While on EAP, students are eligible for financial aid.

Summer Travel Study

Summer Travel Study offers short-term summer programs on five continents. **Summer Travel Study** programs offer UC credit, the promise of an exciting summertime adventure, and intensive learning experiences taught by distinguished UCLA faculty members. Over 17 academic departments offer Summer Travel Study programs that include from 8 to 16 quarter units of UC credit. Financial aid is available for qualified UC students. Registration begins in November for the following summer on a first-

come, first-served basis. Summer Travel Study is open to all students at any academic level. There is no grade-point average requirement to participate.

Non-UC Programs

Students may also study abroad through other universities and programs not affiliated with UCLA. The IEO strongly recommends that all students considering **non-UC programs** contact the IEO early in the planning process about UCLA policies on planned academic leave (PAL), transfer credit, financial support, and more. UC financial aid is not available for study abroad on non-UC programs.

Summer Sessions

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UCLA offers various ways to earn UCLA credit during the summer—academic courses, summer institutes, travel study, and more. Hundreds of **courses** from over 70 departments are offered in three-, six-, eight-, nine-, and 10-week sessions. **Pre-college** and **college/professional** summer institutes offer innovative approaches to teaching and learning that combine UCLA coursework with practical training in real-world situations, preparing students for their future careers. For incoming first-year and transfer students interested in getting a head start on their degrees, there are summer bridge programs such as **Summer Pathways** and **Freshman Summer Program and Transfer Summer Program**. Some programs, such as the **Summer College Immersion Program**, are offered specifically for advanced high-school students, affording them an opportunity to experience the academic rigor of UCLA. **Summer Travel Study** allows students to learn various subjects as part of an exciting and challenging travel experience. All Summer Sessions **offerings** can be explored online.

Although visiting students are welcome to enroll, admission to summer sessions does not constitute admission to UCLA in either undergraduate or graduate standing. Students who wish to attend UCLA in regular academic terms must follow admission procedures described in **Undergraduate Study** and **Graduate Study**.

Regularly enrolled UCLA undergraduate students may attend summer sessions for full unit and grade credit. Summer session coursework is recorded on the UCLA transcript, and grades earned are computed in the grade-point average. Students should check with a College or school counselor about applying these courses toward degree requirements, and about any limitations the College or school may impose on coursework completed in summer sessions. UCLA financial aid is available to qualified UCLA students.

Regularly enrolled UCLA graduate students may, with department approval, take courses offered in summer sessions for credit toward a master's or doctorate degree; consult a graduate adviser in advance about this possibility. Summer session courses may also satisfy the academic residence requirement for master's or doctorate degrees.

Unlike enrollment in regular terms, students may attend another college institution for credit while they are enrolled in summer sessions. Registration information is available from the **Summer Sessions** office.

UCLA Extension

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With over 84,000 adult student enrollments each year, **UCLA Extension** is one of the largest university continuing education programs in the world. It is designed to bring the benefits of UCLA—its scholars, research, and resources—to the community and the state as a whole.

Many of the 5,500 UCLA Extension classes are innovative and experimental in content, format, and teaching methods. Credit and noncredit courses are offered in nearly every academic discipline, in many interdisciplinary areas, and in emerging fields.

In addition, Extension offers special programs each term on topical issues as well as those of ongoing public concern. Many noncredit Extension courses offer the opportunity to earn Continuing Education Units (CEUs), widely used for relicensure and other professional/career-related purposes.

Although registering for Extension courses does not constitute admission to UCLA, degree credit earned through Extension may apply toward the UCLA bachelor's or master's degree; consult a College or school counselor or graduate adviser before enrolling. For more information, refer to **UCLA Extension** under Transfer Credit in Academic Policies.

UCLA International Institute

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The **UCLA International Institute** promotes interdisciplinary education and research on world regions and global issues through 25 interdisciplinary research centers and eight interdepartmental degree programs. In addition, the institute leads efforts to internationalize UCLA curricula to prepare students to be global citizens and organizes the popular all-campus celebration of **International Education Week** every fall.

The institute offers six undergraduate majors including **Global Studies**, **International and Area Studies**, and **International Development Studies**; 10 undergraduate **minors**, including **Global Health** and **International Migration Studies**; and three **master's degree programs** in African Studies, East Asian Studies, and Latin American Studies. These academic programs annually enroll nearly 1,000 students. Together with its centers, the institute serves the entire campus through a wide range of academic activities, scholarships, and grants. It also brings together faculty from the College, professional schools, and diverse research centers for collaborative research initiatives. The institue serves as a gateway to the world for both UCLA and the global city of Los Angeles, hosting regular free public events, research conferences, cultural programs, and K–12 outreach.

In addition to its 20 area-based research centers, the institute also houses the **Burkle Center for International Relations**, **Center for Buddhist Studies**, **Center for the Study of International Migration**, **Center for World Languages**, **Fulbright Enrichment Program**, and **International Visitors Bureau**. The U.S. Department of Education (DoEd) has designated its centers focused on **East Asia**, **Latin America**, **Near East**, and **Southeast Asia** as National Resource Centers; and the **Center for European and Russian Studies** offers DoEd-funded foreign language and area studies fellowships. Its **National Heritage Language Resource Center** is the nation's first specialized language resource center dedicated to heritage language pedagogy.

Research Programs

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At any given time, more than 6,000 funded research programs are in progress at UCLA. Interdisciplinary Organized Research Units, research centers, institutes, and laboratories focus on key research in a specific area.

Specialized Research Centers, Institutes, and Laboratories

Additional **research centers, institutes, and laboratories** advance scholarship in all fields. The breadth of research conducted on campus is reflected in diverse undertakings from behavior to computing, demography to disease, and language to politics. This sampling of current research entities offers a view into the scope of research units.

Social Sciences

California Center for Population Research
Center for Language, Interaction, and Culture
National Center for Research on Evaluation, Standards, and Student Testing
UCLA Anderson Forecast

Health Sciences

Center for HIV Identification, Prevention and Treatment Services
Center for Reproductive Science, Health, and Education
Jonsson Comprehensive Cancer Center
Mary S. Easton Center for Alzheimer's Disease Research

Engineering and Physical Sciences

- Center for Autonomous Intelligent Networks and Systems
- Center for Energy Science and Technology Advanced Research
- Institute for Pure and Applied Mathematics
- UCLA Logic Center

Organized Research Units

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Organized Research Units (ORUs) are campuswide research programs. Members come from more than one department and usually from more than one school, college, or division.

American Indian Studies Center

The **American Indian Studies Center** (AISC) serves as an educational and research catalyst. It includes a library, postdoctoral fellowship programs, a publishing unit that produces books and a quarterly journal, and a student/community relations unit. AISC is one of four ORUs overseen by the **Institute of American Cultures** (IAC).

Asian American Studies Center

The **Asian American Studies Center** (AASC) seeks to in-crease knowledge and understanding of the experiences of Asian and Pacific Islander peoples in America, and promotes the development of material resources related to Asian American studies. The center includes a library, publications unit, student/community projects unit, and postdoctoral fellowship programs. AASC is one of four ORUs overseen by the **Institute of American Cultures** (IAC).

Brain Research Institute

The **Brain Research Institute** (BRI) has one of the largest programs for neuroscience research and education in the country, with approximately 300 scientists from nearly 30 departments involved in every aspect of neuroscience research from molecular organization to human behavior. The BRI offers facilities with new technologies for research and training; and sponsors affinity groups, conferences, and symposia

to strengthen ties among neuroscientists. Public service activities include an elementary-and-secondary-school outreach program and a joint educational program with UCLA Extension.

Center for European and Russian Studies

The **Center for European and Russian Studies** (CERS) develops and coordinates teaching and research on Russia and the successor states of the former Soviet Union—and western European countries—through conferences, lectures, seminars, and academic exchange programs with European and Russian institutions. It also funds advanced instruction in languages such as Czech, Hungarian, Romanian, Polish, and Serbian/Croatian, and offers fellowships to graduate students in European area studies.

Center for Medieval and Renaissance Studies

The **Center for Medieval and Renaissance Studies** (CMRS) supports the research activities of some 125 faculty members in 24 academic disciplines dealing with the development of civilization between A.D. 300 and 1650. Programs include appointing visiting professors, organizing conferences, and supporting departments in inviting lecturers. The center sponsors two journals: *Viator*, with emphasis on intercultural and interdisciplinary studies; and *Comitatus*, with articles by graduate students and recent PhD graduates.

Center for Seventeenth- and Eighteenth-Century Studies

The **Center for Seventeenth- and Eighteenth-Century Studies** organizes scholarly programs and workshops, publishes conference results, provides long- and short-term fellowships to students and scholars, offers graduate research assistantships and master classes, and organizes public programs and classical music concerts.

The center administers the **William Andrews Clark Memorial Library**, located in the West Adams neighborhood of Los Angeles, that specializes in seventeenth- and eighteenth-century British works. The library also has a renowned collection centering on Oscar Wilde and his era, and significant holdings of modern fine printing and Western Americana.

Center for the Study of Women

The **Center for the Study of Women** (CSW) draws on the expertise of more than 200 faculty members from 10 professional schools and 34 departments. To facilitate faculty research, the center organizes conferences and lecture series on feminist theory, administers research grants, and offers an affiliation for

research and visiting scholars. The center sponsors working groups; produces calendar-of-events posters; and hosts graduate programs and an annual graduate student research conference.

Chicano Studies Research Center

The **Chicano Studies Research Center** (CSRC) promotes the study and dissemination of knowledge about the experience of people of Mexican descent and other Latinos in the U.S. The center supports interdisciplinary and collaborative research and the analysis, understanding, and articulation of issues critical to the development of Chicano and Latino communities in the U.S. It seeks to establish and maintain relationships with communities with similar academic and research interests at the state, national, and international levels. The center also includes a library, academic press, and grant fellowship programs. CSRC is one of four ORUs overseen by the **Institute of American Cultures** (IAC).

Cotsen Institute of Archaeology

The **Cotsen Institute of Archaeology** (CIoA) studies and seeks to understand the human past through artifacts, analysis of field data, and the creation of archives. The institute—the only one of its kind in the U.S.—coordinates facilities for more than 30 researchers, and many graduate students and volunteers, in 11 associated academic departments. Facilities include the Ceramics Research Group collections, Cotsen Digital Archive, Lithic Analysis Research Group collections, Moche Archive, Rock Art Archive, and many laboratories such as the Channel Islands Laboratory, East Asian Laboratory, Human Origins Laboratory, and Zooarchaeology Laboratory. It publishes the findings of scholars from UCLA and other archaeology centers and supplies a forum for the public presentation of archaeological discoveries and advances.

Crump Institute for Molecular Imaging

The **Crump Institute for Molecular Imaging** (CIMI) brings together physical, biomathematical, chemical, biological, and clinical scientists and students to merge the principles of imaging with those of molecular and cellular biology, genetics, and biochemistry. The imaging domains range from the molecular organization of viruses and cellular subunits to the biological processes of organ systems in the living human. A major focus is the development and use of imaging technologies to collect, analyze, and communicate biological data. The institute has research and educational programs for visiting scientists, postdoctoral scholars, and PhD graduate students that include the development of multimedia computer-based learning technologies.

Gustave E. von Grunebaum Center for Near Eastern Studies

The **von Grunebaum Center for Near Eastern Studies** (CNES) coordinates research and academic programs related to the Near East. It supports the degree program in African and Middle Eastern Studies. Center resources include the largest faculty, one of the most comprehensive library holdings, and the richest variety of Near and Middle Eastern studies courses of any institution in the Western Hemisphere. The center conducts publication, community outreach, and scholarly exchange programs.

Institute for Research on Labor and Employment

The interdisciplinary research program of the **Institute for Research on Labor and Employment** (IRLE) studies employment relationships including labor markets, labor law, labor and management relations, equal employment opportunity, occupational safety and health, and related issues. Its **UCLA Labor Center** offers social policy and employment relations programs to the public, unions, and management. The academic unit of the institute oversees the Labor Studies major and minor.

Institute of Geophysics and Planetary Physics

The **Institute of Geophysics and Planetary Physics** (IGPP) is a multicampus research unit of the University of California; the branch at UCLA researches climate dynamics, geophysics, geochemistry, space physics, biochemistry, and biology. Research topics include the nature of the Earth, moon, and other planetary bodies; global and regional environmental change; the origin of terrestrial life; dynamical properties of the sun and solar wind; and the nonlinear dynamics of complex systems. Facilities include analytical laboratories in geochemistry, meteoritics, glaciology, petrology, geochronology, archaeology, and the origins of life; laboratories for experiments in fluid dynamics and high-pressure physics; developmental laboratories for instrumentation in space physics and seismology; and computational laboratories for large-scale numerical modeling.

Intellectual and Developmental Disabilities Research Center

The **Intellectual and Developmental Disabilities Research Center** (IDDRC) supplies laboratories and clinical facilities for research and training in intellectual and developmental disabilities. Interdisciplinary activities range from anthropological studies to molecular aspects of inherited metabolic diseases.

James S. Coleman African Studies Center

The **Coleman African Studies Center** (ASC) coordinates research on and teaching about Africa in the humanities, social sciences, and natural sciences, as well as in the schools of Arts and Architecture; Education and Information Studies; Law; Medicine; Public Affairs; Public Health; and Theater, Film, and

Television. The center sponsors public lectures, seminars, publications, and academic exchanges with African institutions, and an outreach service to the Southern California community.

Jules Stein Eye Institute

The **Stein Eye Institute** is one of the best-equipped centers for research and treatment of eye diseases in the world. This comprehensive facility is dedicated to the preservation of vision and prevention of blindness, the care of patients with eye disease, and education in the broad field of ophthalmology. Outpatient, inpatient, and surgical treatments are available.

The **Doris Stein Eye Research Center** houses clinical facilities as well as new research and training programs concentrating on major eye diseases worldwide.

The **Edie and Lew Wasserman Eye Research Center** houses outpatient surgery clinics; faculty offices; and refractive, oculoplastic, and cataract services.

Latin American Institute

The **Latin American Institute** (LAI) is a major regional, national, and international resource on Latin America and hemispheric issues. The institute sponsors and coordinates research, academic and public programs, and publications on Latin America in the humanities, social sciences, and professional schools; and links its programs and activities with developments in the field and in other institutional settings. By combining instruction, research, and service—and by encouraging multidisciplinary and interdisciplinary approaches—the institute promotes the use of UCLA Latin American resources for the benefit of the campus, the broader community, and the public at large.

Molecular Biology Institute

The **Molecular Biology Institute** (MBI) promotes molecular biology research and teaching at UCLA, with emphasis on genomics, proteomics, and chemical biology. The institute houses the laboratories of 200 faculty members from 30 UCLA departments and the Institute for Genomics and Proteomics, as well as the administration of the Molecular Biology Interdepartmental PhD Program and the Graduate Programs in Bioscience consortium.

Plasma Science and Technology Institute

The **Plasma Science and Technology Institute** (PSTI) is dedicated to research of plasma physics, fusion energy, and the application of plasmas in other disciplines. Students, professional research staff, and faculty members study basic laboratory plasmas, plasma-fusion confinement experiments, fusion

engineering and nuclear technology, computer simulations and the theory of plasmas, space plasma physics and experimental simulation of space plasma phenomena, advanced plasma diagnostic development, and laser-plasma interactions. They also study the use of plasma in applications ranging from particle accelerators to the processing of materials and surfaces used in microelectronics or coatings.

Ralph J. Bunche Center for African American Studies

The **Bunche Center for African American Studies** (CAAS) conducts and sponsors research on the African American experience, supports the African American studies curriculum, publishes research results, and sponsors community service programming. CAAS is one of four ORUs overseen by the **Institute of American Cultures** (IAC).

UCLA-DOE Institute for Genomics and Proteomics

The **UCLA-DOE Institute for Genomics and Proteomics**, funded though a Department of Energy (DOE) contract, conducts research in bioenergy, carbon capture, microbial genomics, and structural and functional studies of organisms and their constituents. Institute faculty members have joint appointments in academic departments and teach at both undergraduate and graduate levels. Major facilities include a biomedical cyclotron; advanced scanning equipment; and macromolecular crystallization, nuclear magnetic resonance, protein expression, and X-ray crystallography facilities.

Galleries and Museums

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Museums, galleries, and gardens offer eclectic resources ranging from the ancient to the avant-garde, helping to make UCLA the leading arts and cultural center in the West.

Fowler Museum at UCLA

The **Fowler Museum** at UCLA is internationally known for the quality of its collections. They encompass the arts and material culture of much of the world, with particular emphasis on West and Central Africa; Asia and the Pacific; and the Americas, past and present. It supports UCLA instruction and research and sponsors major exhibitions, lecture programs, and symposia. The museum is open to the public Wednesday through Sunday.

Grunwald Center for the Graphic Arts

Housed in the UCLA Hammer Museum, the **Grunwald Center for the Graphic Arts** holds a distinguished collection of over 45,000 prints, drawings, photographs, and artists' books, including nearly 10,000 works from the prestigious Armand Hammer Daumier and Contemporaries Collection. A study and research facility for the benefit of students and the community, the center's permanent holdings include significant European and American examples from the fifteenth century to the present. It is particularly noted for its collection of German Expressionist prints and works on paper by Matisse and Picasso, as well as the Richard Vogler Cruikshank Collection and the Frank Lloyd Wright Collection of Japanese prints. The center is open only by appointment.

Franklin D. Murphy Sculpture Garden

Situated on a picturesque five-acre expanse that spans the heart of north campus, the **Murphy Sculpture Garden** contains a collection of over 70 major works by Arp, Butterfield, Calder, Falkenstein, Hepworth, Lachaise, Lipchitz, Matisse, Moore, Noguchi, Rodin, Smith, Zuniga, and many other late nineteenth- and early twentieth-century masters. All works in this distinguished collection are private gifts to UCLA. Tours may be arranged.

Meteorite Collection and Gallery

UCLA has the largest collection of meteorites on the West Coast and the fifth largest in the U.S. Many of the most important meteorites are displayed in the **Meteorite Gallery** located in 3697 Geology. The collection and gallery are a major resource for cosmochemical research and the teaching of planetary science.

New Wight Gallery

The **New Wight Gallery** is an exhibit space for visual arts, including student and faculty exhibitions, housed in 1100 Broad Art Center.

UCLA Hammer Museum

The **Hammer Museum** regularly presents its collection of impressionist and post-impressionist paintings by such artists as Cassatt, Monet, Pissarro, Sargent, and Van Gogh. The museum organizes and presents major changing exhibitions devoted to examinations of historical and contemporary art in all periods. Cultural programming—including children's performance and storytelling series, music, poetry readings, and lunchtime art talks—are presented throughout the week.

Libraries

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Consistently ranked among the top academic libraries in the country, **UCLA Library** drives the world-class research, groundbreaking discoveries, and innovation for which UCLA is renowned. Whether across its 12 campus locations, through its esteemed **UCLA Film and Television Archive** or online, the library takes the lead in preserving cultural heritage, making knowledge accessible, and building a library of the future.

The UCLA Library serves students, faculty, and researchers of all disciplines; and welcomes everyone in the Bruin community to access the information, study spaces, and services they need to pursue their academic goals. Librarians and staff are available both online and onsite to provide research help, technology support, data services, and copyright and publishing assistance. See **research help** to connect with staff and to get started with the research process.

The UCLA Library catalog (**UC Library Search**) contains records for all 10 UC libraries and includes books, e-books, articles, digital media, videos/films, and more. It also includes other campus collections, such as the Chicano Studies Research Center Library, Ethnomusicology Archive, and William Andrews Clark Memorial Library.

Other **available discovery tools** include UCLA Library Digital Collections, Research Guides, the Online Archive of California, A-Z Databases, and more.

Arts Library

Housed in the Public Affairs Building, the **Arts Library** has collections focused on architecture, architectural history, art, art history, design, fashion and costume, film, television, photography theater, urban design, and allied disciplines.

Charles E. Young Research Library

The **Young Research Library** (YRL) houses collections in the humanities, social sciences, education, public affairs, government information, and maps. Multiple specialized libraries and services are located within YRL, including **UCLA Library Special Collections**, the **Rudolph East Asian Library**, and **UCLA Library Data Science Center**. Services also include research help, technology lending, group study spaces, and a cafe.

Data Science Center

Working with partners both on and off campus, the **UCLA Library Data Science Center** develops data literacy and foundational coding skills through consultation and education. Located in the Young Research Library, data scientists and staff offer support for data management, sharing and publishing, geospatial analysis and geographic information system (GIS), working with data and coding, statistical analysis, and more.

Eugene and Maxine Rosenfeld Management Library

Located in the Anderson Graduate School of Management complex, the **Rosenfeld Management Library** supports researchers with any business and management topic. The library offers multiple floors of study space, with some areas reserved for Master of Business Administration student use only.

Hugh and Hazel Darling Law Library

As a physical facility for focused study, a virtual world of information and resources, and an access point for intellectual engagement, the **Darling Law Library** is the intellectual hub of the UCLA School of Law.

Library Special Collections

Located on the A level of the Young Research Library, **Library Special Collections** contains rare books and pamphlets, primarily in the humanities, social sciences, and visual arts, from the 15th to 20th century; university archives; early maps and atlases; early California newspapers; manuscript collections; transcripts of oral history; ephemera; microfilm; tape recordings; prints; paintings; and drawings, including original architectural drawings.

Louise M. Darling Biomedical Library

The **Darling Biomedical Library** primarily serves the Geffen School of Medicine; the Fielding School of Public Health, the schools of Dentistry and Nursing; the Life Sciences Division of the College; related institutes in biomedicine; and the Ronald Reagan UCLA Medical Center. The collections are broad in scope and include print volumes and electronic resources—including journals, databases, and other materials—designed to support their primary clientele's teaching, research, and patient-care-related needs. In addition, the collections are a resource for the health, life sciences, and psychology communities.

Music Library

The collections of the **Music Library** in the Schoenberg Music Building include books, music scores, sheet music, video and sound recordings, microforms, and interactive media on Western music history and criticism; world music styles, cultures, and traditions; and music theory, aesthetics, philosophy, and organology. Studio A provides access to recording equipment and other technology.

Powell Library

Powell Library collections and services support the undergraduate experience with research and writing help, course reserves, technology lending, study space, and programming. Collaborators include the Cluster Program, the Undergraduate Writing Center, and Undergraduate Research Centers. The Film and Television Archive's **Research and Study Center** is located in Powell Library.

Richard C. Rudolph East Asian Library

Located in the Young Research Library, the **Rudolph East Asian Library** collects Chinese, Japanese, and Korean language materials in the humanities and social sciences. The collection is particularly strong in Japanese Buddhism, religion, Chinese and Japanese fine arts, Chinese archaeology, premodern history and classical literature on both China and Japan, and Korean literature and religion.

Science and Engineering Library

With its two locations, the **Science and Engineering Library** (SEL/Boelter and SEL/Geology) collects and maintains a research-level collection to meet the information needs of the Henry Samueli School of Engineering and Applied Science and the physical sciences departments. SEL/Boelter houses two collaborative spaces (SEL Research Commons and SEL Learning Commons), a group study room, course reserves, circulating stacks, and laptop lending. SEL/Geology hosts a quiet reading room, circulating stacks, group study rooms, and laptop lending; an adjoining room holds the William C. Putnam Map Collection, which includes topographic and geologic maps, serving as a depository for the United States Geological Survey geologic map series and topographic maps for California, Nevada, and Arizona.

Southern Regional Library Facility

The **Southern Regional Library Facility** (SRLF) contains space for University of California library materials, archives, and manuscript collections. Utilizing high-density shelving, the collections are stored in a climate-controlled environment that is designed to preserve the collections over time. Requests for items stored in the SRLF can be made both in person and online.

Special Archives and Collections

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In addition to the extensive collections of the UCLA Library, a rich array of other information resources is independently managed by individual UCLA departments and centers.

Cultural Center Collections

The **Bunche Center for African American Studies Library and Media Center** contains materials reflecting the African American experience in the social sciences, arts, and humanities. The **American Indian Studies Center Library** houses a collection on American Indian life, culture, and state of affairs in historical and contemporary perspectives. The **Asian American Studies Center Library/Reading Room** features Asian American and Pacific Islander resources. Materials related to Chicano and Latino cultures are housed in the **Chicano Studies Research Center Library**. The **William Andrews Clark Memorial Library** contains rare books, manuscripts, and other noncirculating materials on English culture (1641 to 1800). The **English Reading Room** features a noncirculating collection of British and American literature, literary history, and criticism.

Film and Television Archive

The **Film and Television Archive** is the world's largest university-based collection of motion pictures and broadcast programming. The archive holdings of over 350,000 motion pictures, 160,000 television programs, and 27 million feet of newsreel footage serve the UCLA community and national and international constituencies.

The **Motion Picture Collection** includes 27 million feet of Hearst Metrotone News film dating back to 1919, as well as noteworthy holdings including studio print and/or pre-print libraries from Hal Roach, New World Pictures, Orion Pictures, Paramount Pictures, Republic Pictures, RKO, Sony/Columbia Pictures, Twentieth-Century Fox, Universal Studios, and Warner Brothers. Certain special moving image collections

document the careers of Robert Altman, Dorothy Arzner, Hal Ashby, Tony Curtis, Ossie Davis, Cecil B. DeMille, Rock Hudson, Stanley Kramer, Harold Lloyd, Ida Lupino, Dolores del Río, Rosalind Russell, Anna May Wong, William Wyler, and independent filmmakers such as Allison Anders, Charles Burnett, Larry Clark, Julie Dash, Arthur Dong, Pat Rocco, and John Sayles to name a few.

The **Television Collection** includes kinescopes, telefilms, and videotapes spanning the entire course of broadcast history from 1946 to the present. All genres and types of programming are represented, including narrative works, news, specials, and local programming created by and for marginalized communities. A tape collection of over 100,000 news and public affairs programs acquired from off-air broadcasts (circa 1980 to 2003) is also maintained.

Archive Public Programs present screenings and discussions that focus on archival materials, new work by independent filmmakers, and international films.

The **Archive Research and Study Center** (ARSC) in Powell Library is the primary access point, for research and instruction, to the archive's collection of unique holdings.

Instructional Media

Instructional Media Collections and Services, located in Powell Library, is the central UCLA resource for collection and maintenance of educational and instructional media. Materials from the collection are loaned to regularly scheduled UCLA classes and may be rented by organizations and individuals from the campus community and beyond. Staff members monitor compliance with UCLA and UC guidelines and federal copyright law governing the use of video recordings. Reference books from educational and feature-film distributors are available. Staff members assist in researching media on any subject and obtaining materials from outside sources.

The **Instructional Media Laboratory** offers access to course- or textbook-related audio, interactive, and video programs. Students, assigned by faculty members to study specific supplementary materials, may learn at their own pace and time.

Other Collections

The **Ethnomusicology Archive** houses over 150,000 sound and audiovisual recordings of folk, ethnic, and non-Western classical music. The **Social Science Data Archive** contains a collection of statistical databases for the social sciences. The UCLA Lab School **Gonda Family Library** features contemporary materials for children from kindergarten through junior high school and adult works on children’s literature.

Parks, Reserves, and Natural Science Resources

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The geography of Southern California is conducive to research in the natural sciences. This diverse region is a natural laboratory supported by numerous UCLA resources for study.

Biological Collections

The **Biological Collections** of the Ecology and Evolutionary Biology Department include marine fishes from the Eastern Pacific and Gulf of California; and birds and mammals primarily from the Western U.S., Canada, Mexico, and Central America. The department also maintains a more limited collection of amphibians, reptiles, and fossil vertebrates.

Division of Laboratory Animal Medicine

The **Division of Laboratory Animal Medicine** is responsible for the procurement, husbandry, and general welfare of animals required for teaching and investigative services. It also administers the campus veterinary medical and husbandry programs.

Mildred E. Mathias Botanical Garden

The **Mathias Botanical Garden** is a living museum with one of the most important botanical collections in the U.S. With specimens from all over the world, the seven-acre expanse on south campus is home to over 3,000 types of plants in a wide range of environments. The botanical garden also has a research

herbarium containing 180,000 dried plant specimens. School and community group tours are available, as are individual guided tours.

Stunt Ranch Santa Monica Mountains Reserve

The University of California founded the UC Natural Reserve System (NRS) in 1965 to preserve undisturbed natural areas representing the state's vast ecological diversity for students, teachers, and researchers from public and private educational institutions to use as outdoor classrooms and living laboratories. The **Stunt Ranch Santa Monica Mountains Reserve**, administered by the Los Angeles campus, officially joined the UC NRS in November 1995. The 310-acre site is a 40-minute drive from UCLA and includes fine examples of chaparral and oak woodland ecosystems. The reserve lends itself to programs that focus on the natural ecosystems and issues of resource management in the urban/wildland interface. Undergraduate and graduate courses in the departments of Anthropology; Earth, Planetary, and Space Sciences; Ecology and Evolutionary Biology; Geography; Physics and Astronomy; and the Institute of the Environment and Sustainability utilize Stunt Ranch and other NRS sites.

UCLA Health System

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Consisting of **Ronald Reagan UCLA Medical Center**; **UCLA Medical Center, Santa Monica**; **Resnick Neuropsychiatric Hospital at UCLA**; **UCLA Mattel Children's Hospital**; and the UCLA Medical Group, with wide-reaching primary- and specialty-care offices, **UCLA Health** is among the most comprehensive and advanced health care systems in the world, and is consistently ranked among the top hospitals in the nation and the West.

From its level-one trauma center and intensive-care units to The BirthPlace Westwood, the Ronald Reagan UCLA Medical Center on campus is equipped with the latest medical advances to provide world-class patient care. The UCLA Medical Center, Santa Monica is home to the **UCLA Rape Treatment Center**, which serves as a national model for the treatment of rape victims and their families.

Student Services

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Like a small city, UCLA has its own police department and fire marshal, an equivalent to the phone company, health center, corner restaurants, and shops. Hundreds of services for the campus community facilitate academic and personal endeavors.

Study Services

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From academic advising to advanced computer support, UCLA study services give students the tools they need to achieve academic success.

Academic Counseling

Many sources of academic counseling are available. Faculty advisers and counselors in the College and each school help students with major selection, program planning, academic difficulties, degree requirements, and petitions.

Advisers in each department counsel undergraduates concerning majors offered and their requirements, and possible career and graduate school options (see **each school and department**). In addition, graduate advisers are available in each department to assist prospective and currently enrolled graduate students.

Computer Laboratories

Student computer laboratories are supported through the **Campus Library Instructional Computing Commons** (CLICC), a collaborative effort of the **Humanities Technology**, **Social Sciences Computing**, **Teaching and Learning Center**, and Powell Library. Some 15 computer laboratories are available throughout the campus, each with computers, peripherals, software, and services that cater to specific areas of study. See the departments listed above or Information Technology Services **IT resources** for more information.

Course Readers

ASUCLA **Course Reader Solutions** supplies custom course readers for faculty in both print and e-book formats, obtaining copyright authorizations each year. The office is located in the Textbooks department on the A level of Ackerman Union.

Course Websites

The **Instructional Enhancement Initiative** (IEI) assures that all UCLA undergraduate nontutorial courses offer an individual course website for faculty members, teaching assistants, and enrolled students. The sites facilitate the distribution of supplementary course materials, lecture notes, homework assignments, research links, and electronic communication, including virtual office hours and class bulletin boards for interactive question-and-answer sessions. Instructors decide which of these online capabilities are best suited to their course websites. Many course websites are available through **Bruin Learn**.

Disabilities and Computing Program

The **Disabilities and Computing Program** (DCP) supplies adaptive technology and information-access support and services to students, faculty, and staff with disabilities. Applications include voice input, Braille, large print, screen-reading software, and learning disability software. Consulting and training for individuals and departments are available. The program also offers Web accessibility evaluations and guidelines.

Internet

UCLA IT Services is the campus Internet service provider for UCLA students, faculty, and staff; and a vehicle for accessing campus network communication services. Bruin OnLine services include access to the campus backbone network and the Internet, e-mail accounts, Google Apps for UCLA, Box, and personal web hosting. Limited wireless Internet access is available on campus to anyone with a wireless enabled laptop or mobile device. Utility software can be downloaded from the IT Support Services website. Help desk services are available.

MyUCLA

MyUCLA is the easiest way for students to gain real-time access to their academic, financial, and personal records. The site is designed with an intuitive visual interface to walk students through procedural steps. MyUCLA offers a large number of services.

Students use the Class Planner to create plans prior to enrollment and are able to share these plans with counselors. MyUCLA also allows students to check enrollment appointments; view real-time enrollment counts; find classes and enroll; exchange or drop classes; change units and grade type; and view their

study list, which includes information on class meeting times, final examinations, classmates, gradebook, textbooks, and class websites.

MyUCLA is used to declare candidacy and nonattendance, view Degree Audits, order transcripts and diplomas, change address information, view term grades and calculate grade-point average, find information on holds, order commencement tickets, access BruinBill and tax information, view financial aid awards and notices, and access UCLA Google
e-mail accounts. The MyUCLA Message Center contains a database of answers and allows students to correspond with campus departments. MyUCLA also links to important communications regarding registration and UCLA policies.

Other features include notifications; voting in student association elections; personal calendar and event reservations; and links to UCLA online resources.

Students can access MyUCLA from Sunday noon through Tuesday 1 a.m., and Tuesday through Saturday from 6 a.m. to 1 a.m. the next day, including holidays. **MyUCLA Features** contains a full list of features.

Student Life Resources

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From housing to transportation, basic student needs are facilitated by services designed to enhance all aspects of student living.

Center for Accessible Education

The **Center for Accessible Education** (CAE) in A255 Murphy Hall offers academic support services to regularly enrolled students with documented permanent or temporary disabilities in compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, and UC and UCLA policies. Services include campus orientation and accessibility, notetakers, reader service, sign-language interpreters, registration assistance, test-taking facilitation, special parking assistance, real-time captioning, assistive listening devices, on-campus transportation, adaptive equipment, support groups and workshops, tutorial referral, special materials, housing appeals, referral to the Disabilities and Computing Program, and processing of California Department of Rehabilitation authorizations. There is no fee for any of these services. All contacts and assistance are handled confidentially.

For information, see **See Disabilities and Computing Program** under Study Services.

Dean of Students/Student Conduct

The **Office of the Dean of Students** in Murphy Hall helps students, either directly or by referral, with whatever needs they might have. Direct services include general counseling; sending emergency messages to students; and assisting in understanding UCLA and UC policies and procedures, including grievance procedures regarding student records, discrimination, and student debts.

The office publishes official notices in the *Daily Bruin* at various times during the year. Such notices are important, and all students are held responsible for the information in them.

The **Student Conduct office** administers campus discipline and enforces the standards of citizenship that students are expected to follow at UCLA. Standards involve complying with the policies and regulations governing this campus and being aware that violation of those policies or regulations can result in disciplinary action. Refer to **Student Conduct Policies** for more information.

Resource Centers

Bruin Resource Center

The **Bruin Resource Center** (BRC) in the Student Activities Center can help students navigate the campus and its many services by directing them to the correct office or personnel to meet their specific needs.

The center offers services to all UCLA students, including specialized services for transfer and re-entry students, students who are transitioning out of foster care, student parents, and veterans. Additional offerings include workshops and academic courses to help students develop practical skills and knowledge to succeed at UCLA.

The BRC also houses the **Veterans Resource Office**, which offers services specifically designed to assist students who are U.S. armed forces veterans or current military members.

Career Center

The UCLA **Career Center**, located in the Strathmore Building, offers career education, development, engagement, and support free to all UCLA students.

Career Support

Career educators offer assistance with completing self-assessments, exploring career options, evaluating graduate and professional school programs, identifying transitional skills, and conducting a successful job or internship search. Career educators also share information on internship opportunities and how to develop a professional network. A variety of workshops are offered year-round to help students become career-ready. Additionally, students can connect with employers through career fairs, employer information sessions, on-campus interviews for internships and jobs, and other employer-facing events.

Online Tools and Resources

Students looking for internships, jobs, and other experiential learning opportunities to develop their skills can find listings through **Handshake**, an online platform that connects UCLA students with thousands of employers looking to hire and recruit UCLA graduates, exclusively. Additional **online resources** are available for resume review; interviewing practice; searching for project-based internships, micro-internships, and international options; and tools that allow students to explore interests and career fields.

International Student Services

International student services, based in Bradley International Hall, offer support for the UCLA international community, particularly for nonimmigrant students. An online orientation program helps international students become familiar with visa regulations, campus life at UCLA, and life in the U.S. Programs throughout the year allow them to share viewpoints with American students and the community.

Dashew Center for International Students and Scholars

The **Dashew Center for International Students and Scholars** assists students with questions about immigration, employment, government regulations, financial aid, academic and administrative procedures, cultural adjustment, and personal matters. The center seeks to improve student and community relationships; helps international students with language, housing, and personal concerns; and sponsors cultural, educational, and social programs. The center offers visa assistance for faculty members, researchers, and postdoctoral scholars.

Lesbian Gay Bisexual Transgender Campus Resource Center

The **Lesbian Gay Bisexual Transgender Campus Resource Center** in the Student Activities Center offers education, information, and advocacy services for the UCLA community. The center offers support groups, educational workshops, training seminars, and social activities; and maintains a library of 4,000 books, periodicals, and films. The staff provides confidential assistance and support to students, faculty, and staff who feel they have experienced harassment or discrimination or who wish to connect to the campus LGBTQ community.

Office of Ombuds Services

The **Office of Ombuds Services** responds to issues and concerns from students, staff, faculty, and administrators. Acting impartially, ombudspersons may investigate unresolved conflicts or facilitate the resolution of problems for which there are no established guidelines; and may also, where possible and when requested, assist in resolving an issue through mediation (including sexual harassment cases). The office is located in the Strathmore Building.

Student Legal Services

Through **Student Legal Services** in Murphy Hall, currently registered students with legal problems or questions about their legal rights can get assistance from attorneys or law students under direct supervision of attorneys. They help students resolve legal problems, including those related to landlord/tenant relations; accident and injury problems; criminal matters; domestic violence and harassment; divorces and other family law matters; automobile purchase, repair, and insurance problems; health care, credit, and financial aid issues; consumer problems; and UCLA-related issues. Assistance is available only by appointment.

Veterans Affairs Services

The veterans affairs benefits officer provides assistance with benefit information, waivers, enrollment certification, and coordinating transitions to and from active duty. For more information, see **Registrar's veteran services**.

Part of the Bruin Resource Center, the **Veterans Resource Office** (VRO) helps veterans navigate UCLA and furnishes mentoring, guidance on educational benefits, and tools to succeed academically and personally through a variety of programs and services.

ASUCLA Services

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Founded when UCLA opened in 1919, **Associated Students UCLA** (ASUCLA) delivers services to the campus community through student government, student media, and services and enterprises. Every registered UCLA student is a member of ASUCLA.

Student Government

Many facets of student life at UCLA are sponsored or organized by student government. Getting involved in the decision-making process is rewarding and offers avenues of expression students may not find in other aspects of their university experience.

Graduate Students Association

The **Graduate Students Association** (GSA) is the official organization representing UCLA graduate and professional students in academic, administrative, campus, and statewide areas. GSA appoints or elects graduate student members to important campus organizations and committees including the Student Fee Advisory Committee and Academic Senate committees. It sponsors graduate student orientation; the Graduate Student Resource Center and Graduate Writing Center; and various graduate student journals, programs, and social events, including the Melnitz Movies film program.

Undergraduate Students Association

Undergraduate student government is embodied in the **Undergraduate Students Association** (USA). Its governing body, the Undergraduate Students Association Council (USAC), is comprised of elected officers as well as appointed administrative, alumni, and faculty representatives. Every UCLA undergraduate student is a member of USA.

USA activities offer services to the campus and surrounding communities, and give students the opportunity to participate in and benefit from multiple programs. For example, its programs tutor youths and adults, address health needs of ethnic communities, combat poverty and homelessness, and better the environment.

Campus Events

Each year approximately 40,000 students, faculty, and staff attend programs of the **Campus Events Commission** (CEC), including a film program, speakers program, and performances by dozens of outstanding entertainers.

The Speakers Program brings entertainers, politicians, and literary figures to campus and presents two annual awards—the Jack Benny Award for comedic excellence and the Spencer Tracy Award for outstanding screen performance. Speakers and awardees have included notables as varied as Bill Gates, Whoopi Goldberg, and Tom Hanks.

The Concert Program brings new and popular performing artists like Rage Against the Machine or A Tribe Called Quest to UCLA for free and affordably priced concerts.

The **Cultural Affairs Commission** sponsors art exhibits in the Kerckhoff Hall Art Gallery, the JazzReggae Festival, Bruin Bash, Hip Hop Congress, and Worldfest.

Publications, Web, and Broadcast Media

Student publications and media offer a training ground for aspiring writers, journalists, photographers, and media managers while serving the communication needs of the campus community. Most publications offices are in Kerckhoff Hall. Information and applications are available **online**.

Daily Bruin

The ***Daily Bruin***, with a circulation of 9,000, is one of the largest daily newspapers in Los Angeles. As the principal outlet for campus news, the *Bruin* is published each weekday of the academic year (once a week during the summer) and is distributed free from kiosks around campus and local areas. Students work as reporters, editors, designers, photographers, videographers, and radio reporters, as well as advertising sales representatives and marketing account executives. New staff members are welcome every quarter.

Newsmagazines

Seven print newsmagazines reflecting the diversity of the campus community are published each term. ***Al-Tālib***, ***Fem***, ***Ha'Am***, ***La Gente***, ***Nommo***, ***OutWrite***, and ***Pacific Ties*** deal respectively with issues relevant to the Muslim; feminist; Jewish; Chicano, Latino, and Native American; African American; lesbian,

gay, bisexual, transgender, and queer; and Asian communities. Each includes news and features on political and cultural affairs both on and off campus. Prospective staffers are welcome.

Online Media

Student Media supports the **Bruinwalk.com** community portal. Features include UCLA professor reviews, used book trading, reviews of apartments near UCLA, and a campus calendar.

UCLA Radio

UCLA Radio broadcasts live over the Internet and features college alternative, hip-hop, jazz, and world music. It also covers select Bruin football, basketball, and baseball games and airs a lineup of sports talk shows. Studios are in Ackerman Union; all positions, including on-air, news staff, and advertising representatives, are open to students.

Yearbook

The UCLA yearbook, ***BruinLife***, is one of the largest student publication efforts on campus. It contains photographs and information on undergraduate students, graduating seniors, athletic teams, fraternities and sororities, and campus activities. Students who would like to participate may contact the yearbook staff.

Graduating students can use **BruinLife Photo Studio** for their senior yearbook portraits.

Retail and Restaurants

Restaurants

ASUCLA operates more than a dozen restaurants and 10 coffee houses on campus, assuring a range of eating options from Italian to sushi. From the residence halls to the student union, a restaurant is never far. Hours vary, especially during summer and holidays. Locations of all the restaurants are posted **online**.

UCLA Store

The **UCLA Store** has six locations on campus. Author signings, sales, and other special events are announced in the *Daily Bruin* or on the UCLA Store website.

The UCLA Store–Ackerman Union has eight departments. Textbooks carries required and recommended texts for most undergraduate and many graduate courses, and operates a buyback service so students can sell used texts. BookZone offers reference books and a wide selection of titles in literature, science, history, and technical disciplines, including those by faculty authors. Computer Store carries personal

computers, peripherals, accessories, and software at low academic prices. Essentials offers school and office supplies, including printer consumables. BearWear specializes in UCLA emblematic merchandise. Fast Track carries active sportswear and accessories for men and women. Beautique stocks makeup, Clinique skin care, and fashion accessories. Market is a convenience store, with snacks, health and beauty aids, gifts, and greeting cards. Ashe-Center-operated **U See LA Optometry** and **Bruin Health Pharmacy** are also in Ackerman Union.

UCLA Store–Health Sciences specializes in books and supplies for students in dentistry, medicine, nursing, public health, and related areas. UCLA Store–Lu Valle Commons carries art supplies and books, as well as textbooks and supplies for all on-campus Extension courses and selected academic programs (architecture and urban design, art, design, film, information studies, law, management, public policy, social welfare, theater, urban planning). North Campus Shop, South Campus Shop (Court of Sciences), Energy Zone (Wooden Center) and Hill Top Shop in Sunset Village are convenience store locations.

Other Services and Enterprises

ASUCLA oversees a variety of other services ranging from a post office to a hair salon. Most are located in Ackerman Union.

For students preparing to graduate, **Graduation Etc.** sells and rents caps, gowns, and hoods for degree ceremonies; and offers announcements, diploma mounting, portraits, and other graduation-related products and services.

Bruin Custom Print offers copying; binding; and banner, poster, and t-shirt printing. The shop streamlines the process involved in printing custom specialty products that need UCLA licensing and trademark clearance.

Health Services

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Students physical and mental health are priorities at UCLA. Multiple services, from clinics to specialists and medical retail, are available.

Arthur Ashe Student Health and Wellness Center

The **Ashe Student Health and Wellness Center** in Westwood Plaza is a full-service medical clinic available to all registered UCLA students. Most services are subsidized by registration fees, and a current BruinCard is required for service. Its clinical staff of physicians, nurse practitioners, and nurses is board certified. It offers primary care, specialty clinics, and physical therapy. The center has its own laboratory and radiology sections. It operates the Bruin Health Pharmacy and U See LA Optometry in nearby Ackerman Union. Visits, core laboratory tests, X-rays, and preventive immunizations are all prepaid for students with the University of California Student Health Insurance Plan (UCSHIP).

The cost of services received outside the Ashe Center, such as emergency room services, is each student's financial responsibility. Students are required to purchase medical insurance either through the UCLA-sponsored UCSHIP or other plans that provide adequate coverage. Adequate medical insurance is a condition of registration. See Registration in **Undergraduate Study** and **Graduate Study**.

Contact the Ashe Center for specific information on its primary care, women's health, immunization, health clearance, optometry, travel medicine, and mind-body clinics, as well as dental care available to students at discounted rates. For emergency care when the Ashe Center is closed, students may obtain treatment at the Ronald Reagan UCLA Medical Center emergency room on a fee-for-service basis.

Mental Health Services

Services for mental health range from routine counseling and psychotherapy to crisis counseling.

Counseling and Psychological Services

Counseling and Psychological Services (CAPS) offers short-term personal counseling and psychotherapy in 221 Wooden Center West, 310-825-0768.

Psychologists, clinical social workers, and psychiatrists assist with situational stresses and emotional problems from the most mild to severe. These may include problems with interpersonal relationships, academic stress, loneliness, difficult decisions, sexual issues, anxiety, depression, or other concerns affecting the personal growth of students.

In addition, **Campus Assault Resources and Education** (CARE) counselors—individuals who provide information, support, and resources for members of the UCLA community who have been raped, sexually assaulted, stalked, or involved in a dating or domestic violence incident—can discuss options and alternatives, help identify and assist in contacting the most appropriate support services, and answer any questions that may arise.

Service is confidential and available to regularly enrolled students. Students are seen individually by appointment or may choose from a number of groups offered each term. Emergency and walk-in counseling is also available.

Safety Services

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Student safety services include prevention, emergency and safety systems, and the campus police department.

For police, fire, or medical emergencies, call 911 from any campus phone. For nonemergency information, call **UCLA Police** at 310-825-1491.

UCLA Emergency Numbers	
Police, Fire, or Medical Emergency	911
UCLA Medical Center Emergency Room (24 hours)	310-825-2111
UCLA Counseling and Psychological Services (24 hours)	310-825-0768
UCLA Police (24 hours)	310-825-1491

UCLA **Campus Assault Resources and Education** (CARE) Prevention and Education Services—including workshops, self-defense classes, counseling, and referrals—increase physical and psychological preparedness and heighten awareness of the complex issues of rape, sexual assault, and relationship violence.

UCLA **Consultation and Response Team** (CRT) is a group of professional staff members charged with responding to reports of students in distress, with representatives from the College, Dean of Students, Counseling and Psychological Services, Residential Life, and UCLA Police.

The Center for Prehospital Care offers **cardiopulmonary resuscitation** (CPR) and basic emergency care courses, which can be organized most days and times.

The **Office of Environment, Health, and Safety** (EH&S) works to reduce workplace hazards on campus and to promote safety at all levels of the UCLA community. EH&S is a consulting resource for UCLA departments and personnel who want to learn how to make the workplace safe. It handles requests for

safety information and training, regulatory interpretation and applicability, approval for potentially hazardous procedures, resolution of safety problems, and surveillance and monitoring of persons and workplaces.

UCLA Police Department

The UCLA **Police Department** (UCPD), 310-825-1491, is located at 601 Westwood Plaza. The sworn UCPD officers are empowered by the state of California with the authority to enforce all state and local laws. UCPD officers patrol the campus 24 hours a day, 365 days a year. They enforce all applicable local, state, and federal laws; arrest violators; investigate and suppress crime; and provide a full range of police services and community safety programs.

The department is linked by computer to city, state, and federal criminal justice agencies that provide access to information concerning criminal records, wanted persons, stolen property, and vehicle identification. The detective unit handles criminal investigations, and detectives conduct interviews, arrest violators, execute search warrants, and file cases with the Los Angeles District and City Attorney offices.

UCPD police officers have primary jurisdiction over the UCLA campus, Reagan UCLA Medical Center, Center for the Health Sciences, Santa Monica-UCLA Medical Center, and University Apartments South. The city of Los Angeles Police Department does not routinely handle calls for service on campus or on most UCLA properties.

Incident Reporting

All requests for police service should be made to UCPD. All crime occurring on campus, the Center for the Health Sciences, and other UCLA properties should be reported immediately to UCPD to ensure appropriate action is taken. Crimes occurring off campus should be reported immediately to the local law enforcement agency. UCPD does take reports from students, faculty, and staff for incidents occurring in the Westwood area.

Police, fire, or medical emergencies can be reported by calling **911** from any telephone on campus. All landline telephones (UCLA, private, public) located on UCLA grounds are tied into the 911 emergency system. Emergencies can also be reported by using the blue-hooded or yellow Emergency Reporting Telephones located throughout the campus.

Calls made to 911 from a cell phone may not go directly to UCPD depending on the tower used by the cell phone at the time of the call. Callers should advise the dispatcher and ask if they are speaking with UCPD. If not, and time permits, callers may ask to be transferred to UCPD 911.

Nonemergency calls for service can be made by contacting the department at 310-825-1491. Campus community members are encouraged to program the department number into their cell phones and report on suspicious circumstances.

Crime Statistics and Reports

As required by the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act and consistent with the amendments of the Violence against Women Reauthorization Act of 2014, UCLA prepares an **annual report** describing campus security policy and information concerning alcohol and drug use, crime prevention, crime reporting, and related matters. It also includes three years of crime statistics. For a printed copy, call 310-825-1491.

Community Service Officers

UCPD employs approximately 50 student **community service officers** (CSO) who are the additional eyes and ears (trained observers) of the department and act as noninterventive visual deterrents to crime. CSOs wear high-visibility uniforms and carry two-way police radios. They are dispatched by the department communications center and provide a direct link to police, fire, and medical aid. CSOs provide security service to a number of campus buildings, including residence halls and libraries. They are most well-known for CSO escorts. **CSO escorts** operate every day of the year from dusk to 1 a.m. (2 a.m. on Thursdays during academic quarters). Individuals requesting the service call the Communications Center at 310-794-WALK; a CSO is then dispatched to walk them safely to their destination. The service is available to UCLA students, staff, faculty, and visitors; and operates on campus and in the nearby residential areas.

The free **UCLA SafeRide** service, operated by UCLA Transportation, offers a safe, accessible, and convenient mode of transportation around campus at night (Monday through Thursday from 7 p.m. to 10:30 p.m. during academic terms). Rides can be requested through the UCLA SafeRide web application, available on Google Play and the Apple App Store; a UCLA login is required to access the app.

Public Safety Aides

UCPD employs approximately 8 **public safety aides** (PSA) who also serve as additional eyes and ears (trained observers) of the department and act as noninterventive visual deterrents to crime. PSAs wear high-visibility uniforms and carry two-way police radios. They are dispatched by the department communications center and provide a direct link to police, fire, and medical aid. PSAs are a part of the UCLA Police Department's Operations Bureau, under the Community Services Division. As part of the multi-tiered response, PSAs work in conjunction with sworn and civilian personnel of the department to meet community needs. PSAs provide security and patrol service within the campus perimeter. **PSA escorts** operate every day of the year from 6 a.m. to 10 p.m.

Crime Prevention

An involved community is one of the best defenses against crime. Therefore, the department is committed to a community policing philosophy and supports a proactive **Crime Prevention Unit** that works closely with community members to make UCLA a safer place to work, live, and learn. The unit gives

presentations on vehicle and residential security, personal safety, office and equipment security, sexual assault prevention, and active shooter situations. Other programs are developed to meet the special needs of the campus community. **Brochures and literature** on crime prevention and personal safety are available online.

Counseling and Psychological Services (CAPS) and the Crime Prevention Unit offer presentations on sexual assault issues. Topics include acquaintance rape education and prevention, personal safety and prevention techniques, recovery from sexual assault, clear communications, and the continuum of violence and rape in society. The educational programs, tailored to meet the needs of individual audiences, include films, discussion groups, lectures, role-plays, and communication exercises. CAPS reaches students through the residence halls, sororities, fraternities, athletic teams, student clubs, and various student functions. Services include crisis intervention and advocacy for victims of sexual assault; short-term counseling and referrals for survivors, their families, and friends; support groups for rape survivors; and self-defense classes and a lending library. CAPS works closely with the student housing offices and the police department to increase campus safety.

Several programs have been designed to increase the level of crime awareness and campus safety at UCLA. Incidents of criminal activity that pose a potential threat to the campus are brought to the attention of the community through campus **crime alert bulletins**. Additionally, those interested in receiving public safety bulletins and news briefs can sign up for the **campus safety listserv**.

Emergency Medical Services

UCPD provides emergency medical response for the campus community through the Emergency Medical Services (EMS) unit. The EMS unit is staffed by full-time UCLA students certified as emergency medical technicians (EMTs). Emergency medical services are available 24 hours a day, 365 days of the year. As in all emergencies, call 911 for this service.

Alcohol and Substance Abuse Education

Students with alcohol or substance abuse problems create safety and health risks for themselves and others. Such abuses can result in a wide range of emotional and behavioral problems. Therefore, UCLA makes available to every student a variety of alcohol and substance abuse awareness programs that are designed to discourage the use of illicit substances and to educate students on the merits of legal and responsible alcohol consumption. **Counseling and Psychological Services** (310-825-0768) provides counseling and referral assistance to students who are troubled by alcohol or substance abuse problems. The service is completely confidential and free to regularly enrolled students. All information and counseling is treated in accordance with UCLA and UC policies and state and federal laws. Any decision to seek assistance is not used in connection with any academic determination or as a basis for disciplinary proceedings.

Alcohol and Substance Policies

UCLA is designated as a drug-free environment, and only under certain conditions is alcohol consumption permitted. In keeping with its educational mission, the University assumes the responsibility to better inform the UCLA community about alcohol and substance abuse.

The sale, manufacture, distribution, or possession of designated controlled substances without a prescription is illegal under both state and federal laws. Such laws are strictly enforced by UCPD police officers. Student violators are subject to University disciplinary action, criminal prosecution, fine, and imprisonment. Refer to the UCLA policies on substance abuse for further information.

The sale, consumption, and distribution of alcohol on the UCLA campus is restricted by the UCLA alcohol policy and California state law. Organizations or groups violating alcohol or substance policies or laws may be subject to sanctions by the University.

Residential Housing

UCLA is the size of a small city, and provides residential housing to approximately 34,000 students. Housing facilities range from apartments designed for students with children to multi-student apartment complexes to high-rise student residence halls. UCPD and student housing staff work in partnership to create a safe and comfortable living and learning environment.

Campuswide security and safety programs for residents are held throughout the year to increase awareness of potential crime and improve campus safety. To keep residents immediately informed of major crime or threats to the campus, crime alert bulletins are posted in residential areas by the housing staff. However, residents must take an active role to ensure their own safety by exercising simple commonsense crime prevention techniques. Because the campus is open 24 hours a day, visitation to residence halls and apartments is not restricted. All residence halls have 24-hour access control on entrance doors, and during the evening hours access control monitors are stationed at each entrance. UCPD police officers and CSOs are also assigned to the residence halls.

UCLA-affiliated organizations that maintain off-campus facilities are under the shared jurisdiction of their local police department and the UCLA Police Department, which provides assistance to students, faculty, and staff; and/or referrals to neighboring police departments.

Safety Tips

The nature of the studies and research done at UCLA requires many campus buildings to be open 24 hours a day. Because the campus is so large and adjacent to the greater Los Angeles community, individuals with criminal intent are able to access UCLA grounds.

Regardless of the time of day or night, and no matter where persons are on campus, they should be alert, aware of their surroundings, and exercise common-sense safety precautions. Anyone parking on campus should remember to lock their vehicle and consider investing in a locking device and/or alarm. Use CSO escorts when walking at night. Keep room and apartment doors and windows locked at all times. Most important, anyone needing assistance should not hesitate to contact the department.

Take advantage of the safety services provided by UCLA and UCPD. See the **Campus Safety Tips** web page for more information.

Business and BruinCard

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Banking

Automated teller machines representing several major banks are located in Ackerman Union, and near restaurants and shops around campus.

The **University Credit Union** and **Wescom Credit Union** have branch offices in Ackerman Union.

BruinCard

The UCLA BruinCard is a mandatory campuswide identification card that can electronically confirm student status and eligibility for services. Supportive photo identification—such as a driver's license or state ID, passport, or military ID—is required when the card is issued.

The primary BruinCard benefit is convenience. It is a versa-tile card that serves the following functions: confirmation of student status; ID card for faculty, staff, and students; residence hall access and meal card; laundry, library, and recreation card; debit card (if activated) for purchases at campus stores and restaurants on and off campus; and discounted access to Santa Monica and Culver City bus lines.

Students with an outstanding financial, academic, or administrative hold may not receive BruinCard services until the hold is released by the initiating office. Information on outstanding holds and initiating offices is available on **MyUCLA**.

The BruinCard center is located in 123 Kerckhoff Hall. See **BruinCard** to check account balance, make deposits, view recent transactions, and report lost or stolen cards.

Central Ticket Office

Tickets for UCLA events are available at the **Central Ticket Office** (CTO) in the James West Alumni Center. As part of its service, the CTO offers students with current BruinCards discount tickets to campus athletic and cultural events and local movies. Students may also purchase tickets to off-campus events through Ticketmaster, as well as student discount tickets for Los Angeles-area buses.

Post Offices

Campus mail is handled by UCLA **Mail, Document, and Distribution Services** (MDDS), which offers full-service document processing and delivery for the campus community.

ASUCLA operates a U.S. Postal Service express post office on A Level in Ackerman Union. MDDS operates a U.S. Postal Service contract post office in Wilshire Center off campus.

Housing, Parking, and Child Care

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Housing and Residential Services

UCLA Housing is the best guide for finding the right kind of accommodation for different lifestyles and budgets. It includes detailed information about the different residence options, dining plans, support and extracurricular programs, and an online housing application.

On-Campus Housing

Many students, especially those in their first year, choose to live on campus. Besides the convenience, campus living is a good way to meet other people and to find out about social and academic activities. Four classic residence halls, six deluxe residence halls, two residential suites, and five residential plazas accommodate over 14,000 undergraduate students. All on-campus housing buildings are coed and within walking distance to classrooms. New freshman and transfer students who are admitted for fall quarter and apply on time are guaranteed housing. Graduate student housing is also available.

Rooms in undergraduate residences are furnished and usually shared between two or three students. Meals are served daily at residential restaurants, and students may choose from a variety of meal plans.

Students apply for on-campus housing, by posted deadlines, at the **My Housing** website. Students who apply for winter or spring quarter are assigned housing on a space-available basis in the order their applications are received.

Per-person rates for the academic year vary depending on housing type. See **housing rates** for current rates.

Residential Life is responsible for student conduct in all residential communities. Its professional and student staff members can counsel students on residential problems.

Facilitated by Residential Life, **Living Learning Communities** offers students with similar interests an opportunity to live together and participate in programs according to their academic, social, and personal needs and interests. Students can live in communities as varied as creative collective; first-to-go; gender, sexuality, and society; global health; interfaith; public service and civic engagement; sustainable living; technology and innovation; transfer experience; and various cultures.

Off-Campus Housing

Within walking distance of campus, UCLA maintains 13 undergraduate off-campus apartment buildings for full-time, single transfer, and students beyond their first year. Apartments vary from singles to four-bedroom units, with bedrooms usually shared by two or three students. Not all types of apartment spaces are available to entering students. **Virtual tours** are available.

Married, single-parent, and single graduate students are accommodated in eight **off-campus apartments**; some are located within walking distance of campus, others about five miles from campus and served by a campus shuttle. Apartments include furnished and unfurnished studio and one-, two-, and three-bedroom units. Assignment to several apartments is by wait list; students must be accepted to UCLA to apply.

Many of the fraternities and sororities at UCLA own chapter houses. Complete information and membership requirements are published by **Fraternity and Sorority Life**.

Child Care

UCLA **Early Care and Education** (ECE) operates three accredited child care centers near UCLA and student housing. Care is available for children two months to six years old at most centers. Fees depend on the age of the child. A limited number of state grants and partial scholarship subsidies is available for eligible student families.

University Parents Nursery School is a UCLA-affiliated, parent-participation, multicultural cooperative school for two- through five-year-old children of UCLA students, faculty, and staff. It is located in the University Village Child Care Complex.

Commuting and Parking

Parking permits, transit passes and commuting options, and related services are offered through **UCLA Transportation**.

Commuting Options

Subsidized **public transit pass** programs are available to assist UCLA students with transportation costs, and help them get to and from campus without driving a car. Students can use the UCLA **trip planner** to determine their best transit route to campus. The undergraduate Bruin U-Pass and graduate student Bruin Grad Pass allow fare-free transportation through seven transit agencies that serve UCLA.

Students who do not qualify for these passes can receive a free one-quarter transit pass through the **Bruin commuter transit benefit**.

For long-distance campus commuters, several vanpool companies serve the UCLA area. **Vanpool** vendor, group, and parking information is available.

Parking Permits

Parking at UCLA requires a paperless **Bruin ePermit** that uses the vehicle license plate number. Campus parking space is limited and is not guaranteed.

Students must be registered in, and complete a **student parking application** for, each term that parking is desired. Application deadlines are posted in advance. Parking applications are prioritized by class standing. Residence hall and University apartments residents use an **exemption application** to apply for parking, which are reviewed on a case-by-case basis. Disabled students who hold a valid California DMV disabled parking placard or license plate must submit a special permit request through the ePermit website.

Commuter students who come to campus infrequently may purchase daily discounted parking, subject to availability. Qualified commuter students may also apply for a discounted **carpool permit**.

Student Activities

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The opportunities to participate in extracurricular activities at UCLA are virtually unlimited, and are a good way for students to expand their horizons beyond classroom learning.

Clubs and Organizations

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Joining a club or organization is a great way to meet other students with shared interests and to get involved in campus life.

Community Programs Office

The UCLA **Community Programs Office** (CPO) houses student-initiated community service projects that offer educational, legal, social, medical, and academic services to underserved communities in Southern California; seven student-initiated outreach projects that seek to improve the number of students from local underserved areas who attend colleges and universities; and five student-initiated retention projects that seek to ensure that all students who enter UCLA actually graduate. CPO programs foster a multicultural and ethnically diverse environment at UCLA.

Office of Fraternity and Sorority Life

Fraternities and sororities have been at UCLA since the early 1920s. Today UCLA is home to more than 70 national and local Greek-letter organizations that make up one of the largest Greek systems on the West Coast.

The **Office of Fraternity and Sorority Life** (FSL) interprets UCLA policies, procedures, and regulations, and acts as a liaison between established Greek organizations and UCLA. It coordinates Greek-letter social organizations that participate in programs such as the Greek Leadership Conference, Greeks against Sexual Assault (GASA), Greek Week, new member forums, dating expectations programs, intramural tournaments, and UCLA-sponsored programs.

Office of Residential Life

The **Office of Residential Life** hosts **True Bruin Welcome** and the **Common Experience**, and brings a variety of programs to the Hill to build a sense of community and offer social enrichment.

Student Organizations, Leadership, and Engagement

UCLA has over 1,300 different organizations recognized by **Student Organizations, Leadership, and Engagement** (SOLE)—more than are found on almost any other university campus in the country. Organizations registered with SOLE include political, recreational, community service, cultural, academic, religious, and residential clubs. It only takes three people to start a new club if their interests are not already represented. SOLE also handles complaints of misconduct against officially recognized student organizations.

Performing Arts

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Concerts, dance recitals, and theater productions are all part of exceptional programs offered by the Ethnomusicology; Film, Television, and Digital Media; Music; Theater; and World Arts and Cultures/Dance departments, and by the Center for the Art of Performance at UCLA.

Center for the Art of Performance

Since 1937, the **Center for the Art of Performance** (CAP) at UCLA has been a premier West Coast showcase for world-class performing artists and ensembles as well as innovative new work in dance, music, theater, and performance art. The center presents more than 200 public concerts and events each year, often sponsoring debut performances of new works by major artists. Through the center, the campus hosts a varied and active performance program, ranging from regular concerts by the Los Angeles Chamber Orchestra to events with The Symphonic Body UCLA, Contra-Tiempo, Peter Sellars, Cassandra Wilson, Anoushka Shankar, Afro Latin Jazz Orchestra, Randy Newman, Bojofondo, Buddy Guy, and Young Jean Lee's Theater Company. Subject to availability, discount tickets are offered to students, faculty, and staff.

Department Events

The **Ethnomusicology Department** offers students the opportunity to perform in various world music and jazz ensembles that give concerts listed in the department schedule of events.

The **Film, Television, and Digital Media Department** features student-directed films and television programs throughout the year, and the **Theater Department** presents a series of major productions to the general public. The School of Theater, Film, and Television annual **Design Showcase West** features rising entertainment designers; its week-long **Film Festival** celebrates film, digital media, animation, screenwriting, and acting that spans performance art to the classics.

The **Music Department** features performances by ensembles ranging from music theater to opera. Its Gluck Outreach Program and Music Partnership Program reach out to the community through free performances throughout Los Angeles and Southern California.

The **World Arts and Cultures/Dance Department** presents events and concerts involving department faculty members, guest artists, and students. Student performances include MFA concerts, an undergraduate and graduate student-produced concert, and the Senior Concert/Colloquium. Students also perform in more informal programs, such as the end-of-term student works festival or *Pau Hana*, that feature many world dance forms.

Recreation

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To help students learn new skills, meet people with similar interests, relieve stress, and increase fitness, **UCLA Recreation** oversees programs from intramural sports to outdoor adventures.

Intramural and Club Sports

The UCLA **intramural sports** program consists of team, dual, and individual sports competition in tournament or league play. Over 7,000 participants compete throughout the year in various sports activities ranging from basketball to water polo. UCLA students and recreation membership holders are eligible. Varying skill levels are offered in almost all activities, and the emphasis is on friendly competition.

Club sports offer students the chance to organize, coach, or participate in sports that fall beyond the scope of intramurals but are not offered at the varsity level. Coed teams exist in archery, artistic swimming, badminton, boxing, Brazilian jiu-jitsu, climbing, cycling, dragon boat, equestrian, fencing, figure skating, golf, gymnastics, judo, kendo, powerlifting, quidditch, roller hockey, roundnet, running, sailing, ski and snowboard, squash, swim, table tennis, taekwondo, tennis, track and field, triathlon, water ski, wrestling, and wushu. Separate men's and women's teams exist in basketball, lacrosse, rugby, soccer, ultimate, volleyball, and water polo. There are also men's teams in baseball, cricket, ice hockey, and rowing; and women's teams in beach volleyball, field hockey, and softball.

Outdoor Adventures

Outdoor Adventures offer students the chance to get away and enjoy the wonders of local and distant mountains and waterways. Activities designed for beginning to experienced outdoors people include bike rides, challenge course, camping, rock climbing, scuba diving, windsurfing, canoeing, kayaking, and hiking.

Class Programs

Noncredit **instructional classes** in arts, dance, fitness sports, golf, kayaking, martial arts, outdoor adventures, rock wall, rowing, sailing, standup paddling, surfing, swimming, tennis, water aerobics, windsurfing, yoga, and a variety of group fitness programs are offered for beginning and intermediate levels. Private lessons in arts, dance, martial arts, sports, aquatics, and other activities are also available. Fitness is offered either as a recreation class or on a drop-in basis.

Facilities

For registered students who prefer independent recreation and exercise, UREC offers access to many facilities. The **John R. Wooden Recreation and Sports Center** has multiple gymnasia; basketball, volleyball, and badminton courts; handball/racquetball/squash courts; a weight training facility, rock climbing wall, exercise/dance and martial arts studios; and a games lounge. The **Bruin Fitness Center**, located on the Hill, and **Kinross Recreation Center**, located in Westwood, offer closer-to-home exercise options for undergraduate and graduate students respectively. **Sunset Canyon Recreation Center** offers activities in an outdoor park setting that features a 50-meter swimming pool, 25-yard family pool, picnic/barbecue areas, play fields, outdoor amphitheater, six lighted tennis courts, sand volleyball court, two multipurpose sports courts, and various meeting rooms and lounges, as well as a challenge course. The UCLA **Marina Aquatic Center** offers sailing, windsurfing, kayaking, rowing, surfing, and other activities. Students also have the use of **Drake Stadium**, **Hitch Basketball Courts**, **intramural field**, **Los Angeles Tennis Center**, **Pauley Pavilion**, **Student Activities Center**, **Sycamore Tennis Courts**, and Kaufman Hall for recreational sports and activities.

Sports and Athletics

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UCLA Athletics plays a major role in the UCLA mission to furnish a well-rounded education both in and out of the classroom. UCLA continues to live up to its reputation as a national leader in intercollegiate sports. The first school to win 100 National Collegiate Athletic Association (NCAA) championships, UCLA currently ranks second in the U.S. with 123. In 2021-22, UCLA men's and women's athletic programs placed 15th in the Directors Cup national all-around excellence survey; men placed in the top 10 three times and women seven times over the 11 years of the Capital One Cup. In the 23-year history of the *USA Today* survey, the men's program placed first 11 times; the women's program placed first five times in the final nine years. UCLA was the first university in the country to win five NCAA men's and women's championships in a single year (1981-82). UCLA competes as the Bruins, in colors of blue and gold.

UCLA also has produced a record number of professional athletes such as Kareem Abdul-Jabbar, Troy Aikman, Arthur Ashe, Eric Karros, Reggie Miller, Corey Pavin, Jackie Robinson, and Natalie Williams; and Olympians such as medalists Gail Devers, Ann Meyers Drysdale, Lisa Fernandez, Jackie Joyner-Kersee, Karch Kiraly, Dot Richardson, Peter Vidmar, and Natasha Watley.

Athletic Facilities

The major indoor arena at UCLA is the famed Pauley Pavilion, which seats approximately 13,800 for UCLA basketball, volleyball, and gymnastics events. It was the site of the 1984 Summer Olympics gymnastics competition. The adjacent Drake Stadium is the site of UCLA soccer and track and field competitions, and of many outdoor events including the 1991 U.S. Olympic Festival. The Spieker Aquatics Center is home to the UCLA water polo, swimming, and diving teams. The Los Angeles Tennis Center, a 5,800-seat outdoor tennis stadium and clubhouse, was the site of the 1984 Olympic tennis competition. Easton Softball Stadium, which seats 1,300, is home to the women's softball team. The Morgan Intercollegiate Athletics Center houses the UCLA Athletic Hall of Fame and the actual personal den of Coach John Wooden. Off-campus facilities include Jackie Robinson Stadium for varsity baseball and the renowned Rose Bowl in Pasadena, home of the UCLA football team.

Intercollegiate Sports

UCLA Athletics is a member of the **Big Ten Conference**.

Men's teams have won an overall total of 78 NCAA titles—second highest in the nation—including 21 in volleyball, 16 in tennis, 12 in water polo, 11 in basketball, eight in track and field, four in soccer, two each in golf and gymnastics, and one each in baseball and swimming. Students can participate on the varsity level in baseball, basketball, cross country, football, golf, soccer, tennis, track and field, volleyball, and water polo.

Women's teams have won an overall total of 44 NCAA titles—second highest in the nation—including 12 in softball, eight in water polo, seven in gymnastics, five in track and field, four in volleyball, three in golf, two each in beach volleyball, soccer, and tennis. Students can participate on the varsity level in basketball, beach volleyball, cross country, golf, gymnastics, rowing, soccer, softball, swimming and diving, tennis, track and field, volleyball, and water polo.

UCLA Alumni Association

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Through 90 years of serving the UCLA community, the UCLA **Alumni Association** supports more than 660,000 Bruins, making it one of the largest alumni groups in the nation. Whether a person is a recent graduate, a pioneer Bruin, or somewhere in between, membership in the Alumni Association is the best way to stay connected to UCLA and its growing excellence.

Membership dues enable the Alumni Association to serve as an advocate on campus and to play the vital role of guardian of the value of every UCLA degree. Dues also support student programs such as **Beat SC Rally**, **I Love UCLA Week**, **Locks of Love**, **Dinners for 12 Strangers**, **Spring Sing**, Alumni Day, senior events, class reunions, career events, and a **scholarship program**.

The association offers many benefits and services, including alumni career and travel services. Members make friends, pursue lifelong learning, save money, and make a difference. UCLA graduates, Bruin parents, and friends of UCLA are invited to take advantage of all the association has to offer. Offices are in the James West Alumni Center.

Undergraduate Study

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Undergraduate students at UCLA can earn bachelor degrees in 141 majors in the College of Letters and Science and eight professional schools: Henry Samueli School of Engineering and Applied Science; Herb Alpert School of Music; Jonathan and Karin Fielding School of Public Health; Meyer and Renee Luskin School of Public Affairs; School of the Arts and Architecture; School of Education and Information Studies; School of Nursing; and School of Theater, Film, and Television.

In addition to its record of academic excellence, UCLA offers undergraduate students an extraordinary opportunity to participate in undergraduate research, internships and community service, a variety of undergraduate programs and seminars, and prepares the next generation for leadership roles after graduation.

Shared Governance

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Undergraduate degree programs, courses, and requirements are governed by the Undergraduate Council; College and school faculty executive committees; and committees for general education, Writing II, and diversity requirements.

Undergraduate Council

The **Undergraduate Council** is a standing committee of the UCLA Academic Senate. The council is responsible for the establishment of policy and standards for undergraduate education at UCLA, recommends to the Legislative Assembly programs that lead to new degrees, and delegates authority to College and school faculty executive committees.

Undergraduate Education Division

Led by the dean undergraduate education, the **Division of Undergraduate Education** is a campuswide advocate for undergraduate education. Among its goals are to enrich the quality of the academic experience of undergraduate students, help students find meaningful pathways to timely degree completion, and prepare students for life after college. The division oversees the general education curriculum and offers programs including *Fiat Lux* seminars, cluster courses, and New Student Academic Programs; as well as the Academic Advancement Program, Center for Academic Advising in the College, Center for Community Engagement, Center for Undergraduate Research, and College Honors programs.

Undergraduate Admission

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Undergraduate Admission

1147 Murphy Hall

310-825-3101

Prospective undergraduate students should give careful thought to adequate preparation in reading, writing, mathematics, laboratory sciences, languages, visual and performing arts, and other subject areas related to a degree objective or major. To be competitive, UCLA applicants need to present an academic profile much stronger than that represented by the minimum UC admission requirements.

Undergraduate Admission invites prospective students to visit UCLA for **individual or group tours** of the campus. Reservations are required.

Second Bachelor's Degree

By policy, UCLA does not admit students into any undergraduate program if they already hold a bachelor's degree.

Application for Admission

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Prospective students apply for admission to UCLA for the fall quarter by completing the **UC Application for Admission and Scholarships**.

One application is used for all nine UC campuses with undergraduate programs. Students apply to one UC campus with a nonrefundable application fee; an additional fee is charged for each additional campus. Students may only apply to one College or school at UCLA.

When to Apply

All majors and programs in the College of Letters and Science; Henry Samueli School of Engineering and Applied Science; Herb Alpert School of Music; Jonathan and Karin Fielding School of Public Health; Meyer and Renee Luskin School of Public Affairs; School of the Arts and Architecture; School of Education and Information Studies; School of Nursing; and School of Theater, Film, and Television are open for fall quarter. The application filing period is October 1 through November 30 of the prior year. See **how to apply** for up-to-date information on application procedures.

Admission Notification

The UC Application Center sends e-mail notices to acknowledge receipt of applications. Subsequently, UCLA Undergraduate Admission notifies students of the admission decision. Fall-quarter freshman applicants are notified in late March; transfer applicants are notified in late April.

Students who are offered admission are asked to submit a Statement of Intent to Register and a Statement of Legal Residence. A nonrefundable deposit, also required at this time, is applied to the student services fee as long as students register in the term to which they are admitted.

Entrance Requirements

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Entrance requirements established by the University of California follow the guidelines set forth in the California Master Plan for Higher Education, which requires that the top 12.5 percent of the state's high school graduates be eligible for admission to the University of California. Requirements are designed to ensure that all eligible students are adequately prepared for university-level work.

Fulfilling the minimum admission requirements does not assure admission to UCLA. Admission is based on demonstrated high scholarship in preparatory work going well beyond the minimum eligibility requirements. Honors-level high school, and Advanced Placement, International Baccalaureate, and transferable college courses are good preparation regardless of the desired major. UCLA offers admission to those students with the best overall academic preparation, viewed in the context of applicants' academic and personal circumstances, extracurricular and volunteer experiences, and the overall strength of the UCLA applicant pool. For details, see **undergraduate admission**.

Admission as a Freshman

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Students are considered freshman applicants if they have not enrolled in a regular session of any college-level institution since graduation from high school. Students who attend summer session immediately following high school graduation are still considered freshman applicants.

Minimum Admission Requirements

To be considered for admission as a freshman, students must meet the subject and grade-point average (GPA) requirements.

Subject Requirement

The subject requirement, sometimes called A to G requirements, is a sequence of high school academic courses required for admission to the University of California. Each course must be completed with a grade of C or better. The requirement consists of 15 year-long courses, with 11 completed prior to the beginning of 12th grade. These are the minimum requirements; students should exceed these requirements whenever possible.

A. History/Social Science. Two years of history/social science, including one year of world history, cultures, and historical geography; and one year of U.S. history, or one-half year of U.S. history and one-half year of civics or American government

B. English. Four years of college-preparatory English that include frequent writing, from brainstorming to final paper, as well as reading of classic and modern literature. No more than one year of ESL-type courses may be used to meet this requirement

C. Mathematics. Three years of college-preparatory mathematics, including or integrating the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Mathematics

courses completed in the seventh and/or eighth grades and approved integrated mathematics courses may be used to meet part or all of this requirement

D. Laboratory Science. Two years of college-preparatory science, including or integrating topics that provide fundamental knowledge in two of these three subjects: biology, chemistry, or physics. One year of approved interdisciplinary or earth and space sciences course may be used to meet one year of this requirement

E. Language Other than English. Two years of the same language—or coursework equivalent to the second level of high school instruction—including emphasis on speaking and understanding, development of awareness and understanding of the cultural context around the target language, practice with reading and composition, and instruction on grammar and vocabulary. Language courses taken in seventh and/or eighth grade may be used to meet part or all of this requirement. American Sign Language and classical languages such as Greek and Latin are acceptable

F. Visual and Performing Arts. One year-long visual and performing arts course selected from dance, drama/theater, music, visual art, or interdisciplinary arts

G. College Preparatory Electives. One year (two semesters), in addition to those required in A through F, or one year (two semesters) approved in the elective category

Subject Requirement Summary	
A. History/Social Science	2 years
B. English	4 years
C. Mathematics	3 years
D. Laboratory Science	2 years
E. Language Other than English	2 years
F. Visual and Performing Arts	1 year
G. College Preparatory Electives	1 year

Grade-Point Average Requirement

California residents are eligible for admission to the University of California with a 3.0 grade-point average; nonresidents are eligible with a 3.4 GPA. Minimum eligibility does not guarantee admission to UCLA.

Standardized Testing

Scores submitted as part of an application may be used to determine eligibility for the California statewide admissions guarantee, as an alternative method of fulfilling minimum requirements for eligibility, or for course placement once admitted.

More information regarding the University of California testing policy may be found on the **UC admission** website.

Admission Selection

UCLA selects students using a carefully designed holistic evaluation process that takes into account an applicant's achievements, both academic and nonacademic, in the context of the opportunities available. Among other factors, holistic evaluation specifically considers academic grade-point average; the quality, quantity, and level of coursework taken; sustained participation in activities that develop academic and intellectual abilities; leadership and initiative; employment and personal responsibilities; and overcoming life challenges related to personal or family situations.

Because admission requirements and selection criteria may change, freshman applicants should see **freshman admission process** for the most complete and up-to-date information.

Admission as a Transfer Student

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Students are considered transfer applicants if they have enrolled in a regular fall, winter, or spring session at another college or university or in college-level extension courses after completion of high school. (This does not include attending a summer session immediately following high school graduation.) Students may not disregard their college record and apply for admission as a freshman.

In accordance with the California Master Plan for Higher Education, first preference is given to California community college applicants. Each application receives a comprehensive evaluation, integrating all available information. Students attaining senior standing are generally not admitted.

Academic criteria are as follows: junior-level standing (60 semester/90 quarter transferable units completed) by the end of the spring term before transfer, grade-point average in transferable courses, significant preparation for the major, completion of the English composition and mathematics requirements, and progress toward completion of the Intersegmental General Education Transfer Curriculum (IGETC), another UC campus general education requirements, or UCLA general education requirements.

Because admission requirements and selection criteria may change, transfer applicants should see **transfer admission** for the most complete and up-to-date information.

Intercampus Transfers

Undergraduate students registered in a regular session at any UC campus (or those previously registered who have not since registered at any other school) may apply for transfer to another campus. Submit the UC Application for Transfer Admission and Scholarships with the required application fees. The filing periods and admission requirements are the same as those for new applicants. Students who have attended another UC campus and wish to be considered for admission to UCLA must have been in good standing when they left their previous UC campus. Intercampus transfers are not automatic; students must compete with all other applicants and must meet UCLA transfer admission requirements.

Transfer Credit and Credit by Examination

UCLA awards unit credit to transfer students for certain courses completed at other regionally accredited colleges and universities. To be accepted for credit, the courses must be comparable to those offered by the University of California, as determined by Undergraduate Admission. All courses that meet the criteria are used in determining eligibility for admission.

To convert semester units into quarter units, multiply the semester units by 1.5. For example, 12 semester units × 1.5 = 18 quarter units.

College credit for examinations given by national testing services is generally not allowed, except for the AP Examinations given by the College Board and the International Baccalaureate higher-level examinations. See **transfer credit** for more information.

International Applicants

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To be considered for admission to the University of California, international students must have completed secondary school with a superior average in academic subjects and have earned a certificate of completion that would enable them to be admitted to a university in the home country.

The application for admission, copies of official certificates, and detailed records of all secondary schools attended should be submitted as early as possible after the filing period opens. This allows time for the necessary correspondence and, if students are admitted, to obtain passport visas.

English Language Proficiency

Students whose native language is not English must have sufficient command of English to benefit from instruction at UCLA. First-year undergraduate students who have not otherwise satisfied the Entry-Level Writing requirement and who have not taken the **Analytical Writing Placement Examination** (AWPE) by the time they enter UCLA must take the AWPE in their first term at UCLA. Results of the AWPE are reviewed to determine which credit-bearing English composition courses the student may need to complete in order to satisfy the Entry-Level Writing requirement.

Registration

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Registrar's Office

1113 Murphy Hall

Registration consists of paying fees and enrolling in classes. Students enroll in UCLA, and in the College or one of the professional schools.

1. Registration fees and other UCLA charges are due the 20th of each month. BruinBill accounts can be viewed through **MyUCLA**.
2. Enrollment in classes is completed through **MyUCLA**.

Students must complete both processes by the established deadlines to be officially registered for the term.

Fees and Payment

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Details on fee payment, enrollment procedures, and deadlines are on the **Registrar's website**.

Electronic Billing

BruinBill accounts are administered electronically (e-bill) through **MyUCLA**. Financial activity is displayed for the current term, as well as account activity for the last 24 months. Students can pay their BruinBill account electronically using an electronic check with no fee; or with American Express, Discover, MasterCard, and VISA credit cards with a fee.

Annual Undergraduate Fees

Although the exact cost of attending UCLA varies, there are some fees that all UCLA students must pay. UCLA does not charge on a per-unit basis for undergraduate students in regular academic terms.

Each entering and readmitted student is required to submit a Statement of Legal Residence. Students classified as nonresidents of California must pay nonresident supplemental tuition in addition to registration fees. Legal residents of California are not required to pay nonresident supplemental tuition. For a definition of residence and nonresidence, see **Residence for Tuition Purposes**.

Student Services Fee

The Student Services Fee covers student expenses such as counseling, facilities, registration, graduation, and health services. The fee is charged whether or not students make use of these services.

Course Materials and Services Fees

The College of Letters and Science and each school are authorized to assess course materials and services fees. Some of these fees are assessed based on actual enrollment at the end of the fourth week of classes. Students are responsible for ensuring that all study list errors and omissions are corrected prior to the end of the second week. All students in a course with an approved course materials and services fee are assessed the fee, regardless of major. The fee is nonrefundable. Students who are approved to add a course after the third week of instruction are required to pay the course materials and services fee for the entire term.

Fee amounts are available on the Registrar's **course fees** web page.

Instructional Enhancement Initiative Fee

The **instructional enhancement initiative** (IEI) fee supports technology in undergraduate education. The fee helps support course websites and online tools, computer laboratories, and software.

Miscellaneous Fees

Miscellaneous fees include charges for late registration fees payment. Late fees also apply if students file their study list late or do not pay BruinBill balances on time. Fees are charged if any check is returned by a bank for any reason. Charges are assessed for most petitions and other special requests. Study list, document and service, transcript-related, and degree and diploma fees are published on the **Registrar's website**.

Student Health Insurance Fee

All undergraduate students are automatically assessed for and enrolled in the University of California **Student Health Insurance Plan** (UCSHIP) as a condition of registration at UCLA. Continued enrollment in a qualified health insurance plan is mandatory during all registered terms. UCSHIP covers medical, vision, dental, and behavioral health services.

The UCSHIP fee is billed each term along with other UCLA fees. UCSHIP fulfills all requirements mandated for a qualified health insurance plan as defined by the University of California. The **Ashe Student Health and Wellness Center** is the primary health-care provider for UCSHIP, and where all nonemergency medical care is initiated.

Nonregistered students (those who withdraw, or are on approved leave or planned academic leave) may have access to UCSHIP services under certain conditions. Contact the Ashe Center to learn more.

UCSHIP Waiver

Students may waive UCSHIP if they maintain active enrollment in a qualified health insurance plan that meets all established requirements, apply for a waiver within established deadlines each term, and correctly complete the online **waiver form**. Students are responsible for providing complete and accurate information. Third-party individuals may not waive UCSHIP for a student. Waivers must be submitted before the term fees payment deadline. Deadlines are strictly enforced, and no refunds are issued after the deadline. For more information, see the **Ashe insurance** web page.

Fees Notice

All fees are subject to change without notice by the Regents. Current academic year fees and updated information is available on the Registrar's **fees** web page.

Refunds, Reductions, and Waivers

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Fee Refunds

Students who formally withdraw from UCLA may receive partial refunds of fees. For more information, see **withdrawal** in Policies and Regulations. Consult the Registrar's **refunds** web page for policy details and specific refund deadlines for each term.

Fee Waiver Requests

Late registration, processing, and penalty fees are waivable on request in writing to the office assessing the fees only if they were incurred through the fault of UCLA, or because a student suffered sudden and debilitating injury or accident.

Reduced Fee Programs

UCLA recognizes the need for part-time study in special circumstances. Undergraduate resident students —when properly approved by the dean of their College/school for enrollment in 10 or fewer units—may be eligible for a one-half reduction in tuition. The reduction is based on total units enrolled as of Friday of the third week of classes. Students should contact their College or school for eligibility requirements. Students must file a **fee reduction request** with the academic dean's office by Friday of the second week.

Except for these qualified and approved part-time students, there is no reduction in tuition, or in student services; Ackerman Student Union; Wooden Center; student programs, activities, and resources complex (SPARC); Undergraduate Students Association fees; or other campus-based fees.

Undergraduate nonresident students pay only half the nonresident supplemental tuition fee.

Full-time UC employees may apply for a reduction of tuition and the student services fee at their campus human resources office. Students who use the part-time fee reduction may not also use the UC employee reduction.

Class Enrollment

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New students should see an academic counselor before enrolling in classes (counseling is required in the Henry Samueli School of Engineering and Applied Science). Counselors help new students select courses and formulate a schedule tailored to their academic interests or degree objectives.

New student orientation takes new students through a step-by-step process designed to ensure that they enroll in an effective program.

Enrollment

Students enroll in classes through MyUCLA during assigned times—called enrollment appointments—when they are allowed to enroll. The Class Planner feature allows students to create class plans prior to enrollment, share plans with counselors, and quickly add classes during their enrollment appointment. Students use the Find a Class and Enroll feature to search the **Schedule of Classes** and add available classes to their class plan or study list.

MyUCLA is also used to view enrollment appointments; drop classes; change grade type and number of units; exchange classes; and view the study list, which includes information on class meeting times, final examinations, classmates, grades, textbooks, and class websites. For more information, see Registrar's **study list** and **enrollment policies** web pages.

For classes that require written approval or specialized processing, students may inquire about processing steps through MyUCLA **Message Center**.

Study List

A study list is the record of courses in which a student is enrolled for the term. At 11:59 p.m. on Friday of the second week of instruction the study list of enrolled courses becomes official, and all wait lists are

eliminated. Students should verify their study list through MyUCLA after each enrollment transaction. Students are responsible for all courses and the grading basis as listed on MyUCLA, and cannot receive credit for courses not listed.

After Friday of the second week, most changes to the official study list can be made through MyUCLA. In some cases, a fee may apply. Some changes require an Enrollment Petition along with approval signatures.

See the Registrar's **study list** web page for deadlines and complete instructions.

Errors or omissions should be corrected before the College or school deadlines for changes by petition. Unapproved withdrawal from or neglect of a course entered on the study list results in a failing grade.

Wait List

Some departments establish wait lists for classes that are full. If a student in the class drops, the seat is filled by a student on the wait list. Students can check enrollment status through **MyUCLA**. Position on a wait list does not indicate enrollment. Students on a wait list should not assume they will be added to a class.

Wait lists are maintained through Friday of the second week of instruction unless a department deletes them earlier.

Concurrent Enrollment

Concurrent enrollment—defined as taking courses during regular sessions for credit at UCLA and, at the same time, at a non-UC institution, including UCLA Extension—is not permitted except in extraordinary circumstances; and no credit is given for such courses unless the approval of the UCLA College or school has been obtained by petition prior to enrollment.

Immunization Requirements

UCLA requires that all incoming students be vaccinated against or show immunity to multiple infectious diseases consistent with guidelines of the American College Health Association, California Department of Public Health, and U.S. Centers for Disease Control and Prevention (CDC). These requirements help protect the health of students and the entire campus community. Students submit their immunization history to the Ashe secure **patient portal**. See **immunization requirements** for more information.

Enrollment Programs

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Intersegmental Cross-Enrollment Program

Undergraduate students enrolled in any campus of the California community colleges, the California State University, or the University of California may enroll without formal admission in a maximum of one course per academic term at a campus of either of the other systems at the discretion of the appropriate campus authorities on both campuses on a space-available basis per the California Education Code sections 66755 and 66756 (amended by California Senate Bill 361 passed in 1999). Enrollment in pre-college courses is excluded.

UCLA students qualify for intersegmental cross-enrollment if they meet all the following requirements:

1. Complete at least one term at UCLA as a matriculated student
2. Enroll for a minimum of 6 units for the current term
3. Earn a grade-point average of 2.0 (C) for work completed
4. Pay appropriate tuition and fees at UCLA for the current term
5. Complete appropriate academic preparation as determined by the host campus
6. Have California resident status

Obtain a concurrent enrollment application from the College or school. An administration fee is charged for each academic term such enrollment is requested.

Intercampus Visitor Program

Undergraduate students enrolled at one campus of the University of California may have the opportunity to attend another UC campus for one quarter or semester on the **Intercampus Visitor Program**.

Students should observe the application deadlines. Applications are reviewed by a student's College or school.

School of the Arts and Architecture

Office of Student Services, 2200 Broad Art Center

School of Education and Information Studies

Office of Student Services, 1002 Moore Hall

Henry Samueli School of Engineering and Applied Science

Office of Academic and Student Affairs, 6246 Boelter Hall

College of Letters and Science

Center for Academic Advising in the College, A316 Murphy Hall

Herb Alpert School of Music

Office of Student Affairs, 1642 Schoenberg Music Building

School of Nursing

Student Affairs Office, 2-147 Factor Building

Meyer and Renee Luskin School of Public Affairs

Student Services Office, 3250 Public Affairs Building

Jonathan and Karin Fielding School of Public Health

Undergraduate Studies, 16-059 Center for Health Sciences

School of Theater, Film, and Television

Student Services Office, 103 East Melnitz Building

Simultaneous UC Enrollment

Undergraduate students may enroll simultaneously in courses offered by another UC campus. Eligible students must be registered (fees paid), in good standing, and enrolled in at least 12 units at UCLA. Students may simultaneously enroll in no more than one UC host-campus course not to exceed 6 units. Before attending the host campus, both campuses must give approval. Approval to enroll simultaneously on another UC campus does not guarantee credit toward specific degree or general education requirements. Application of host-campus courses to UCLA graduation requirements is determined by the College or school. Details are on the application form. Obtain applications and directions for submitting forms from the following offices:

School of the Arts and Architecture

Office of Student Services, 2200 Broad Art Center

School of Education and Information Studies

Office of Student Services, 1002 Moore Hall

Henry Samueli School of Engineering and Applied Science

Office of Academic and Student Affairs, 6246 Boelter Hall

College of Letters and Science

Academic Advancement Program, 1209 Campbell Hall

College Academic Counseling, A316 Murphy Hall

College Honors Programs, A311 Murphy Hall

Student Athletics, Morgan Center

Herb Alpert School of Music

Office of Student Affairs, 1642 Schoenberg Music Building

School of Nursing

Student Affairs Office, 2-147 Factor Building

Meyer and Renee Luskin School of Public Affairs

Student Services Office, 3250 Public Affairs Building

Jonathan and Karin Fielding School of Public Health

Undergraduate Studies, 16-059 Center for Health Sciences

School of Theater, Film, and Television

Student Services Office, 103 East Melnitz Building

The application is also available on the Registrar's **simultaneous enrollment** web page.

Financial Support

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Financial Aid and Scholarships

A129J Murphy Hall

310-206-0400

The priority financial aid application (**FAFSA** or **CADAA**) deadline for the regular academic year is March 2nd. However, for the current academic year, UCLA is honoring May 2nd as the priority application deadline due to delays caused by the new FAFSA changes. Applications received after the deadline are considered late, and limited aid is offered.

The ***Financial Aid Handbook*** is available on the Financial Aid and Scholarships **forms and publications** web page.

Application for Financial Aid

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Students do not need to come from low-income families to qualify for financial aid. However, those who apply for need-based aid—including grants, loans, work study, and some scholarships—must demonstrate financial need, which is defined as the difference between the cost of attending UCLA and the amount that they and their families are able to contribute.

Financial aid is not available for international students.

Students attending UCLA summer sessions, summer travel programs, summer institutes, or UC cross-campus summer programs and in need of financial aid must submit a summer financial aid application in addition to the Free Application for Federal Student Aid (FAFSA) or California Dream Act Application (CADAA). Summer applications are available on **MyUCLA** (in the Finances and Jobs section).

To qualify for aid, students must also comply with Financial Aid's **standards for satisfactory academic progress**.

Free Application for Federal Student Aid (FAFSA)

To evaluate financial need, all U.S. citizen and permanent resident students who apply for aid must provide financial information on the Free Application for Federal Student Aid (**FAFSA**). If students are financially independent according to the federal financial aid guidelines, their own financial circumstances are analyzed individually rather than inclding their parents financial information as well. UCLA expects that students and their families bear as much of the cost of a student's education as their circumstances permit.

The information reported on the FAFSA is used to be considered for all federally funded programs, funds administered by UCLA, and the Cal Grant program administered by the California Student Aid Commission. Loans that are not need based are also available to all students who complete the FAFSA. Students should complete the FAFSA online by March 2nd (due to delays by the Department of

Education, the priority application deadline for the current year is May 2nd). To ensure that UCLA receives FAFSA information, students should enter the UCLA federal school code (001315) in the appropriate search field.

California Dream Act Application (CADAA)

Students who are not U.S. citizens or permanent residents but who are eligible for Assembly Bill 540 nonresident fee waivers may be eligible to qualify for scholarships, UCLA grant aid, and additional state aid if they complete a **California Dream Act application**. The priority filing deadline for the Dream application is March 2nd (due to delays by the Department of Education, the priority application deadline for the current year is May 2nd).

Prospective Student Scholarships

In addition to using the FAFSA and Dream Act application to apply for aid, prospective students who apply to UCLA with the UC Application for Admission and Scholarships may use the admission application to apply for undergraduate scholarships. Once admitted, students may fill out the Financial Aid and Scholarships **undergraduate scholarship application** to broaden their scholarship opportunities.

Continuing Student Scholarships

Continuing students can access and submit the annual Financial Aid and Scholarships **undergraduate scholarship application**. Students are able to submit the application year round, although early submission is advisable. Resources to help with a thorough search for **outside scholarships** are available from the Center for Scholarships and Scholar Enrichment.

Types of Financial Aid

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The four basic types of aid are scholarships, grants, loans, and work-study employment. The Financial Aid and Scholarships office offers a combination of different award types to most applicants.

Aid can be merit based—awarded on the basis of standards such as academic achievement; or need based—awarded on the basis of financial need as determined by a student's financial aid application. Scholarships managed by the Financial Aid and Scholarships office are based on merit and need. Grants, loans, and work study are generally need based.

Scholarships

The undergraduate scholarship program at UCLA rewards academic excellence and assists with the expenses of an undergraduate education.

Scholarship awards range from $100 to $10,000 per year, and require the student to submit a scholarship application on an annual basis. While many scholarships are awarded on the basis of financial need, not all UCLA scholarship opportunities require it.

Entering students apply for scholarships on the UC Application for Admission and Scholarships. Once admitted to UCLA, new students have the opportunity to add additional information to their scholarship profile, to allow various departments across campus to consider them for other scholarship opportunities that may open throughout the academic year. Continuing students are encouraged to submit the scholarship application as early as May 1st each year. However, applications are accepted year-round.

In addition to applying for UCLA scholarships, students are encouraged to apply for **outside scholarship** funding through search engines.

Regents Scholarships

One of the highest honors conferred on an undergraduate student is the Regents Scholarship, which is awarded for four years to students entering from high school and for two years to entering transfer students. A UCLA faculty committee selects Regents Scholars on the basis of exceptional academic achievement and promise. Scholars receive a yearly honorarium if they have no financial need. Scholars who establish financial need by filing the FAFSA or California Dream Act application receive a combination of grants and scholarships to cover the amount of their need.

Alumni Scholarships

Since 1936, UCLA Alumni has supported Bruins through merit-based scholarships. The Alumni Scholarships Program is open to all eligible students.

Alumni scholarships are awarded through an application screened by alumni volunteers; final selection is made by Financial Aid and Scholarships. By completing one application, students are considered for several scholarships offered through the alumni program. Alumni scholars' benefits include getting involved in campus events and organizations, building leadership skills, access to leadership development programs and academic enrichment services, and networking with UCLA alumni.

Prospective first-year and transfer students apply through the UCLA prospective **undergraduate scholarship application**. Applications open in early October each year and close a few weeks before admission decisions are released. Initial award offers are distributed within one to two weeks of admission decisions. Applicants who do not receive an offer before the Statement of Intent to Register deadline may still receive one during the summer.

Merit-Based Alumni Scholarships for Prospective Students

Financial awards for prospective first-year students range from $6,000 to $20,000 over four years; for prospective transfer students, $10,000 over two years. Applicants must attend UCLA beginning the fall quarter immediately after the application cycle. To maintain eligibility, students must submit a compliance agreement, complete 30 annual hours of renewal service, and attend one or more alumni event.

Need-Based Alumni Grants for Incoming and Continuing Students

Awarded alumni scholars may receive up to $5,000 each year in need-based aid, in addition to their merit award, by submitting information on the Free Application for Federal Student Aid (**FAFSA**) or **California Dream Act application**, and receiving a need-based financial aid package.

Incoming scholars receive this aid automatically, based on their FAFSA or Dream Act application. Continuing scholars apply for a Wasserman alumni grant using the continuing student **undergraduate scholarship application**. Continuing scholars must also meet several enrollment and grade criteria.

Merit-Based Scholarships for Seniors

The True Bruin Distinguished Senior Award (TBDSA) is awarded to deserving students who exemplify the True Bruin values of integrity, excellence, accountability, respect, and service. Recipients receive a one-time scholarship of up to $5,000. The scholarship is open to any UCLA senior—not just current alumni scholars—who meets eligibility requirements. Seniors apply for the TBDSA using the fall **undergraduate scholarship application**.

For more information, see **Alumni Association scholarships**.

ROTC Scholarships

ROTC scholarships are awarded on a competitive basis to U.S. citizens regardless of parents' income. Scholarships supply tuition, a book allowance, fees, and a tax-free monetary allowance during the academic year. Scholarship applications and information are available online for the **Air Force/Space Force**, **Army**, and **Navy/Marine Corps**. Completed four-year scholarship applications should be submitted by December 31 (Air Force/Space Force and Navy/Marine Corps) or March 1 (Army) of the year preceding college matriculation. Two- (Army and Navy/Marine Corps) and three-year scholarship applications are also available, and are considered when received.

Grants

Grants are need-based awards that do not need to be repaid as long as the student maintains eligibility. Depending on funding availability and awarding policy, a financial aid package may include some of the grants listed here.

Federal Pell Grants

Federal Pell Grants are based on exceptional financial need. They are awarded to undergraduate students who are U.S. citizens or eligible noncitizens and who have not earned a bachelor's degree. Students who file the FAFSA are automatically considered for a Federal Pell Grant. Eligibility is determined by the federal government. Award amounts depend on the Student Aid Index (SAI) and unit enrollment. Awards are reduced for students enrolled less than full time (12 units or more).

Cal Grants A and B

California residents who attend at least half-time are eligible to apply for a California Student Aid Commission Cal Grant award. The FAFSA or California Dream Act Application and GPA Verification Form are the official applications for these programs. Cal Grant A awards assist low- and middle-income students with tuition and fee costs. Eligibility is based on financial need and grade-point average. Cal Grant B awards are intended to assist low-income and disadvantaged students with living expenses, books, supplies, and transportation costs. First-year awards may also cover registration fee costs. Renewal award recipients receive registration fee assistance. New awards are limited to students who have completed no more than one full-time semester or two full-time quarters or 16 semester units of part-

time study or the equivalent. Students awarded Cal Grant B receive only the stipend portion in their first year. Amounts are subject to change based on the California budget process. If tuition and school services fees increase, Cal Grant fee-paying awards will increase correspondingly. Awards are reduced for students enrolled less than full time (12 units or more).

University Grants

University grants offer financial assistance from state funds to eligible applicants who meet the FAFSA or Dream Act application priority deadline. Awards range from $100 to over $25,000 and are based on student need. All undergraduate students who are U.S. citizens, eligible noncitizens, or noncitizens eligible for AB 540 waivers and who apply on time are considered. University grant eligibility is subject to availability of funding. Grants may be exhausted before the end of the academic year. Awards are reduced for students enrolled less than full time (12 units or more).

University Grants to Purchase UCSHIP

These grants are based on need, and are awarded to on-time FAFSA and California Dream Act applicants to cover the cost of the University of California Student Health Insurance Plan (UCSHIP). Students who waive UCSHIP are not eligible for these grants.

Federal Supplemental Educational Opportunity Grants

Federal Supplemental Educational Opportunity Grants (FSEOG) are awarded to undergraduate students with financial need. Awards range from $100 to $4,000. Recipients must be U.S. citizens or eligible noncitizens. Preference is given to Pell Grant and Cal Grant recipients. Only on-time, grant-eligible FAFSA applicants are considered.

Loans

There are various long-term and low-interest loan options provided to a student based on their family's income and whether they are a considered a dependent or independent student for financial aid purposes.

UCLA makes every effort to assist students during the repayment of their obligation; but UCLA services, including registration and the release of official transcripts, are withheld if the loan becomes delinquent. Delinquent accounts are referred to a professional collection agency for action.

All first-time borrowers must complete a debt management session at **student loans** before funds are released. Parent and graduate PLUS borrowers whose loans are approved on appeal or with an endorser are also required to complete a mandatory counseling session at **federal student aid** in addition to the debt management session.

All loan recipients must complete an exit interview with the **Financial Education, Loan and Support Services** office, 106 Strathmore Building, before leaving UCLA for any reason. This interview helps students understand their loan agreement and their rights and responsibilities. If students fail to participate in an exit interview, UCLA places a hold on their academic records and registration materials. Exit information is mailed to students by the Loan Services Office after receipt of notification of separation from UCLA.

William D. Ford Federal Direct Loan Program

Direct Loans

Direct loans are low-interest subsidized and unsubsidized loans financed by the U.S. Department of Education.

Subsidized direct loans are awarded to undergraduate students who have demonstrated financial need. Interest rates are fixed, and adjusted annually by the U.S. Department of Education; contact Financial Aid and Scholarships for additional information. Interest accrues immediately after students graduate or drop below half-time enrollment. Repayment begins six months after students leave school or drop below half-time enrollment.

Unsubsidized direct loans are available to undergraduate, graduate, and professional students who are U.S. citizens or eligible noncitizens regardless of income. Interest accrues from the date of disbursement, but students can avoid the extra costs of accrual by making regular interest payments while in school.

Direct PLUS Loans

Direct PLUS loans are designed to help graduate students, and parents of undergraduate students, meet the total cost of education. Graduate students and parents may be eligible to borrow up to the cost of education for the academic year, less any other financial aid received. This loan is available only to borrowers who do not have adverse credit histories. The interest rate is fixed and adjusted annually by the U.S. Department of Education. Contact Financial Aid and Scholarships for information on current interest rates. Borrowers may want to consult a tax adviser to see if the interest is tax deductible.

Private Loans

Private loans are available to students who have received the maximum award amounts under the Direct Loan Program and require additional funding. These loans are sponsored by banks and private lending institutions. Interest rates and repayment schedules vary. These loans must be certified by the Financial Aid and Scholarships office before funds can be disbursed. A list of private lenders that UCLA borrowers have used in the past is available at **Financial Aid publications**.

Short-Term Loans

Students do not need to be financial aid recipients to apply for a **short-term loan**. They may borrow up to $200 for immediate emergency needs; the amount is repayable on the 20th of the month following the month in which the loan was made. To qualify, applicants must be registered UCLA students with satisfactory loan repayment records. Applications are available from the Financial Education, Loan and Support Services office, 106 Strathmore Building.

Work-Study Program

The **Federal Work-Study Program** (FWS) is intended to stimulate and promote part-time student employment, particularly for students from low-income families who are in need of additional financial support to pursue their studies.

Under FWS, the federal government pays a portion of the student's wage and the employer pays the remaining amount of the wage. Through this program, students may work up to 20 hours per week for UCLA, government agencies, or public and private nonprofit agencies. Students employed through FWS supply essential services to UCLA and the local community. Students also have the opportunity to hold jobs that may relate to their educational objectives or enable them to gain valuable work experience.

Majors and Degrees

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Students may choose from 141 majors in a wide variety of disciplines offered through the undergraduate degree programs of the College of Letters and Science; Henry Samueli School of Engineering and Applied Science; Herb Alpert School of Music; Jonathan and Karin Fielding School of Public Health; Meyer and Renee Luskin School of Public Affairs; School of the Arts and Architecture; School of Education and Information Studies; School of Nursing; and School of Theater, Film, and Television. See a complete list of **major** programs and degrees.

Learning Outcomes

Learning outcomes describe what students should know, be able to do, and value by the end of their undergraduate educational program. There are four types of outcomes: attitude/value, behavior, knowledge, and skill. They define degree-program goals through focus on student experience and achievement, and allow faculty to evaluate whether students have mastered those goals. Each degree program establishes its own learning outcomes, develops methods for assessment, and uses the results to enhance and improve student learning. Outcomes also help inform prospective and current students about a program's purpose and value. See **learning outcomes** for more information.

Planning, Declaring, and Changing a Major

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Planning a Major

New students should obtain academic counseling before enrolling in classes at UCLA. Counselors can help new students formulate degree objectives based on interests, abilities, and career goals. As students begin to decide on a major, counselors can help them start fulfilling College or school requirements as well as the department requirements necessary for completion of the degree program.

Declaring a Major

Regulations and procedures for declaring a major vary for the College and each school. Students in the College of Letters and Science do not need to declare a major in their first year, and can attend with an undeclared major until the end of their sophomore year. Certain schools require students to choose a major when applying for admission, or require early declaration. Check specific policies for declaration with the school or department adviser.

All students must declare a major by the beginning of their junior year (90 quarter units). To declare a major, obtain a petition to declare a major at the College or school office. There is no fee for the petition.

Changing Majors

Changing majors requires the approval of the department of the new major. Changing majors involving a change in College or school requires the approval of the College or school. To change majors, obtain a

program change petition online or at the department office.

Capstone Majors and Programs

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Capstones are designed to be the culmination of a UCLA undergraduate experience. Capstones range from yearlong sequences of courses or tutorials to a single seminar, and from honors theses to comprehensive seminar projects or internships. They may be based in tutorials, laboratories, advanced courses, or seminars, and may include either individual or team-based projects. Requirements vary among the college and schools. Capstone majors and programs are identified throughout **each department**. See **capstone initiatives** for more information.

Capstone Options

Four types of capstone options represent different expectations for student engagement and independence. Some students might complete capstones of more than one type. For example, having completed an advanced seminar, a student might decide to engage in independent study or an honors project.

Honors Thesis or Project

In a multi-term program, students conduct independent research, laboratory, writing, or other work guided or mentored by faculty. The program culminates in a formal thesis or project that can be granted department honors.

Individual Major

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose their own major. Proposals are designed with faculty guidance and sponsorship, and thoroughly examined for cogency, completeness, and academic merit.

Individual Project

Students may propose an individual project or paper as the culmination of an upper-division contract course they create with their instructors.

Senior Seminar or Advanced Project

Students may enroll in an advanced senior seminar or project course that requires a comprehensive term paper, performance, or product design.

Degree Requirements

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As soon as they are accepted for admission to UCLA, new students should learn the requirements necessary to receive a bachelor's degree and begin planning an appropriate program of study. All undergraduate students must satisfy UC requirements, College or school requirements, and department requirements.

Degree Policies

Students are responsible for degree policies and regulations as described in **Policies and Regulations**.

University Requirements

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The University of California has established two requirements that all undergraduate students must satisfy in order to graduate: Entry-Level Writing or English as a Second Language (ESL), and American History and Institutions. It is each student's responsibility to see that these requirements are fulfilled.

Entry-Level Writing

Because proficiency in English composition is so important to successful performance in many courses, Entry-Level Writing is the only requirement for graduation that students must satisfy before entering UCLA or during their first year in residence. They may meet this requirement by one of the following methods:

- Score 30 or better on the ACT, English Language Arts, or 63 or better on the ACT, English Plus Reading
- Score 680 or better on the SAT, Evidenced-Based Reading and Writing
- Score 3, 4, or 5 on either the College Board Advanced Placement Examination in English Composition or in English Literature and Composition
- Score 5, 6, or 7 on one of the International Baccalaureate Higher Level English A Examinations, or score 6 or 7 on one of the International Baccalaureate Standard Level English A Examinations
- Before enrolling at UCLA, present transfer credit for an acceptable college-level course in English composition (passed with a grade of C or better) at another institution

If students do not meet the requirement in one of the ways described above, Academic Senate regulations require them to enroll in a course determined by performance on the Analytical Writing Placement Examination as early as possible during their first year in residence. Each course must be taken for a letter grade and passed with a grade of C or better. Students receiving a final grade of C− or worse must repeat the course during their next term in residence.

The Entry-Level Writing requirement must be satisfied before enrolling in any course that satisfies the Writing I requirement (English Composition 3, 3D, 3DX, 3E). For more information, see **Entry-Level**

Writing.

English as a Second Language

First-year undergraduate students whose first language is not English and who have not otherwise satisfied the Entry-Level Writing requirement must take the **Analytical Writing Placement Examination** (AWPE) either by the time they enter UCLA or during their first term. Results of the AWPE are reviewed to determine whether the student must take designated English composition courses in order to satisfy the Entry-Level Writing requirement. Neither the Test of English as a Foreign Language (TOEFL) nor any other English proficiency test is accepted in lieu of the AWPE. Students may take the AWPE once only; unauthorized retakes result in an invalid score. Students must begin taking courses during their first term in residence at UCLA, and must complete each course in sequence with a grade of C or better. All units are applied toward graduation, but cannot be applied toward general education requirements.

Transfer students whose native language is not English and who have completed the Writing I and Writing II equivalent courses at their transfer institution may still be held for the UCLA English as a Second Language (ESL) requirement at the discretion of UCLA Undergraduate Admission. This includes, but is not limited to, all students who received a grade below B in either Writing I or Writing II equivalent courses at their community college. Transfer students held for the ESL requirement must take the **English as a Second Language Placement Examination** (ESLPE) either before or during their first term at UCLA to determine whether they must complete one or more English composition courses. Neither the Test of English as a Foreign Language (TOEFL) nor any other English proficiency test is accepted in lieu of the ESLPE. Students may take the ESLPE once only; unauthorized retakes result in an invalid score. Students must begin taking courses during their first term in residence at UCLA, and must complete each course in sequence with a grade of C or better. All units are applied toward graduation, but cannot be applied toward general education requirements.

American History and Institutions

The American History and Institutions requirement is based on the principle that a U.S. citizen attending an American university should understand the history and public institutions of the U.S. under the federal and state constitutions. Candidates for a bachelor's degree must satisfy the American History and Institutions requirement by one of the following methods:

- Complete a year-long course in American history or American government, or a one-year combination of both, in high school with an average grade of B or better
- Complete any one of the following UCLA courses with a grade of C or better, or a grade of Passed:

  African American Studies M150D, M158A, M158B, M158C, M158E
  Asian American Studies M171D
  Chicana/o and Central American Studies M159A, M159B, CM182, M183
  Economics 183

Gender Studies M147B, M147D
History 12A, 12B, 13A, 13B, 13C, 138A, 138B, 138C, 139A, 139B, 140A, 140B, 140C, 141A, 141B, 142A through 142D, 143A, 143B, 144, M144C, 145A, 145B, 146A through 146D, M147C, M147D, 149A, 149B, M150A through M150E, M151A, M151B, M151C, 152, 153, 154, M155, 179C
Political Science 40, 114A, 114B, 140A, 140B, 140C, 142A, 143A, 145B, 145C
Study of Religion M142C

- Equivalent courses completed in UCLA Extension or at another college institution, and accepted by the Board of Admissions, may be used to fulfill the requirement
- Present a satisfactory result of the requirement, by examination, as administered at another college or university within the state
- Score 500 or better on the SAT Subject Test in U.S. History
- Score 3, 4, or 5 on the College Board Advanced Placement Test in American History

Candidates for an instructional credential, but not for a degree, must take one of the following courses: History 143A, 143B, Political Science 145B, or 145C.

Students attending UCLA on an F-1 or J-1 visa may petition for exemption from this requirement by showing proof of temporary residence in the U.S.

College, School, and Department Requirements

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College or School Requirements

The College and each school with undergraduate programs establish their own degree requirements. These generally include a unit requirement that defines the total number of units to be completed; scholarship requirement that defines a minimum grade-point average; residence requirement that defines the amount of study that must be undertaken in residence at the UCLA campus; and course requirements that may include general education courses, reading and composition courses, foreign language courses, and core courses for the field of study. See **each school** for details on requirements set by the College and each of the schools.

Department Requirements

Each department or interdepartmental program sets its own degree requirements in addition to those established by the College or school. Department requirements generally include preparation for the major, which are lower-division courses designed to prepare students for advanced study; and the major, which are upper-division course requirements. **Each department** lists its own requirements.

Undergraduate Research

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Research opportunities for undergraduate students are led by two research centers. Research courses are also offered by academic departments.

Undergraduate Research Centers

The Undergraduate Research Centers (URC) assist students in the humanities, arts, social sciences, and behavioral sciences (**URC Humanities, Arts, and Social Sciences**, A334 Murphy Hall) and in science, engineering, and mathematics (**URC Sciences**, 2121 Life Sciences) by supporting scholarly, critical, and creative research. The centers offer mentoring and tutorials, manage the Student Research Program (SRP), and administer summer research programs, academic year research programs, research stipends, and scholarships. They also sponsor two student-run publications—the *Undergraduate Science Journal* and the *Aleph* humanities and social sciences journal. Each year, the URCs organize Undergraduate Research Week in May and run the campuswide Undergraduate Research and Creativity Showcases in May and in the summer. The URCs also teach courses in the **practice of research**. Research practice courses promote a broader and deeper understanding of university research, explore careers, and help student researchers improve their communication skills. See **undergraduate research** for more information.

Student Research Program

Administered by each Undergraduate Research Center, the Student Research Program (SRP) offers undergraduates, especially lower division and first-year transfer students, opportunities to become actively involved in the UCLA research community. Working with faculty members on research projects, SRP students gain valuable research training and experience, as well as preparation for advanced undergraduate work and graduate school. Students enroll in course 99 in any department and receive 1 unit of course credit for each 30 hours of research completed during the term. Science, engineering, and

mathematics students should see **sciences SRP**. Humanities, arts, social sciences (HASS), and behavioral sciences students should see **HASS SRP**.

Undergraduate Research Fellows Program

The Undergraduate Research Fellows Program (URFP) is available on a competitive basis and by application for undergraduate students seeking entry-level research experience. Funded students typically participate in two terms of research (winter and spring quarters) through SRP. Science, engineering, and mathematics students should see **sciences URFP**. Humanities, arts, social sciences (HASS), and behavioral sciences students should see **HASS URFP**.

Undergraduate Research Scholars Program

The Undergraduate Research Scholars Program (URSP) offers scholarships from foundations, industry, and individual donors to continuing students (junior-level standing and higher). Applicants must have a strong commitment to research and must complete an honors thesis or a comprehensive independent studies project during the senior year. Applications are accepted during spring quarter for the following academic year. Science, engineering, and mathematics students should see **sciences URSP**. Humanities, arts, social sciences (HASS), and behavioral sciences students should see **HASS URSP**.

Academic Research Courses

All academic departments offer undergraduate research courses that allow students to obtain academic credit for their research experiences. Students enrolled in the courses are often upper division students with Student Research Program experience. Department requirements for credit vary, but all departments require a research proposal to enroll in upper division tutorial courses and a research report to receive credit when the research project is completed. Senior students working toward honors or highest honors in many majors must complete a two-term (or more) research project that culminates in an honors thesis. Arrangements must be made with a faculty mentor before students can register for the course. See the undergraduate adviser in the department of interest for more information.

Internships and Service Programs

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Rewarding opportunities in the form of internships, community service work, industry and business positions, local, national, and international programs, and community-based teaching furnish students with insights into a range of professional fields and the chance to apply academic theories firsthand.

Career Center

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Internship and International Opportunities

The UCLA Career Center, located in the Strathmore Building, offers support researching and finding internships, fellowships, and other experiential learning opportunities in the U.S. and abroad. Career educators are available to meet with students in person or virtually for one-on-one support regarding a variety of topics. These include career and major exploration, professional document review, interview preparation, as well as graduate and professional school consideration and application assistance. Appointments can be made on **Handshake**, the Career Center's online job and internship platform. In addition, UCLA career peers advise students on resume and cover letter development and search techniques to identify relevant employers and programs through 15 minute drop-in sessions, available in person or virtually. Many helpful resources are featured **online**. Opportunities for current students and recent graduates include teaching or volunteering abroad, research or fieldwork, and internships in almost every occupation or industry.

UCDC Summer in Washington Internship Program

The **UCDC Summer in Washington Internship Program** offers housing to students from all majors who have at least sophomore standing and would like to spend the summer in Washington, DC gaining work experience through an internship. Opportunities are available with elected officials, government agencies, public interest groups, international organizations, media, and a wide range of public and private sector organizations. Through registering in the M195DC course, the program offers advice on searching and applying for internships. There is also the opportunity to apply for a scholarship with the Career Center to help cover some of the costs for the program.

Quarter in Washington, DC

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The **Quarter in Washington Program** (UCDC) program offers an exciting opportunity to combine UC courses with field experience.

Students live at the **UC Washington Center** for up to 11 weeks, dividing their time between coursework and a parttime internship placement. Students choose from a variety of UCDC seminars with topics relevant to Washington, such as Congress or the Supreme Court. At least one optional additional course is usually offered each quarter. All courses take advantage of the unique resources of Washington for study and research.

UC Washington Center administrators help students find an internship. Placements have included C-SPAN, the Human Rights Campaign, the Department of Justice, Smithsonian museums, the Wilson Center, and various members of Congress.

Reserve Officers' Training Corps

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The University of California, in accordance with the National Defense Act of 1920 and with the concurrence of the Regents, offers courses and programs in military training. This voluntary training allows students to qualify for an officer's commission in the Air Force, Army, Marine Corps , Navy, or Space Force while completing their college education. ROTC courses are offered by three departments within the College of Letters and Science: **Aerospace Studies** (Air Force and Space Force), **Military Science** (Army), and **Naval Science** (Navy and Marine Corps). Equipment, uniforms, and textbooks are supplied. The programs supply a monthly stipend to eligible students while on contract; and additional financial benefits, including tuition and fee scholarships, to qualified students. Individual programs are described in those **departments**.

Teaching Opportunities

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Exciting teaching programs prepare undergraduate students for careers in teaching or education and allow them to serve in classrooms in the Los Angeles area. Many teaching opportunities are offered in conjunction with the School of Education and Information Studies (SE&IS), which helps coordinate programs leading to various instructional credentials or to graduate study.

Education and Social Transformation Major

In the Education and Social Transformation major, Students analyze current issues in education through a social justice lens and emerge as effective advocates for positive change. See the **program description**.

Education Studies Minor

The **Education Studies minor** offers a sequence of courses designed to introduce students to key issues, research, and policies in education. Students participate in a range of seminar and practicum courses to fulfill program requirements. The program office is in 1002 Moore Hall. See the **program description**.

General Chemistry Major

The General Chemistry major is for students who want to acquire considerable chemical background in preparation for careers in secondary school chemistry teaching. The major may be appropriate for some students who plan to enter other chemistry-related careers that involve teaching chemistry to nonchemists. See the **program description**.

Math for LA

Math For LA is an effort of the Mathematics Department's Curtis Center to improve the mathematics experiences of Los Angeles K-12 students. Its offerings include two credential pathways, a major, a minor, and a sequence of mathematics education courses (73XP, 74XP, 75XP, 105A, 105B, and 105C).

Credential Pathways

Two pathways are offered jointly with the School of Education and Information Studies. Each leads to a California Single Subject Teaching Credential in Mathematics. In the Integrated Pathway, students complete courses in education and mathematics during the junior and senior years to earn a California teaching credential upon graduation. In the Joint Math Education Pathway, students complete courses in education and mathematics during the senior year. They complete additional education courses the following summer to earn a California teaching credential. Over the following academic year, they complete graduate courses to earn a master's degree in Education.

For more information, contact **Julian Rojas**, or visit The Curtis Center in 5602 Mathematical Sciences Building between 8 a.m. and 4 p.m. Mondays through Wednesdays.

Mathematics for Teaching Major

The Mathematics for Teaching major is primarily designed for students preparing for careers in instruction, curriculum development, and assessment of high school mathematics. It is similar to the Mathematics major but has courses devoted to training in high school mathematics instruction. The major offers exceptional training in mathematics as well as in the pedagogy and content needed to teach high school mathematics, as recommended by the Conference Board of Mathematical Sciences. Students who complete the major also satisfy the California Subject Matter Competence requirement for a Single Subject Teaching Credential in Mathematics.

Mathematics for Teaching Minor

The Mathematics for Teaching minor is designed for students who are interested in K-12 mathematics education. The minor provides recognition for completion of mathematics education coursework that is essential for working in secondary school instruction, curriculum development, or assessment.

Science Education Minor

The **Science Education minor** offers preparation for careers where teaching is an important component, including middle and high school, community college, university, or other science-related outreach

careers. Students who wish to become middle or high school science teachers or who plan to teach as graduate students in their disciplines are the primary focus. The minor supplies the broad general science background included in California state subject matter credential examinations, education coursework, field experiences in the development, management, and teaching of science laboratory instruction in grades 7 through 12, and UCLA-based teaching practicums in lower-division science laboratories.

Science Teacher Education Program

The **Science Teacher Education Program** (STEP), cosponsored by the College of Letters and Science and the School of Education and Information Studies, allows science majors to observe, participate, and complete their student teaching in classrooms in schools in the Los Angeles area and to begin teacher education courses in their senior year. Seniors receive a preliminary teaching credential along with their bachelor's degree and a master's degree in education the following academic year. For details, contact **Arlene Russell**.

Teacher Education Program

The **Teacher Education Program** allows students to obtain both a Master of Education degree and a preliminary multiple or single subject credential in a full-time, two-year program that supplies clinical classroom experience and a full-year urban teaching residency.

UCLA Cal Teach

The **UCLA Cal Teach program** encourages and supports undergraduate students who are interested in exploring and pursuing K-12 mathematics and science teaching as a potential career. Courses include 20 hours of observation, participation, and assisting in K-12 schools, and seminars to support those field experiences for both mathematics and science: Science Education 1XP, 10XP, 15XP, 100XP, Mathematics 73XP, 74XP, and 75XP (in collaboration with the Mathematics Department). In addition, its offerings include the Science Education Minor and the Science Teacher Education Program.

Visual and Performing Arts Education Minor

The **Visual and Performing Arts Education minor** (VAPAE) in the School of the Arts and Architecture is an interdisciplinary and interdepartmental series of courses designed to introduce students to key issues and methodologies in the field of arts education for multiple publics and to a broad range of careers in the arts, including K-12 teaching, museum education, community arts education, creative arts therapies, and arts advocacy.

The arts education teaching sequence, an important component of the minor, consists of three courses in which selected undergraduate students explore core issues in arts education, creativity, and social justice. Students are assigned to K-12 classrooms in the Los Angeles area where they first observe and then implement an eight-week sequential arts-based lesson plan under the supervision of the guiding teacher.

Students are able to focus their studies on the following areas: strategies and methods in teaching in the arts, arts in the community, teaching the arts in non-traditional settings and with special populations, social-emotional learning in the arts, and interdisciplinary arts training.

Upon completion of the minor, students are eligible to be hired to teach in VAPAE **community arts programs** that take place at school and community sites in Los Angeles. The program office is in 2101 Broad Art Center. See the **minor description**.

Community Engagement and UCC Sacramento

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Two major internship centers offer undergraduate students opportunities for local and national experiences that carry academic credit.

Center for Community Engagement

The **Center for Community Engagement** creates opportunities for UCLA faculty, students, and staff to collaborate with community partners to build an equitable and just society through community-engaged research, teaching, and community programs. The center supports faculty, students, and community partners to create successful community-engaged courses and research, credit-bearing internships, signature scholarship opportunities, AmeriCorps programs, and community youth programs. The center is home to the undergraduate minor in Community Engagement and Social Change and study away programs in Washington, D.C. and Sacramento. More recently, the center has taken a lead role in the development and implementation of deepening UCLA engagement with Los Angeles.

University of California Center Sacramento

The **University of California Center Sacramento** (UCCS) is operated by UC Davis. UCCS advances the university's mission of teaching, research, and public service with an integrated program to train future state leaders, to address challenging public-policy issues confronted by the nation and state, and to carry out the university's mandate to assist state government. UCCS places students in intensive one-term policy-related internships throughout the state Capitol building and in the Sacramento policy community. Participating students take a full term's worth of credit-bearing courses in addition to their internships.

UCCS is open to all majors. For full eligibility criteria and application information, see the **UCCS admissions** web page.

Lower-Division Seminar Programs

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Collegium of University Teaching Fellows

The **Collegium of University Teaching Fellows** (CUTF) offers outstanding graduate students the opportunity to develop and teach lower division seminars in their area of expertise. These unique courses cover all areas, from the humanities to the life, physical, and social sciences. Undergraduate students take courses that are at the cutting edge of a discipline and benefit from a small-seminar environment. General education credit is granted for most seminars, which are offered in winter and spring quarters only. Enrollment is limited.

Fiat Lux Seminar Program

The ***Fiat Lux* Seminar Program** is a cornerstone of the innovative undergraduate curriculum at UCLA. These seminars provide students and faculty with small-group settings to engage in meaningful discussions on a range of topics. Students receive 1 unit of academic credit (Passed/Not Passed grading), and faculty members from across campus have the opportunity to share with undergraduates their areas of intellectual passion and expertise. True to the University of California's motto: *Fiat Lux—Let There be Light*, these seminars illuminate the many pathways of discovery. For details about seminar offerings each term, see the **Schedule of Classes**.

Honors Collegium

Honors Collegium, a series of interdisciplinary honors courses, offers a unique educational experience where students learn how to think critically and creatively and how to communicate effectively. Courses

emphasize the breadth of an interdisciplinary approach to learning and focus on small classes and individual attention.

Undergraduate Student Initiated Education

Undergraduate Student Initiated Education (USIE) is an innovative program designed to provide a select group of juniors and seniors with the opportunity to develop and facilitate, under faculty supervision, a lower-division seminar for their peers.

The application and selection period is during spring quarter. During the fall and winter quarters (of the next academic year), selected student facilitators work closely with their faculty mentors in two 1-unit independent study courses (one each quarter) focused on the content-area of their proposed seminar. In addition, student facilitators enroll in two 1-unit pedagogy seminars (one each quarter) in which various facilitation strategies and techniques are discussed in preparation for leading their own spring seminar.

Through the independent study courses and pedagogy seminars, student facilitators develop a formal syllabus for their spring seminars for review and approval by the USIE Faculty-Student Advisory Committee and the Faculty Executive Committee (FEC).

Academic Advising and Support

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Academic advising and support is available from student, staff, and faculty advisers; and through student services, tutorials, and other special programs.

New Student and Transition Programs

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UCLA **New Student and Transition Programs** is designed to serve the educational planning, academic advising, matriculation, and adjustment needs of all entering UCLA undergraduates. The goal is to ensure that all new UCLA students and their families begin their journeys at UCLA with a comprehensive, positive introduction to Bruin life. The first step begins during New Student Orientation, where new student advisors work in small groups to provide an introduction to UCLA and its world-renowned academic programs, extensive services, and rich traditions. Individual counseling sessions help students adjust to life at UCLA and fulfill the advising requirements of the College or school. Sessions for family members are also offered.

New Student Orientation sessions are three-day, two-night, residence hall live-in programs for first-year students; and one-day programs for transfer students. There is a fee for participation.

New Student and Transition Programs also offers the College Summer Institute (CSI), a seven-week residential program in which new first-year students get a head start on graduation requirements through UCLA summer courses.

During the academic year, additional programs offer academic advising and support. For more information, contact the New Student Academic Programs office in 201 Covel Commons or through **Message Center**.

College and School Advisers

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The College and each school at UCLA, as well as academic departments in the College and the School of the Arts and Architecture, have a staff of academic counselors and advisers to help students engage in their undergraduate careers, plan their academic program, monitor their progress toward the bachelor's degree, provide information about degree requirements, and assist with academic problems.

Students in the College are served by one of four counseling units: Academic Advancement Program, CAC-Athletics, College Academic Counseling, and Honors Programs. Undergraduates in the eight professional schools are served by their respective student services offices. See the **Center for Academic Advising in the College** for information on College advising, and **academic advising** for information on school advising offices. To contact a departmental adviser, see the individual department; a list of **department websites** is available online.

Academic Advancement Program

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Academic Advancement Program (AAP) is the largest university-based student diversity program in the U.S. Its programs for first-generation, low-income, and historically underrepresented students help ensure their academic success, retention, and graduation; and support their pursuit of academic excellence. AAP aims to increase member entrance to graduate and professional schools; develop academic, political, scientific, economic, and community leadership; and promote UCLA access and academic success for diverse high school and community college students across California.

Students are eligible for AAP if their academic profiles and personal backgrounds may impact their university experience and their retention and graduation from UCLA. Students are also eligible if they are part of any federally funded program that requires counseling, tutoring, or mentoring. For more information, contact AAP **New Student Programs**, 1230 Campbell Hall.

Center for Community College Partnerships

The **Center for Community College Partnerships** (CCCP) develops academic partnerships between California community colleges—particularly those with large underrepresented populations—and UCLA, to improve student competitiveness for UC admissions and increase the transfer admission pool diversity. Its Scholars Program offers mentoring and summer programs to help prepare students for transfer to a four-year school.

Graduate Mentoring Programs

Graduate and Professional School (GPS) Exploration Services offers AAP undergraduate students one-on-one mentoring in preparation for graduate studies and professional school admission. It also offers workshops on graduate school topics. Appointments are with and workshops are led by current graduate and professional school student mentors.

Arts Initiative Program

The **program** focuses on integration of the arts into different scholarly fields. AAP students engage in interdisciplinary research involving fine, commercial, and performing arts with an emphasis on connections to social justice issues.

Carter-Huggins Community Development and Social Justice Program

The **Carter-Huggins Community Development and Social Justice Program** (CDSJ) assists AAP students interested in pursuing graduate study in public health, public policy, social welfare, and urban planning. Students conduct applied research projects while interning at community-based social justice and equity organizations.

Educators for Tomorrow

The **Educators for Tomorrow** (EFT) program assists a new generation of socially conscious educators. AAP students participate in community service programs, internships, and research related to all facets in the field of education.

High Achievement in Math and Science Program

The **High Achievement in Math and Science Program** (HighAIMS) supports AAP students in their chosen health science professions. It offers career and academic guidance, and includes graduate school preparation, workshops, and information sessions.

McNair Research Scholars Program

The two-year **McNair Research Scholars Program** prepares AAP students for PhD programs. Students conduct an independent research project and participate in a research-intensive summer program.

Peer Learning

AAP **Peer Learning** offers numerous academic support sessions with peer learning facilitators (PLFs). Mainly upper-division undergraduates, PLFs are academic role models who have successfully completed courses in the mathematics, sciences, humanities, and social sciences disciplines. PLFs facilitate individual and small-group sessions designed to help AAP students recognize their own intellectual authority by encouraging them to engage with course materials actively, critically, and independently.

Research, Assessment, and Evaluation

The **Research, Assessment, and Evaluation** (RAE) unit maintains data on the Academic Advancement Program and AAP students while designing and implementing assessments and evaluations that examine their progress and outcomes. AAP RAE also provides AAP students with the opportunity to engage independently and collaboratively with institutional research projects that can inform real world practices and decision-making within the program from data cleaning, coding, and visualization to analyses and report writing.

Research Rookies Program

The **program** gives second-year AAP students the opportunity to develop entry-level research projects in humanities and social sciences. Over two academic terms, students gain valuable knowledge and experience regarding research.

Scholarships

Eligible AAP students may receive merit and need-based scholarships through established financial aid programs. AAP also awards scholarships; see **scholarships** for help with the application process.

Summer Graduate Preparation Program

Over six weeks during summer session, students prepare to apply to graduate or professional school. Students draft their application materials with a graduate student mentor. The program is not unit or credit bearing.

Freshman/Transfer Summer Program

This seven-week residential **summer program** prepares incoming AAP freshman and transfer students for the academic rigors of UCLA. Students build an academic support network that supplies interaction and broadens life experiences. Students enroll in three UCLA courses that fulfill graduation requirements, and get support in small groups or individual sessions from teaching assistants and peer learning facilitators.

UndocuBruins Research Program

The **program** prepares undocumented AAP students for graduate school. Students conduct independent research projects related to issues regarding immigration and immigration policy. Special emphasis is given to resources that best serve undocumented students and their communities.

Vice Provost Initiative for Precollege Scholars

The initiative partnership between UCLA and the Los Angeles and Pasadena school districts prepares historically underrepresented students in 11 high schools to become competitively eligible for admission to

UCLA and other flagship universities. The **Vice Provost Initiative for Precollege Scholars** (VIPS) offers peer mentoring, summer programs, Saturday academies, and research opportunities to scholars and their families.

Academic Excellence

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Eligible students receive the following honors and awards in recognition of academic achievement:

Dean's Honors List

The School of the Arts and Architecture; School of Education and Information Studies; Henry Samueli School of Engineering and Applied Science; Herb Alpert School of Music; Jonathan and Karin Fielding School of Public Health; Meyer and Renee Luskin School of Public Affairs; School of Nursing; School of Theater, Film, and Television; and the deans of the five divisions in the College of Letters and Science award Dean's Honors to deserving students each term. Honors are based on the grade-point average attained within a specified number of units. Contact the College or school for more information.

Latin Honors

The College and schools award Latin honors according to overall grade-point average at graduation. To be eligible students must have completed at least 90 (98 for the School of Nursing) UC units for a letter grade. The levels of honors are *summa cum laude*, *magna cum laude*, and *cum laude*. Specific requirements vary for each level and are detailed in **each school**. See the Registrar's **honors** web page for the most current calculations of Latin honors.

Departmental Honors

In the College of Letters and Science, departmental honors and highest honors are awarded at graduation on the recommendation of a student's major department, based on successful completion of a departmental honors program. Students should contact their department for its requirements.

Departmental Scholar Program

Departments in the College of Letters and Science and each school—except the Herb Alpert School of Music; School of Nursing; and School of Theater, Film, and Television—may nominate exceptionally promising juniors and seniors as **Departmental Scholars** to pursue bachelor's and master's degree programs simultaneously. Nominations are submitted to the College or school dean for recommendation to the dean of the Division Graduate Education. Students interested in becoming Departmental Scholars should contact their departments well in advance of application dates for graduate admission; see the **deadlines** web page.

Honor Societies

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Several national and international academic honor societies are represented at UCLA.

Alpha Lambda Delta and Phi Eta Sigma

Alpha Lambda Delta and **Phi Eta Sigma** are national honor societies that recognize high-achieving first-year students. Membership is based solely on academic achievement and is by invitation only. To be eligible, students must have a 3.5 grade-point average with 12 graded UC units in the first quarter of their first year at UCLA, or a cumulative 3.5 GPA at the end of the first year. For more information, send e-mail to the **Office of the Dean of Students**.

Golden Key

Golden Key is an international interdisciplinary academic honors organization dedicated to excellence. Students qualify on the basis of objective academic criteria. To be eligible, students must have a UC grade-point average of 3.6 after their first quarter at UCLA; and have sophomore, junior, or senior standing at the time of invitation.

The society recognizes and encourages scholastic achievement and excellence in all undergraduate fields of study. It unites with collegiate faculties, staff, and administrators in developing and maintaining high standards of education, and promotes scholastic achievement and altruistic conduct through voluntary service. Invitations are issued annually. For more information, send e-mail to the **Office of the Dean of Students**.

Mortar Board

Mortar Board is a national honor society for college seniors that recognizes outstanding and continual scholarship, leadership, and service to the campus community.

To be considered for membership, candidates must have completed 90 units and must have attained at least a B average or be in the highest 35 percent scholastically of the junior class, whichever is higher. **Applications** are available online early in spring quarter and are due by mid-April. Approximately 35 members are selected each spring by the outgoing chapter. For more information, contact the Student Organizations, Leadership, and Engagement (SOLE) office, 105 Kerckhoff Hall.

Phi Beta Kappa

Phi Beta Kappa is a national academic honors society in the humanities, liberal arts, and sciences, founded at the College of William and Mary in 1776. Membership is conferred for high scholastic standing and is determined by vote of the UCLA Eta Chapter Committee on Members in Course according to scholarship records. Students do not apply for Phi Beta Kappa membership.

At UCLA, only graduating seniors and selected juniors are elected to membership. The annual election is held in late April, with the initiation ceremony in June. At present, the minimum grade-point average considered is 3.85 (for 140 or more UC units); the minimum number of UC units considered is 80 (students at the 80-unit level must have at least a 3.90 GPA).

A reasonable distribution of courses in the humanities and sciences is also required, as is a foreign language course at the intermediate level (one level above the UCLA language requirement for graduation) or above. A Passed grade is computed approximately as a B, depending on number of courses taken and graded units. Elected students are notified through MyUCLA.

For more information, see the **website**, or contact **Phi Beta Kappa** in the UCLA **Center for Scholarships and Scholar Enrichment**, 233 Covel Commons.

Tau Sigma

Tau Sigma is a national honor society that recognizes the high academic achievement of first-year transfer students. To become a member, UCLA students must have a 3.5 grade-point average or better during their first term at UCLA after transferring either from a community college or a four-year institution (summer quarter not typically included). Invitations are issued after each regular academic term.

Tau Sigma honors the large UCLA transfer community for its academic achievement. The society also holds leadership, networking, and social activities. For more information, send e-mail to **Tau Sigma** or contact the Office of the Dean of Students.

Graduate Study

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Graduate students at UCLA benefit from—and contribute to—the resources of one of the country's outstanding research universities. A distinguished faculty committed to research and teaching; an extensive library system ranked among the best in the nation; and excellent research centers, institutes, and laboratories in virtually every major discipline all offer extraordinary opportunities for graduate endeavor.

Graduate training at UCLA takes place in classrooms, laboratories, and libraries; in specialized seminars; through independent research; and in teaching experiences. Graduate education is enriched by several hundred postdoctoral and visiting scholars from other universities who engage in research and, in some instances, teaching at UCLA every year. This unique research environment promotes the quality of original work and study that is the hallmark of graduate education.

The degree of Master of Arts or Master of Science, or one of several professional degrees such as Master of Business Administration, is intended to develop mastery of a field and prepare students for the practice of a profession. The doctorate degree (PhD, EdD, and so forth) is designed to prepare students for creative activity and original research, often in association with college or university teaching.

Shared Governance

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Graduate degree programs, courses, and requirements are governed and administered by the Graduate Council, Graduate Division, College and school faculty executive committees, and department advisers.

Graduate Council

The **Graduate Council** is a standing committee of the UCLA Academic Senate. The council is responsible for the establishment of UCLA policy and standards for master, doctorate, and graduate professional degree programs (other than those in law, medicine, and dentistry) and postdoctoral scholars; the approval, review, and monitoring of graduate degree programs; and recommendations about fellowships and assistantships. It also recommends to the systemwide Coordinating Committee on Graduate Affairs programs that lead to new degrees; and delegates authority to Graduate Division, and College and school faculty executive committees.

Graduate Division

The UCLA **Graduate Division** administers policy established by the Academic Senate and its Graduate Council. It oversees graduate recruitment and admissions (including recruitment of a diverse student body), fellowships, teaching assistantships, graduate student researcher appointments, and other graduate student support; and maintenance of high quality standards in all graduate programs.

Graduate Adviser

At matriculation, a graduate student usually selects or is assigned a graduate adviser who assists in program planning and completion of degree requirements. Sometimes this role is temporarily assumed by

a faculty adviser assigned to the program as a whole. When the student's master or doctoral committee is established, the chair of the committee assumes the adviser role.

Graduate Admission

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Diversity, Inclusion, and Admissions
1237 Murphy Hall
310-206-3411

Meeting the minimum requirements does not ensure graduate admission, which is limited by the number of places and the amount of student support available in UCLA graduate programs. Applicants are evaluated on scholastic qualifications and formal preparation for the graduate field of study. Departments may have other requirements for admission, which are listed by department and by degree and can be accessed from the **Division of Graduate Education** website.

Application for Admission

Prospective students **apply online**. A nonrefundable application fee is required when the application is submitted.

When to Apply

Most departments and schools have deadlines in November and early December for the following fall quarter. Consult the **admissions** section of the Graduate Education website for specific deadlines for each major. A few departments accept applications for winter and spring quarters.

At the discretion of the department, applications may be considered if submitted after a stated program deadline, provided the enrollment limits have not been exceeded.

Entrance Requirements

U.S. applicants to graduate standing must hold a bachelor's degree from a regionally accredited institution comparable in standard and content to that awarded at the University of California. Degrees granted on the basis, for example, of nonacademic prior learning, test scores, and other than organized supervised coursework in academic subjects are not considered comparable. A scholastic average of 3.0 (B) on a 4.0 scale, or better (or its equivalent if the letter grade system is not used), is required in undergraduate coursework and in any postbaccalaureate study.

See also requirements for international applicants in this chapter.

Supporting Materials

Supporting materials to be submitted, including official transcripts of record and nonrefundable application fee, are specified on the **graduate admissions** website. Submitted materials become the property of UCLA and are not returnable.

Graduate Record Examination

Applicants for admission to a department or school that requires **Graduate Record Examination** (GRE) scores should arrange to take the examination no later than December, so scores arrive on time. GRE scores should be sent directly to the prospective department and not to the Division of Graduate Education.

GRE registration and information about testing formats are available from **Educational Testing Service** (ETS). Information on GRE fee waivers is also available on the ETS site.

Letters of Recommendation

Most graduate professional schools, departments, and interdepartmental programs at UCLA require applicants to submit three letters of recommendation. Letters typically augment, validate, or explain information provided in the application; and should be written by persons qualified to analyze student's abilities and academic promise.

Admission to Dentistry, Law, and Medicine Programs

Applicants for MLS, MS, and PhD programs in the schools of dentistry, law, and medicine should **apply for admission** to the Division of Graduate Education as described. For admission to DDS, JD, LLM, SJD, and MD degree programs in the schools of **dentistry**, **law**, and **medicine**, applicants should consult school websites.

Admission to Bioscience Programs

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Applicants to PhD programs in fields related to life and biomedical sciences apply for admission to one of 11 individual research areas. **Graduate Programs in Bioscience** is a consortium of PhD programs organized into specialized research groups, called home areas, that serve as the admissions and training units associated with the degree-granting programs. Through this structure, students can specialize in their chosen area while maintaining the flexibility to move between home areas to best pursue their research interests.

Degree-Granting Programs and Home Areas

Consortium PhD programs offer the research home areas listed.

Bioinformatics
- Bioinformatics
- Medical Informatics

Human Genetics
- Genetics and Genomics

Molecular Biology
- Biochemistry, Biophysics, and Structural Biology
- Cell and Developmental Biology
- Gene Regulation, Epigenomics, and Transcriptomics
- Immunity, Microbes, and Molecular Pathogenesis

Molecular, Cellular, and Integrative Physiology

Molecular and Medical Pharmacology
- Molecular Pharmacology

Neuroscience

Physics and Biology in Medicine

Additional opportunities for doctoral study include Biochemistry, and Molecular and Structural Biology in the College of Letters and Science; Oral Biology in the School of Dentistry; and Molecular Toxicology in the Fielding School of Public Health.

International Applicants

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International applicants who have completed their postsecondary education outside the U.S. are expected to hold a degree, with above average scholarship, from a university or university-level institution. If their examinations have been graded Excellent, Very Good, Good, and Pass, applicants must have at least a Very Good general rating to qualify for admission.

Applicants who hold a three-year Bologna degree may be considered for admission on the recommendation of the department, program, or professional school. Applicants who hold a three-year ordinary or pass degree—or who hold a professional diploma in accounting, business, librarianship, social work, physical education, health education, and so forth—or a four-year degree, diploma, or higher certificate from a technical, vocational, or postsecondary specialized school should not apply for graduate admission. Persons with memberships in professional associations such as an Institute of Chartered Accountants, Institute of Chartered Secretaries and Administrators, and so forth, do not qualify for graduate admission unless they also hold recognized university-level degrees or titles.

Applicants should submit transcripts of record, in the original language and with an English translation certified by the institution, for all college and university work. Applicants who are officially offered admission must submit official, final academic records before the term of admission begins. The original of an academic record that cannot be replaced must not be sent; a properly certified copy should be sent instead. Specific information for applicants from different educational systems is available from **required academic records**.

English Language Proficiency

Most international applicants to UCLA graduate school are required to submit scores from either the **Test of English as a Foreign Language** (TOEFL) or the **International English Language Testing System** (IELTS) examination. International students and U.S. citizens who hold a bachelor's or higher degree from a university located in the U.S. or in another country (e.g., Australia, Barbados, Canada, Ireland, Jamaica, New Zealand, United Kingdom) in which English is both the primary spoken language of daily life and the

medium of instruction, or who have completed at least two years of full-time study at such an institution, are exempt from this requirement.

Applicants who are required to submit TOEFL or IELTS scores (i.e., do not belong to the exempted categories listed) may also be required to take the UCLA **English as a Second Language Placement Examination** (ESLPE) to determine potential coursework in academic writing. Incoming students who score at least 100 on the TOEFL iBT (Internet-based test) or at least a 7.5 overall band score on the IELTS examination are exempt from the ESLPE requirement.

Students who are required to take the ESLPE must do so before or during their first term at UCLA. Students may take the ESLPE once only. Unauthorized retakes of the examination result in an invalid examination score. Depending on ESLPE results, students may be required to complete one or more courses in the English as a Second Language (ESL) credit-bearing series, beginning in their first term in residence at UCLA. The courses must be passed with a grade of C or better if taken for a letter grade, or B or better if taken on an S/U basis. Taking required ESL courses may prolong students' time to degree. If students do not achieve a minimum score on the ESLPE, their admission is deferred until they have acquired the necessary proficiency in English.

Teaching Assistantships

Graduate students whose first language is not English must pass a campus-administered **Test of Oral Proficiency** (TOP) to be eligible for a UCLA teaching assistantship. A student is exempt from this test if they have already earned an undergraduate degree from an institution at which English was the sole language of instruction.

For students who receive a clear pass (7.1 or above) on the TOP, no coursework is required. Students who receive a marginal pass (between 6.4 and 7.0) are required to take an approved oral skills course during their first quarter as teaching assistants. Students scoring 6.3 or below are not eligible to become teaching assistants, and are encouraged to complete recommended ESL coursework before taking the TOP examination again.

No other oral examination is accepted. Entering graduate students who plan to work as teaching assistants in their first quarter at UCLA must arrive early enough to take the TOP before instruction begins. The examination schedule and other information about TOP are available on the Center for the Advancement of Teaching (CAT) **TOP** web page.

Admission Policies

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Duplicate Degrees

The University of California, in general, discourages the duplication of advanced degrees. At the same time, it recognizes that a professional degree does not duplicate an academic one, and that pressing needs may exist for degrees in different areas (see **graduate concurrent and articulated programs**). Students who apply for a second academic degree at the same level or lower than the one they already hold are required to show compelling cause to the department. The Division of Graduate Education is particularly concerned that a careful review and special justification be made by the graduate program in all cases where an applicant or continuing student is recommended for admission to a second doctoral program. This concern also extends to a student support recommendation for pursuit of a second doctorate degree. All degree requirements and UCLA regulations apply just as they do for a first degree. Courses and other degree requirements already applied to the earlier degree may not be applied to the second.

No Degree Objective

UCLA has no special limited or unclassified categories of graduate admission. Under some circumstances, however, applicants may be admitted for coursework without a degree objective. For example, teachers with a master's degree who wish some refresher study, or international students on a one-year stay in the U.S., may wish to apply in this manner. Requirements for admission are the same as those for degree programs, and the academic program must agree to accept the student for no degree objective (NDO) status. All admissions to NDO status must be specially approved by the dean of the Division of Graduate Education, as must any University financial assistance for students having NDO status.

Readmission

Students who have registered at any time as a graduate student at UCLA and return after an absence (except a formal leave of absence) must file an Application for Graduate Admission.

See **graduate student readmission** for procedures.

Summer Session Classes

Enrollment in summer session classes does not constitute admission to graduate standing, nor does it substitute for the required continuous registration in fall, winter, and spring quarters. Students who wish to apply summer sessions classes to their subsequent graduate program should consult in advance with their departmental adviser. This is also true if they have been readmitted to graduate standing and wish to resume graduate study in summer sessions. Information and applications are available from **Summer Sessions**, 1331 Murphy Hall.

If students take summer session classes following the award of the bachelor's degree, those grades do not appear on the undergraduate transcript (they are included on a separate transcript). After students are accepted by the Division of Graduate Education, summer session grades are included on the graduate transcript and computed in the grade-point average.

Registration

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Registrar's Office
1113 Murphy Hall

Registration consists of paying fees and enrolling in classes. Students enroll in UCLA, and in the College or one of the professional schools.

1. Registration fees and other UCLA charges are due the 20th of each month. BruinBill accounts can be viewed through **MyUCLA**.
2. Enrollment in classes is completed through **MyUCLA**.

Students must complete both processes by the established deadlines to be officially registered for the term.

Graduate students must be either registered and enrolled or on an official leave of absence every term until their degrees are awarded. As an exception, certain graduate students may be eligible to pay the filing fee. Failure to register, have filing fee status, or be on an official leave of absence for any academic term (fall, winter, or spring quarter) constitutes withdrawal from UCLA.

Fees and Payment

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Details on fee payment, enrollment procedures, and deadlines are published on the Registrar's website **registration fee payment** section.

Electronic Billing

BruinBill accounts are administered electronically (e-bill) through MyUCLA. Financial activity is displayed for the current term, as well as account activity for the last 24 months. Students can pay their BruinBill account electronically using an electronic check with no fee; or American Express, Discover, MasterCard, and VISA credit cards with a fee.

Annual Graduate Fees

Although the exact cost of attending UCLA varies by program, there are some fees that all UCLA students must pay. Each entering and readmitted student is required to submit a Statement of Legal Residence and Statement of Intent to Register to the Graduate Division Diversity, Inclusion, and Admissions office. A student classified as a nonresident of California must pay nonresident supplemental tuition (NRST) in addition to other registration fees. Legal residents of California are not required to pay NRST. **Annual graduate fees** and NRST are published online. For more information, see **Residence for Tuition Purposes** in Policies and Regulations.

Professional Degree Program Fees

Students admitted to professional degree programs must also pay professional degree supplemental tuition (PDST), which varies by program. PDST amounts are published on the Registrar's **annual and term fees** web page.

Self-Supporting Degree Program Fees

Students in self-supporting degree programs pay an annual fee, which may be assessed per term, course, or unit. For details, contact the individual program. Self-supporting program fees are published on the Registrar's **self-supporting fees** web page.

Miscellaneous Fees

Miscellaneous fees include charges for late registration fees payment. Late fees also apply if students file their study list late or do not pay off BruinBill balances on time. Fees are charged if any check is returned by a bank for any reason. Charges are assessed for most petitions and other special requests. There is also a fee for advancement to doctoral candidacy. Study list, document and service, transcript-related, and degree and diploma fees are published on the Registrar's website **fees and residence** section.

Student Health Insurance Fee

All graduate students are automatically assessed for and enrolled in the University of California **Student Health Insurance Plan** (UCSHIP) as a condition of registration at UCLA. Continued enrollment in a qualified health insurance plan is mandatory during all registered terms. UCSHIP covers medical, vision, dental, and behavioral health services.

The UCSHIP fee is billed each term along with other UCLA fees. UCSHIP fulfills all requirements mandated for a qualified health insurance plan as defined by the University of California. The **Ashe Student Health and Wellness Center** is the primary health care provider for UCSHIP, and where all nonemergency medical care is initiated.

Nonregistered students (those who withdraw, or are on approved leave or planned academic leave) may have access to UCSHIP services under certain conditions. Contact the Ashe Center to learn more.

UCSHIP Waiver

Students may waive UCSHIP if they maintain active enrollment in a qualified health insurance plan that meets all established requirements, apply for a waiver within established deadlines each term, and correctly complete the online **waiver form**. Students are responsible for providing complete and accurate information. Third-party individuals may not waive UCSHIP for a student. Waivers must be submitted before the term fees payment deadline. Deadlines are strictly enforced, and no refunds are issued after the deadline. For more information, see the **Ashe insurance** web page.

Fees Notice

All fees are subject to change without notice by the Regents. Current academic year fees and update information are available on the Registrar's **annual and term fees** web page.

Annual Budget Estimates

Budgets are designed to serve as a guide and are subject to change without notice. **Budget information** is available from Financial Aid and Scholarships. Budgets for the schools of medicine, dentistry, and nursing are higher due to specialized supplies. More information can be found on the websites of the schools of **dentistry**, **law**, **medicine**, and **nursing** for their respective students.

Fee Deferrals, Refunds, and Reductions

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Fee Refunds

Students who formally withdraw from UCLA or take an approved leave of absence may receive partial refunds of fees. For more information, see **withdrawal** in Policies and Regulations. Consult the Registrar's **refunds** web page for policy details and specific refund deadlines for each term.

Fee Deferrals

Academic apprentice personnel are eligible to receive a fee deferral for registration fees assessed during the term in which they serve as an academic apprentice. For more information, students should contact their hiring department. Students are responsible for paying fees by the deferred payment deadline, which is two months after the standard term due date. Whether students attend UCLA, take a leave of absence, or withdraw from the University, they are responsible for the fees; but may be eligible to receive a partial fee refund according to the **refund schedule**. Fees not paid by the deadline are subject to late fees.

Reduced Fee Programs

In Absentia Registration

Graduate students who conduct research or engage in approved degree-program-related activities outside California may be eligible for in absentia registration, and reduction of tuition and the student

services fee to 15 percent of the full amounts. See **in absentia** in Policies and Regulations for more information.

Reduced Units

UCLA recognizes the need for part-time study in special circumstances. When recommended by the department and properly approved by the Division of Graduate Education dean for enrollment in 6 or fewer units, students may be eligible for a one-half reduction in tuition; and a one half-reduction in nonresident supplemental tuition and/or professional degree supplemental tuition, when applicable. Students in self-supporting degree programs are not eligible for fee reductions. Doctoral students who have passed the qualifying examination or advanced to candidacy are not eligible for part-time status. For full part-time status eligibility criteria, see **part-time enrollment** on the Graduate Education website.

Students must submit a Fee Reduction Request to the Division of Graduate Education by Friday of the second week of the term. The request must include a memo from the student's faculty advisor that contains sufficient detail to allow the graduate dean to independently evaluate the need for, and feasibility of, part-time student status.

Part-time status may be requested for a maximum of three quarters. Extensions beyond this limit, for a total of up to six quarters, may be approved under exceptional circumstances.

Assessment of reduced fees is based on total enrolled units as of Friday of the third week of the term.

Except for these reductions for eligible and approved part-time students, there is no reduction in tuition; UCSHIP; student services or UCGPC fees; the Ackerman Student Union; Wooden Center; student programs, activities, and resources complex (SPARC); or Graduate Students Association fees; or other campus-based fees.

Filing Fee

Graduate students may be eligible to pay the filing fee (half the quarterly student services fee) in lieu of full term registration fees, for the filing fee usage term in which they expect to complete final degree requirements and receive their degree. Students are not eligible to pay the filing fee unless registered for the immediately preceding term. For more information on other eligibility requirements, see **filing fee**.

Students who pay the filing fee are not eligible for UCLA services, and are not considered to have the same status as registered students.

Reduced Nonresident Supplemental Tuition

The annual nonresident supplemental tuition (NRST) for graduate doctoral students who have advanced to candidacy is reduced by 100 percent, effective the term after the student is advanced. Doctoral students may receive this reduced NRST rate for a maximum of three years. After three years, the full nonresident rate is assessed.

University Employees

Full-time UCLA employees may apply for a reduction of tuition and the student services fee at their campus human resources office. Students who use the part-time fee reduction may not also use the UCLA employee fee reduction.

Class Enrollment

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Students enroll in classes through MyUCLA during assigned times—called enrollment appointments—when they are allowed to enroll. Graduate students may enroll in a maximum of 22 units in any one term, unless their graduate program has a lower unit maximum. Students who wish to exceed the maximum must request an increase from their department. The Class Planner feature allows students to create class plans prior to enrollment, share plans with counselors, and quickly add classes during their enrollment appointment. Students use the Find a Class and Enroll feature to search the **Schedule of Classes** and add available classes to their class plan or study list.

MyUCLA is also used to view enrollment appointments; drop classes; change grade type and number of units; exchange classes; and view the study list, which includes information on class meeting times, final examinations, classmates, grades, textbooks, and class websites. For more information, see Registrar's **study list** and **enrollment policies** web pages.

For classes that require written approval or specialized processing, students may inquire about processing steps through MyUCLA **Message Center**.

Study List

A study list is the record of courses in which a student is enrolled for the term. At 11:59 p.m. on Friday of the second week of instruction, the study list of enrolled courses becomes official and all wait lists are eliminated. Students should verify their study list through MyUCLA after each enrollment transaction. Students are responsible for all courses and the grading basis as listed on MyUCLA, and cannot receive credit for courses not listed.

After Friday of the second week, most changes to the official study list can be made with a fee through MyUCLA. Some changes require an Enrollment Petition along with approval signatures.

See the **study list** web page for deadlines and complete instructions.

Errors or omissions should be corrected before the College or school deadlines for changes by petition. Unapproved withdrawal from or neglect of a course entered on the study list results in a failing grade.

Wait List

Some departments establish wait lists for classes that are full. If an enrolled student drops the class, that seat is filled by a student on the wait list. Students can check enrollment status through **MyUCLA**. Position on a wait list does not indicate enrollment. Students on a wait list should not assume they will be added to a class.

Wait lists are maintained through Friday of the second week of instruction unless a department deletes them earlier.

Full-Time Graduate Program

Three courses (or 12 units) per term are considered the normal enrollment for graduate students, and are required for students not in doctoral candidacy to be counted for full-time standing in UCLA official enrollment records. Therefore, students are directed by their departments to enroll full time whenever possible.

Throughout their appointments, teaching assistants (TAs) and graduate student researchers (GSRs) are required to be registered and enrolled in at least 12 units. TAs or GSRs terminate their appointments if they take a leave of absence, withdraw, or use a filing fee. Course 375 for TAs, and individual study at the 500 level for GSRs, may be counted toward the 12-unit load.

Graduate students holding fellowships must be enrolled in at least 12 units, both before and after advancement to candidacy. The 12-unit minimum required per term may include, among others, the 500 series (individual study or research).

Veterans are required to make normal progress toward the degree as indicated by the major department. Information on Department of Veterans Affairs regulations is available from the **veterans benefits coordinator**, 1113 Murphy Hall.

Continuous Registration Policy

Graduate students must be either registered and enrolled or on an official leave of absence every term until the degree is awarded. As an exception, certain graduate students may be eligible to pay the filing fee. Failure to register, have filing fee status, or be on an official leave of absence for any academic term (fall, winter, or spring quarter) constitutes withdrawal from UCLA.

Registration in the Final Term

If students are completing courses; using faculty time, library facilities, laboratories, or other UCLA resources; or receiving UCLA funds, they are required to register in the final term in which they expect to receive their degree.

When the award of a degree is expected at the end of a given term, but special circumstances (not involving preparation of the manuscript) over which a student has no control prevent the completion of all requirements before the first day of instruction in the next term, a student may petition for a waiver of registration for that term. Such petitions must be accompanied by a letter from the graduate faculty adviser or department chair elaborating the exceptional circumstances.

Immunization Requirements

UCLA requires that all incoming students be vaccinated against or show immunity to multiple infectious diseases consistent with guidelines of the American College Health Association, California Department of Public Health, and U.S. Centers for Disease Control and Prevention (CDC). These requirements help protect the health of students and the entire campus community. Students submit their immunization history to the Ashe secure **patient portal**. See **immunization requirements** for more information.

Health Assessment and Evaluation

Incoming students enrolling in the school of dentistry, medicine, or nursing—or the Social Welfare Department—must meet specific requirements related to their professional health-care program. Information is available from the **Ashe Center**. For specific questions, contact the individual department.

Financial Support

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Fellowships and Financial Services
1228 Murphy Hall
310-825-1025
Office e-mail

As a major center for graduate study, UCLA offers its qualified graduate students substantial support through several types of financial assistance.

Information on available funding for entering (and re-entering) students is included in the online **graduate admission application**. Continuing graduate students should complete the online **fellowship application**. Completed fellowship applications must be returned to the home department by the published deadlines. Some departments have earlier deadlines; see **continuing graduate student funding** for details.

The Graduate Education website includes a financial support section for **entering students** and one for **continuing students**. Both describe the full range of financial assistance available. Students should contact their department for more detailed information.

Fellowships

UCLA administers several awards on the basis of scholarly achievement. Most awards are available in open competition, though some are restricted to new students or to specific departments. Some fellowship and scholarship awards are made from university funds; others are made from endowment funds held in trust by UCLA and given by interested friends and alumni. Still others come from annual donations by educational foundations, industry, government, and individual benefactors.

Most fellowship, traineeship, and grant awards are for one academic year (three terms). Fellowships and grants offer stipends in varying amounts for qualified students. Nonresident tuition fellowships cover

nonresident supplemental tuition (NRST), for periods of one to three terms, of selected graduate students who are not California residents.

Assistantships

Academic apprenticeships train qualified students for careers in teaching and research, and compensate them for their services. Teaching assistantships offer experience in teaching undergraduates, with faculty supervision. Graduate student researcher appointments give students experience working on faculty-supervised research projects. For more information, see **working at UCLA**.

Awards Based on Financial Need

To apply for aid based on financial need, students must complete the online Free Application for Federal Student Aid (**FAFSA**) or **California Dream Act Application** by the priority filing deadline (March 2). Some awards, such as university grants, are subject to funding availability. Financial aid applicants should make sure that any requested documentation is submitted to Financial Aid and Scholarships as soon as possible.

Students who need financial aid for summer session courses must submit a summer financial aid application in addition to the FAFSA. Summer applications are available on **MyUCLA** (under the Finances and Jobs tab) beginning April 1 and closing August 27. Applications should be submitted by April 30 for on-time consideration.

Financial aid is also available to UCLA students enrolled in summer travel, summer institutes, and UC cross-campus summer programs. See **Financial Aid and Scholarships**.

Financial aid awards include work-study and low-interest loans. Students are usually awarded a financial aid package that is a combination of these forms of assistance. More information is available from Financial Aid and Scholarships, A129J Murphy Hall.

Degree Requirements

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The following information is for prospective applicants and those outside UCLA who are interested in the basic structure of UCLA graduate degree requirements. It is not meant to be comprehensive or to serve as a primary resource for continuing students. Official, specific degree requirements, including language requirements, are detailed on **program requirements for UCLA graduate degrees**. Detailed information and general policies—many of which emanate from the Academic Senate and its Graduate Council—regarding completion of degree requirements, master's and doctoral committees, examinations, and foreign language requirements are published in ***Standards and Procedures for Graduate Study at UCLA***. General regulations concerning graduate courses, standards of scholarship, disqualification, appeal, leave of absence, normal progress toward degree, withdrawal, and other matters also are included.

Master’s and Doctoral Study

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Graduate students earn a master’s or doctorate degree by distinguished achievement in advanced study and research. In addition to coursework, there are various means of evaluating achievement in study, including qualifying examinations, capstones, and various kinds of laboratory and field work. Achievement in research is primarily assessed through evaluation of the master’s thesis or doctoral dissertation. In addition to advanced study and research, professional master’s and doctoral programs also may include professional training. This training may take the form of fieldwork, internships, or projects, and may lead to professional licensure.

University Minimum Standards

The requirements described here for master’s and doctorate degrees are minimum standards set by the University of California and UCLA. Individual schools or departments may set higher standards and may require additional courses and examinations for their master’s degrees. Each department also sets additional requirements for doctorate degrees according to the demands of the field of study. See **program requirements for UCLA graduate degrees** and the departmental graduate adviser for details. Policies and regulations are outlined in ***Standards and Procedures for Graduate Study at UCLA***.

Academic Residence

For the master’s degree, the minimum residence requirement is one year (three academic terms) of registration in graduate standing at the University of California, including at least two academic terms at UCLA.

For the doctorate degree, the minimum residence requirement is two years (six academic terms) of registration in graduate standing at the University of California, including one year (usually the second) in continuous residence at UCLA. If students earned a master’s degree at UCLA, one year (three academic

terms) of this requirement will have been met. In most cases a longer period of residence is necessary, and from three to five years is generally considered optimal.

Academic residence for both degrees is established by successfully completing a minimum of one graduate or upper-division course (4 units) during a term.

Students may earn one term of residence for summer study in either of these ways: by enrolling in two six-week UCLA summer sessions, taking at least 2 units of upper-division and/or graduate work in each session; or enrolling in one eight-week session, taking at least 4 units. Residence earned through summer enrollment is limited to one third of the degree requirements.

To maintain satisfactory progress toward the degree, UCLA requires at least a 3.0 (B) grade-point average in all courses taken in graduate standing at the University of California. Only courses for which a C or better grade is received may be applied toward a graduate degree, unless individual program requirements set a higher standard.

Foreign Language Requirements

Foreign language requirements are determined by individual departments and programs. Many departments require graduate degree candidates to demonstrate proficiency in one or more foreign languages, so that they can acquire broad knowledge in their field of study and keep abreast of foreign developments in the field.

If their program has a language requirement, students are urged to fulfill it either before they begin graduate study or as early as possible in their graduate career. If the department requires two or more foreign languages, students must complete at least one before the University oral qualifying examination (unless, as is most common, the department requires that both be completed before the examination). All foreign language requirements must be satisfied before advancement to candidacy.

Some departments allow students to fulfill language requirements either by passing departmental examinations or by completing coursework in a foreign language. Certain departments may require additional languages, special competence, or other special procedures. In some departments, English satisfies the foreign language requirement if it is not the native language.

For more details on foreign language requirements, see **program requirements for UCLA graduate degrees**.

Changing Majors

Continuing graduate students may petition for a change of major after discussing plans with the new department. The **Graduate Petition for Major/Classification Change** is filed with the Division of Graduate Education. While there is no deadline for this petition, it should be submitted before the end of

the tenth week of instruction for changes in the current quarter. Students should contact their department about any deadlines before completing the petition.

Program of Study and Scholarship

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Master's Degree

At least nine upper-division and graduate-level courses (the equivalent of 4 quarter units each)—of which at least five of the nine (20 units) must be graduate level (200 series; or with Graduate Council approval, 500-series individual study or research courses) totaling 36 units—must be completed in graduate standing. These unit requirements represent the UCLA minimum standard. Many master's degree programs have higher unit requirements.

UCLA offers master's degrees under two plans: Plan I, the Master's Thesis; and Plan II, the Master's Capstone. Some departments offer both plans, and students must consult with their department to determine the plan for meeting their degree requirements. UCLA minimum requirements are the same under either plan.

Plan I: Master's Thesis

Every master's degree thesis plan requires the completion of an approved thesis that demonstrates the student's ability to perform original, independent research.

Plan II: Master's Capstone

Following advancement to candidacy, students under Plan II must pass an individual or group capstone project or comprehensive examination. Information concerning this project or examination and its format (which may be a recital, exhibition, project portfolio, etc.) is available from the department and published in **program requirements for UCLA graduate degrees**.

Doctorate Degree

Doctoral programs are individualized and permit a high degree of specialization. UCLA does not specify course requirements for doctoral programs. Individual programs set their own requirements, subject to Graduate Council approval. These may include specific courses, and these must be completed before students take the University oral qualifying examination. Students determine their course of study in consultation with a graduate faculty adviser until the doctoral committee is appointed.

Doctoral Examinations before Advancement to Candidacy

Before advancement to candidacy, doctoral candidates fulfill the coursework, teaching, and/or examinations required by the major department or program. They are supervised during this period by a departmental faculty adviser and/or departmental guidance committee. This committee administers a departmental written examination, and in some cases an oral examination (not to be confused with the University oral qualifying examination), after students complete the recommended or required work. All students are required to successfully complete a written qualifying examination and the University oral qualifying examination before advancement to doctoral candidacy.

University Oral Qualifying Examination

Once all departmental requirements are met, the department chair consults with the student and then nominates a doctoral committee. To determine student qualifications for advancement to candidacy, the doctoral committee administers the University oral qualifying examination and, at its option, a separate written examination.

The doctoral committee, consisting of at least four faculty members nominated by the department (three for professional degrees), is appointed by the Division of Graduate Education dean. See committee membership details for **PhD doctoral committees** and **professional (non-PhD) doctoral committees**. Details are also published in ***Standards and Procedures for Graduate Study at UCLA***.

Doctoral Dissertation

Every doctorate degree program requires completion of an approved dissertation that demonstrates the student's ability to perform original, independent research; and constitutes a distinct contribution to knowledge in the principal field of study.

Policies and Regulations

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Students at UCLA are responsible for understanding the policies and regulations established by the Academic Senate. Should any variations exist between explanations in this catalog and regulations in the *Manual of the Academic Senate*, the manual prevails in all cases.

Academic Policies

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The UCLA campus is home to one College and 12 professional schools. Each has its own degree requirements, and each division and school is headed by a dean who has final academic authority.

Academic Terms

Undergraduate programs and most graduate programs at UCLA use the quarter system for academic terms, credit units, and registration fees. An academic quarter term is 10 weeks of instruction, and there are 146 days of instruction in an academic year. Class credit is accumulated in quarter units (see below). Registration fees are due each quarter. For details on academic dates and deadlines, see the Registrar's **term calendar**. For fees, see the Registrar's **fees** web page.

The School of Law and Geffen School of Medicine use the semester system.

Language of Instruction

UCLA is a premier American public research institution. Courses at UCLA are taught in the English language, unless otherwise noted in the course description (for example, foreign language courses).

Academic Credit and Class Levels

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Academic work at UCLA is measured by units of credit, which are used to evaluate the amount of time a student has devoted to a particular subject and to determine a student's class level.

Units of Credit

Most UCLA courses are assigned a unit value. One unit represents three hours of work per week per term by the student, including both class attendance and preparation.

Class Levels

Undergraduate Student

Undergraduate class level is based on completed and in-progress units, not years attended.

Undergraduate Class Levels

Class Designation	Units Completed
Freshman (UFR)	0–44.9
Sophomore (USO)	45–89.9
Junior (UJR)	90–134.9
Senior (USR)	135 or more

Graduate Student

Graduate class level is based on the degree objective, whether or not students are advanced to candidacy for a doctorate, and/or completed units.

Graduate Class Levels	
Class Designation	**Units Completed**
Master (MA/MS) (GMT)	Master's degree objective
Professional Master (GPM)	--
Doctorate 1 (GD1)	Not advanced to candidacy
Doctorate 2 (GD2)	Advanced to candidacy
Professional School (PF)	--
Professional School (PF2)	Second year (Law: 30-55.9)
Professional School (PF3)	Third year (Law: 56 or more)

Examinations

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Alternate Examination Dates Policy

In compliance with Section 92640(a) of the California Education Code, UCLA must accommodate requests for alternate examination dates for any test or examination at a time when that activity would not violate a student's religious creed. This requirement does not apply in the event that administering the test or examination at an alternate time would impose an undue hardship that could not reasonably be avoided. Accommodation for alternate examination dates is worked out directly and on an individual basis between the student and the faculty member involved.

In general, students should make such requests of the instructor during the first two weeks of any given academic term, or as soon as possible after a particular examination date is announced by the instructor.

Students unable to reach a satisfactory arrangement with their instructor should contact the **Office of Ombuds Services**, 105 Strathmore Building; or the **Office of Student Conduct**, 1206 Murphy Hall, for assistance.

Instructors who have questions or who wish to verify the nature of the religious event or practice involved should contact the Office of Ombuds Services or the Office of Student Conduct for assistance.

Undergraduate Final Examinations

No student shall be excused from assigned final examinations, except as provided above in the policy on alternate examination dates and as provided in the following three paragraphs.

The instructor in charge of an undergraduate course is responsible for assigning the final grade in the course. The final grade shall reflect the student's achievement in the course and shall be based on adequate evaluation of that achievement. The instructor's method of evaluation must be announced at the

beginning of the course. The methods may include a final written examination, term paper, final oral examination, take-home examination, or other evaluation device. Evaluation methods must be of reasonable duration and difficulty and must be in accord with applicable departmental policies. Final written examinations may not exceed three hours' duration, and are given only at the times and places established and published by the department chair and the Registrar's Office.

At the end of the term in which a student is expected to graduate, the major department may examine the student in the field of the major and, with the approval of the Undergraduate Council, assign a credit value to such general examination. The department may also excuse the student from final examinations in courses offered by the department during that term.

An instructor may release to individual students their original final examinations (or copies). This may be done by any method that ensures the students' right to privacy. Otherwise, the instructor shall retain final examination materials, or a copy thereof, until the end of the next succeeding regular term of instruction, during which period students shall have access to their examinations.

Repetition of Courses

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Certain courses, as noted in their course descriptions, may be repeated for credit. Other courses taken at UCLA (except UCLA Extension) may be repeated only according to the following guidelines:

1. To improve the grade-point average (GPA), students may repeat only those courses in which they receive a grade of C− or lower; NP or U grades may be repeated to gain unit credit. Courses in which a letter grade is received may not be repeated on a P/NP or S/U basis. Courses originally taken on a P/NP or S/U basis may be repeated on the same basis or for a letter grade.
2. Repetition of a course more than once requires the approval of the College, school, or dean of the Graduate Division, and is granted only under extraordinary circumstances.
3. Degree credit for a course is given only once, but the grade assigned each time the course is taken is permanently recorded on the transcript.
4. For undergraduates who repeat a total of 16 or fewer units, only the most recently earned letter grades and grade points are computed in the GPA. After repeating 16 units, however, the GPA is based on all letter grades assigned and total units attempted.
5. Certain programs may place additional restrictions on the repetition of courses required for those programs.
6. For graduate students, all courses in which a letter grade is given, including repeated courses, are used in computing the GPA.

Upper-Division Tutorial and Examination Credit

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Credit for Upper-Division Tutorials

Credit for upper-division tutorial courses numbered 195 through 199 in a single term is limited to a maximum of 8 units. Subject to regulations governing P/NP grades, students may take these courses on a P/NP or letter-grade basis, but the total number of units allowed in upper-division tutorial courses for a letter grade is 32.

To enroll in an upper-division tutorial course, students must have advanced junior standing and at least a 3.0 GPA in the major field, or must have senior standing. Students who have an outstanding Incomplete (I) grade in an upper-division tutorial course may not enroll in another upper-division tutorial course until the I grade has been removed. On the advice of the instructor and chair, the dean of the College or school may authorize exceptions to the limitations listed. Departments may impose additional limitations on upper-division tutorial courses.

Credit by Examination

Students with high scholastic standing may earn credit for regular UCLA courses by taking examinations rather than enrolling in the courses. This is accomplished by establishing, with a UCLA faculty member, an individual plan of study that may include oral and written work in addition to other requirements. To be eligible, undergraduate students must have completed a minimum of 12 units at UCLA. Graduate students must be registered at the time of the examination and are limited to a maximum of three courses taken in this manner.

The results of these courses are entered on the record in the same way as UC transfer credit, and grade points are assigned. Graduate credit earned by examination may be applied to minimum course requirements for master's degrees but cannot apply to academic residence requirements for master's or doctorate degrees.

Students need approval from the instructor; the department; and the College, school, or dean of the Graduate Division, from whom petitions for credit by examination (with fee) are available.

Grades

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The work of all students at UCLA is reported in grades. Instructors are required to assign a final grade for each student enrolled in a class.

Undergraduate Grades

The following grades are used to report the quality of undergraduate student work at UCLA:

Grade	Quality
A+	Extraordinary
A	Superior
B	Good
C	Fair
D	Poor
F	Fail
P	Passed (achievement at grade C level or better)
NP	Not Passed
I	Incomplete
IP	In Progress
DR	Deferred Report

Grades A, B, C, and D may be modified by a plus (+) or minus (−) suffix. Grades A, B, C, and P denote satisfactory progress toward the degree. A grade of D may be applied toward degrees unless otherwise prohibited by program requirements. However, courses in which a grade of D is received must be offset by higher grades in the same term for students to remain in good academic standing. A grade of F yields no unit or course credit.

Graduate Grades

The following grades are used to report the quality of graduate student work at UCLA:

Grade	Quality
A	Superior Achievement
B	Satisfactorily demonstrated potentiality for professional achievement in field of study
C	Passed the course but did not do work indicative of potentiality for professional achievement in field of study
F	Fail
S	Satisfactory (achievement at grade B level or better)
U	Unsatisfactory
I	Incomplete
IP	In Progress
DR	Deferred Report

The grades A, B, and C may be modified by a plus (+) or minus (−) suffix. The grades A, B, and S denote satisfactory progress toward the degree. A grade of C may be applied toward graduate degrees unless otherwise prohibited by the program requirements. However, courses in which a grade of C is received must be offset by higher grades in the same term for students to remain in good academic standing. A grade of F yields no unit or course credit.

The schools of dentistry, law, and medicine use their own grading codes. Students interested in dentistry, law, or medicine programs should contact the appropriate school for more information.

Grade Points and Grade-Point Average

Grade Points

Grade points per unit are assigned by the Registrar as follows:

Grade	Grade Points per Unit
A+	4.0
A	4.0
A−	3.7
B+	3.3
B	3.0
B−	2.7
C+	2.3
C	2.0
C−	1.7
D+	1.3
D	1.0
D−	0.7
F	0.0
NP	0.0
U	0.0

As indicated, a plus (+) or minus (−) suffix added to a grade raises or lowers the grade-point value, except in the case of A+, which carries the same number of grade points as the A grade. Courses in which students receive a grade of P or S may count toward satisfaction of degree requirements, but these grades, as well as DR, I, IP, and NR, are disregarded in determining the grade-point average. (If a grade of I is later removed and a letter grade assigned, units and grade points are included in subsequent GPAs.) NR indicates that no grade was received from the instructor.

Grade-Point Average

The grade-point average (GPA) is determined by dividing the number of grade points earned by the number of units attempted. The total grade points earned for a course equals the number of grade points assigned times the number of course units. For example, if a student takes three 4-unit courses and receives grades of A−, B−, and C+, then the GPA for the term equals the total grade points (34.8) divided

by the total course units (12); the GPA is 2.9. For satisfactory standing, undergraduate students must maintain a 2.0 (C) GPA and graduate students a 3.0 (B) GPA in all courses taken at any UC campus (except UCLA Extension).

Grade-Point Example			
Grade	**Grade Points**	**Course Units**	**Total Grade Points**
A−	3.7	4	14.8
B−	2.7	4	10.8
C+	2.3	4	9.2
Total	--	**12**	**34.8**

Only grades earned in regular session or summer sessions at any UC campus—and grades earned by undergraduate students in UCLA Extension courses prefixed by XLC—are computed in the UCLA grade-point average. Grades earned at another institution or in UCLA Extension courses other than those prefixed by XLC do not affect the GPA.

Other schools and agencies may calculate GPAs differently from UCLA when evaluating records for admission to graduate and professional school programs. Students should contact those entities about such policies.

Other Types of Grades

Passed/Not Passed Grades

Undergraduate students in good standing who are enrolled in at least 12 units (14 in the Henry Samueli School of Engineering and Applied Science) may take certain courses on a Passed/Not Passed (P/NP) basis.

The grade P is assigned for a letter grade of C or better. Units earned this way count toward degree requirements but do not affect the GPA. Students receive neither units nor course credit for a grade of NP.

Students may enroll in one course each term on a P/NP basis (two courses if they have not elected the P/NP option in the preceding term). Their department or school may require that they take some or all courses in their major for a letter grade. Certain other courses or programs may also be exempt from the P/NP option; contact the College or school for details.

Students may make changes to or from P/NP grading through the sixth week of instruction using MyUCLA.

Satisfactory/Unsatisfactory Grades

Graduate students in good standing (minimum 3.0 GPA) may enroll for Satisfactory/Unsatisfactory (S/U) grading in one graduate or upper-division course outside the major field each term, in addition to any courses offered only on an S/U grading basis within the major. The grade S is assigned for a letter grade of B or better, but units earned in this manner are not counted in computing the GPA. Students receive neither units nor degree credit for a grade of U. They may not elect the S/U option for summer session courses without an approved petition.

Courses taken on an S/U basis outside the major, and 500-series courses within the major, are applicable toward degree and/or academic residence requirements if so approved. Interdepartmental majors may not apply S/U courses to degree requirements, except for 500-series courses.

Students may make changes to or from S/U grading through the tenth week of instruction using MyUCLA.

Incomplete Grades

Once a grade of Incomplete (I) is assigned, it remains on the transcript along with the passing grade students may later receive for the course. The instructor may assign the grade I when work is of passing quality but is incomplete for a good cause (such as illness or other serious problem). It is the student's responsibility to discuss with the instructor the possibility of receiving an Incomplete as opposed to a nonpassing grade.

If a grade of I is assigned, students may receive unit credit and grade points by satisfactorily completing the coursework as specified by the instructor. Students should not re-enroll in the course; if they do, it is recorded twice on the transcript. If the work is not completed by the end of the next full term in residence, the I lapses to an F, NP, or U as appropriate. For undergraduate students, the College or school may extend the deadline in unusual cases.

In Progress Grades

For certain courses extending over more than one term, evaluation of student performance is deferred until the end of the final term of the course. Provisional grades of In Progress (IP) are assigned in the intervening term(s) and are replaced with the final grade, and credit/units awarded and calculated, in the culminating term upon completion of the full sequence. The College or school faculty, or the Graduate Division, determines credit if students do not complete the full sequence and petition for partial credit.

Deferred Report Grades

Students may receive a grade of Deferred Report (DR) when the instructor believes their work to be complete but cannot assign a grade because of disciplinary proceedings or other problems. If students are given a grade of DR, the Office of the Dean of Students assists them in resolving the problem. For graduate students, the dean of the Graduate Division sets a deadline by which the DR lapses to an F if the problem is not resolved and a grade assigned. The DR is changed to a grade, or perhaps to an

Incomplete, when the instructor provides written confirmation that the situation is resolved. The DR is not included in determining the grade-point average.

Grade Assignment, Correction, and Complaints

Grade Assignment

The instructor in charge of a course is responsible for determining the grade of each student in the course. The standards for evaluating student performance are based on the course description as approved by the appropriate course committee.

The final grade in the course is based on the instructor's evaluation of the student's achievement in the course. When on an examination or other work submitted by a student, the student is suspected of having engaged in plagiarism or otherwise having cheated, the suspected infraction is to be reported to the appropriate administrative officer of the University for consideration of disciplinary proceedings against the student. Until such proceedings, if any, have been completed, the Deferred Report (DR) grade is assigned for that course. If in such disciplinary proceedings it is determined that the student did engage in plagiarism or otherwise cheat, the administrative officer, in addition to imposing discipline, reports the nature of the plagiarism or cheating back to the instructor of the course involved. In light of that report, the instructor may replace the DR grade with a final grade that reflects an evaluation of that which may fairly be designated as the student's own achievement in the course as distinguished from any achievement that resulted from plagiarism or cheating.

Grade Correction

All grades, except DR, I, and IP, are final when filed by the instructor in the end-of-term course report. However, the Registrar's Office is authorized to change a final grade (1) on written request of an instructor, provided that a clerical or procedural error is the reason for the change; or (2) on written request of the chair of the UCLA Academic Senate, in cases where it has been determined by the Committee on Privilege and Tenure that an instructor has assigned a grade on any basis other than academic grounds. No change of grade may be made on the basis of re-examination or, with the exception of I and IP grades, the completion of additional work. Any grade change request made more than one year after the original filing must be validated for authenticity of the instructor's signature by the department chair. Any grade change request made by an instructor who has left UCLA must be countersigned by the department chair. No grade change may be made once a student has graduated. All grade changes are recorded on the transcript.

Grade Complaints

A grade may be appealed, on any reasonable grounds, to the instructor, the chair of the department, and the dean of the division or school.

If the student believes that the instructor has violated the **Faculty Conduct Policies** by assigning the grade on any basis other than academic grounds, the matter should first be taken up with the instructor. If the matter is not resolved, the student may go for counsel to the Office of Ombuds Services, or may follow the procedures for the formal filing of charges. If a charge is sustained by the Academic Senate committees on Charges and on Privilege and Tenure, an ad hoc committee is appointed within two weeks to review the disputed grade, and any warranted change is made within four weeks.

Absence and Readmission

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To be registered for a term, students must enroll in courses and pay fees according to deadlines specified in the Registrar's **term calendar**. Students who do not register are subject to the following policies on absence and readmission.

Students who register and subsequently discontinue coursework or stop payment on registration fees checks—without an approved petition for withdrawal, leave of absence, or cancellation—receive grades of F, NP, or U, as appropriate, for all courses in which they are enrolled for that term. A fine is assessed if any check for registration fees payment is returned by a bank for stopped payment, insufficient funds, or any other reason. No fees are refunded, and future registration privileges may be curtailed or revoked.

Cancellation of Registration

Before the first day of classes, students may cancel registration by completing and submitting a **cancellation of registration** form. Refund is as follows: For new undergraduate and dentistry students, fees paid are refunded except for the nonrefundable acceptance of admission fee. For new graduate, undergraduate, continuing, and re-entering students, a **service fee** is deducted from the amount of fees paid.

Graduate students who cancel their registration and do not apply for a formal leave of absence must file for readmission to return to UCLA.

Withdrawal

Withdrawing from UCLA means discontinuing attendance in all courses in which the student enrolled. Students who withdraw during a term must file a **withdrawal notice**.

When students officially withdraw, a percentage of the term fees may be refunded depending on the date the withdrawal form is filed. See the Registrar's **withdrawal** web page for policy details and specific refund dates.

The UCSHIP fee is nonrefundable in most cases. Contact the Arthur Ashe Student Health and Wellness Center **insurance office** for more information.

Students may withdraw only if they have not taken any final examinations or otherwise completed the work in any classes. For undergraduates, one withdrawal places no restriction on readmission or continuation if they started the term in good academic standing. If they withdraw after one or more previous withdrawals or while in academic difficulty, a restriction may be placed on their continuance in undergraduate standing. Before withdrawing, they are urged to consult with faculty, department, or College or school advisers to consider the full implications of this action.

Undergraduates may also withdraw from a term retroactively, provided no final examinations have been taken and no coursework has been completed. No withdrawals are accepted once they have officially graduated from UCLA.

Undergraduate One-Term Absence

Undergraduate students who complete a term (fall, winter, or spring quarter) and do not register the following term may return to UCLA the subsequent term as a continuing student, and be eligible to register and enroll in advance.

Students on a one-term absence who plan to attend another institution—including UCLA Extension—should discuss plans with their College or school counselor before enrolling elsewhere. On returning to UCLA, students must have an official transcript sent from the institution directly to UCLA Undergraduate Admission to have coursework evaluated. Failure to submit transcripts—within 30 days of submitting their readmission application or the first day of the term, whichever is later—may result in a hold being placed on the student account, which may prevent enrollment and access to certain campus services.

Planned Academic Leave (PAL) for International Travel

Students who plan to participate in a study-abroad program sponsored by an institution other than the University of California are required to take a planned academic leave of absence (PAL) from UCLA. After they are accepted into a program, students must register the program with the UCLA International Education Office (IEO), B300 Murphy Hall. Registering the program also generates the student application for the PAL.

See IEO **non-UC programs** for program and registration requirements.

Students returning from an approved PAL for participation in a registered non-UC study abroad program are not required to seek readmission, but must provide official transcripts for coursework evaluation.

Failure to submit transcripts by the first day of the readmission term may result in a hold being placed on the student's account, which may prevent enrollment and access to certain campus services.

Undergraduate Readmission

To return to UCLA after an absence of more than one term, students—except for those on PAL for non-UC study abroad—must complete an **undergraduate readmission application** and file it with the Registrar's Office in accordance with published deadlines. A nonrefundable fee applies.

Students must submit official transcripts from all institutions (including UCLA Extension) and a completed Statement of Legal Residence with readmission applications. Coursework is evaluated when official transcripts are received. Failure to submit transcripts within 30 days of the readmission application or by the first day of the readmission term, whichever is later, may result in a hold being placed on the student account, which may prevent enrollment and access to certain campus services. The paper records of nonregistered students, including transcripts submitted for transfer credit, are retained by the Registrar's Office for five academic years after the last registered term.

Students who have not registered for five years must resubmit official transcripts of all work completed outside UCLA. Readmission is generally approved if students were in good academic standing (2.0 GPA) when they left UCLA, if coursework completed elsewhere in the interim is satisfactory, and if readmission applications are filed on time. The College or school may have other regulations. Contact the **readmission clerk** for more information.

Readmission Deadlines

Readmission Term	Application Deadline
Fall Quarter	August 15
Winter Quarter	November 25
Spring Quarter	February 25

Graduate Student Registration, Leave, and Readmission

Graduate Student Continuous Registration Policy

Graduate students must be either registered and enrolled or on an official leave of absence every term until their degrees are awarded. As an exception, certain graduate students may be eligible to pay the filing fee. Failure to register, have filing fee status, or be on an official leave of absence for any term (fall, winter, or spring quarter) constitutes withdrawal from UCLA.

Graduate Leave of Absence

Continuing graduate students in good standing (3.0 GPA or above) who have completed at least one term of UCLA graduate work may, with the support of their department and approval of the Graduate Division, be eligible for leaves of absence. Graduate students are allowed three quarters of official leave of absence. See the **leave of absence request** web page; for filing deadlines, see the Registrar's **term calendar**.

Federal policy governing students on F-1 and J-1 visas restricts leaves of absence to certain conditions. The **Dashew Center for International Students and Scholars**, in consultation with the Graduate Division, individually evaluates each international graduate student request for a leave of absence to determine that it meets federal (and UCLA) eligibility criteria.

Students on approved leave of absence are not permitted to use faculty time or make use of UCLA facilities for more than 12 hours since their last registration, and are not eligible for apprentice personnel employment or other services normally available to registered students. There is no need to apply for readmission, since the approved leave is for readmission to a specific term. The Registrar's Office notifies students about registration for the returning term.

Research doctoral students who are new parents or who are confronted with extraordinary parenting demands should consult ***Standards and Procedures for Graduate Study at UCLA*** (PDF) regarding Graduate Council policy requiring program accommodations for them.

Graduate Student Readmission

Students who are granted a formal leave of absence do not have to apply for readmission if they resume their graduate work in accordance with the terms of the leave. All other continuing graduate students who fail to register for any regular session, or who fail to complete a term through cancellation or withdrawal, must apply for readmission.

Students who have registered at any time as a graduate student at UCLA and return after an absence (except a formal leave of absence) must file an **application for graduate admission**. Payment of the nonrefundable application fee may be made by credit card only. Transcripts of all academic work completed since registration at UCLA as a graduate student must also be submitted.

In Absentia Registration

Academic and professional graduate students who conduct research or engage in approved degree program-related activities outside California may be eligible for in absentia registration. Students registered in absentia pay 15 percent of tuition and the student services fee, but pay the full amounts of other mandatory fees such as health insurance and nonresident supplemental tuition (if applicable). In absentia registration and fee reductions may be used for a maximum of six quarters or four semesters for academic doctoral students, and up to three quarters or two semesters for master's and professional graduate students. See the **in absentia registration petition** web page.

Transcript and Records

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The transcript is the complete record of a student's academic work at UCLA. The Registrar prepares, maintains, and permanently retains this record. Additional records may include financial and personal student information.

Transcripts

The transcript reflects all undergraduate and graduate work completed in UCLA regular and summer sessions. It lists chronologically courses, units, grades, cumulative GPA, transfer credits, and total units.

An official UCLA paper transcript is printed on security paper to safeguard against unauthorized duplication, alteration, and misrepresentation. The paper has a faint multicolor security background design, and a border bearing the words *University of California, Los Angeles*. Authentication details are located in the lower right-hand corner of the transcript. The transcript legend is located on the reverse of the document.

An official UCLA electronic (PDF) transcript includes a cover page with UCLA, student, and recipient information. Transcript pages have a background design. Identifying text appears at the top of the page. Authentication details are located in the lower right-hand corner of the transcript. A legend page is also included.

Two types of official UCLA transcript—academic and proof of enrollment—are designed to meet specific needs. Both can be ordered through **MyUCLA**, as can an unofficial (student copy) academic transcript.

Academic Transcript

The academic transcript is a student's complete academic record, including a list of courses taken, transfer credit, units, grades, grade-point average (GPA), earned UCLA degrees, and in-progress term information. In-progress information includes a list of courses in which a student enrolled during the term

the transcript was ordered, and other in-progress information such as a change in major or removal of an I grade.

Grades for completed terms are processed immediately following the conclusion of final examinations. Complete academic transcripts are available approximately two weeks after the last day of the term. For graduating students, academic transcripts with the graduation date included are available approximately six weeks after the term-end date. Students who need earlier proof of graduation may contact a **degree auditor**.

For auto insurance good-student discount purposes, an academic transcript can be attached to the insurance form; or the form can be presented at 1113 Murphy Hall.

Proof of Enrollment

Proof of enrollment certifies registration (fee payment and enrollment status) and degrees earned. It does not display courses or grades, but does include enrollment status, degree-expected term, and UCLA degree awarded with date of award. Proof of enrollment confirms student enrollment status only after registration fees have been paid for the term.

Verification of student workload is based on actual enrolled units. It does not consider wait-listed units. A study list of 12 or more units for registered undergraduate students, or 8 or more units for registered graduate students, is considered full-time status for enrollment reporting, insurance, intercollegiate athletics, and financial aid purposes.

Verification of degree can be issued after the degree has been posted to the student record, approximately six weeks after the term ends. Students who need verification before the degree is posted may contact a **degree auditor**.

Third-Party Verifications

UCLA has authorized **National Student Clearinghouse** to act as its agent for all third-party verifications of student enrollment and degrees, including those for loans and creditors. Approved by the U.S. Department of Education, the Clearinghouse is a national organization that facilitates and expedites student enrollment verifications for creditors and other student service-related agencies. The Clearinghouse abides by all provisions of the Family Educational Rights and Privacy Act (FERPA). Degree verification for the most recent term is available approximately seven weeks after the term ends.

Ordering Transcripts

Continuing students must order official academic and verification transcripts through **MyUCLA**. Other students may order transcripts through **MyUCLA** or **Parchment**. Most students can order proof of enrollment through a **proof of enrollment request**.

Orders are not processed if students have outstanding financial, academic, or administrative obligations (holds) to UCLA. Transcripts of work completed elsewhere must be requested directly from the campus or institution concerned.

More information about ordering transcripts is available on the Registrar's **student records** web page or by sending e-mail to the **transcripts unit**.

For UCLA Extension transcripts, **order online** or by mail from UCLA Extension, PO Box 24901, Department K, Los Angeles, CA 90024-0901.

Fees and Payment

Most academic transcripts and proofs of enrollment are available at no charge after payment of the **document fee**.

A fee may be charged for some transcript-related services. For example, forms that must be completed by the Registrar's Office and envelopes that require official signatures incur a special handling fee. Transcripts can be faxed for an additional fee. Faxed transcripts are generally not considered official, and confidentiality cannot be guaranteed. For exact fees, see **transcript-related fees**.

Student Records

Student files of pertinent documents are maintained for up to five years from the admit term. Students may **view their records** at the Registrar's Office, 1113 Murphy Hall. A five-day advance notice is required for viewing.

See also regulations concerning **disclosure of student records**.

MyUCLA

Through **MyUCLA**, students can obtain academic, financial, and personal information from their UCLA academic records.

Name or Address Change

Students who wish to change their legal name on official UCLA records should submit a **Legal Name Change or Correction** request. Supporting documentation is required. Students on an F or J visa must provide a current passport bearing the exact same name as the new name. All name changes are recorded on the transcript.

Student address changes should be updated through **MyUCLA**.

Closure of Student Records

Student records are closed to revisions in enrollment, grading, and academic actions on award of a degree. Students are responsible for requesting review of their record prior to award of their degree. See **UCLA Procedure 220.1**, *Student Grievances Regarding Challenge to Content of Student Records Under the Family Educational Rights and Privacy Act*.

Changes requested by an individual after award of a degree are considered by the College or school only under extraordinary circumstances. Supportive documentation is required. On action of the academic dean, a statement of the request for revision and a note of the change will be recorded only in the memoranda section of the transcript.

Maintaining Student Work

During their academic careers at UCLA, undergraduate students create evidence of their learning, which includes but is not limited to course projects, papers, and assignments; student responses on examinations; and documentation of student performance and creative expression. Regularly, and on an ongoing basis, faculty may choose to store a sample of this evidence in digital archives maintained by the Division of Undergraduate Education. All information stored, created, or derived by this archival function is governed by the faculty and the leadership of UCLA academic departments and interdepartmental degree programs. The purpose of maintaining this archive is to make this evidence available exclusively for departmental research studies conducted to inform academic program improvement and to ensure institutional effectiveness.

In the event an academic department or interdepartmental program chooses to conduct a program improvement research study, it may opt to use a sample of evidence that it has chosen to archive, and it may grant permission for the Division of Undergraduate Education, Division of Graduate Education, or other collaborators from the UCLA academic community to evaluate and analyze the student learning. The evidence of student learning is stored anonymously, with no identifiers of individual students attached to the records in the archive. Assessment of student performance in program improvement research studies is not connected with any academic record of the individual student's performance. Assessment reports may be created for internal departmental improvement purposes only, and they may include an aggregation of student characteristics associated with learning achievement. Evidence of student learning is purged from the digital archive after being stored for a period of 12 years, to ensure it can be made available for analysis of departments and programs in support of the Academic Senate program review requirements.

Students can designate that materials they created, which have been sampled by the faculty, be excluded from the Division of Undergraduate Education digital archive by **opting out** online.

Degrees

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Students must satisfy UC requirements, College or school requirements, and department requirements as described in this catalog.

Undergraduate Degrees

Undergraduate degree requirements are subject to the following degree policies.

Student Responsibility

It is students' responsibility to keep informed of and to comply with the rules, regulations, and policies affecting their academic standing. Meeting academic deadlines, monitoring the study list for accuracy, completing requisites, and fulfilling degree requirements are all part of their academic duties as students.

Minimum Scholarship

The grades A through C and Passed (P) denote satisfactory progress toward the bachelor's degree. The grades C− through D– yield unit credit but may not satisfy certain scholarship requirements. Even when they do, they must be offset by grades of C+ or better in other courses. Students must earn at least a 2.0 (C) grade-point average (GPA) in all courses taken at any UC campus. Students who fail to maintain this level may be placed on academic probation or may become subject to dismissal. The College and each school may set additional scholarship requirements.

Academic Probation

Students are placed on probation if their overall or term GPA falls between 1.5 and 1.99. While they are on probation, they may not take any course on a Passed/Not Passed (P/NP) basis. Probation ends at the

close of a regular term if students have attained a 2.0 (C) GPA for the term and a cumulative 2.0 (C) GPA in all UC coursework. Students who do not end probation within two terms are subject to dismissal.

Academic Dismissal

Students are subject to dismissal from UCLA under any of the following conditions:

- Their GPA in any one term is lower than 1.5
- They do not earn at least a 2.0 (C) GPA in any term when they are on probation
- They do not end probation within two terms

If students are subject to dismissal, their transcripts carry that notation. Students should make an appointment with their College or school counselor. Depending on the situation, they are given conditions for continuation or are dismissed from UCLA.

Progress toward the Degree

UCLA is a full-time institution, and it is expected that students complete their undergraduate degree requirements promptly. Normal progress toward graduation in four years is defined as the completion of 45 units per year, or 15 units per term.

Minimum Progress and Expected Cumulative Progress

The College and each school enforce minimum progress regulations. The College also enforces expected cumulative progress regulations. Students may be subject to disqualification for failing to meet minimum progress and expected cumulative progress requirements. See **each school** for specific minimum progress, expected cumulative progress, and study list regulations.

Petitions

A petition is a form submitted to explain an exception from any UCLA or UC standard rule or regulation. It is the only way to obtain formal approval from the department, College or school, Registrar, or office with authority over a particular request. Some petitions require a fee.

Some uses of petitions are to change the College, school, or major; take more or fewer units than regulations permit; make changes to the study list after MyUCLA processing ends; or obtain credit by examination. Students may petition for concurrent enrollment, double major, or waiver of scholarship requirements.

Transfer Credit

Every California community college has transfer course agreements that specify which courses will receive transfer credit. These courses are displayed on **ASSIST**, the statewide transfer information website. Students can get some knowledge of transfer credit from accredited institutions other than the University of California, or California community colleges, by comparing the descriptions of courses taken with those in this catalog.

Once students complete the courses, they must have the other institution send official transcripts to UCLA Undergraduate Admission electronically through an approved vendor or by mail to Box 951436, Los Angeles, CA 90095-1436. Transfer students should discuss transfer credit with their College or school and/or department adviser.

Community College/Lower Division Transfer Limitation

After completing 105 lower-division quarter units toward the degree at all institutions attended, students are allowed no further unit credit for courses completed at a community college or for lower-division courses completed at any institution outside of the University of California. The University of California does not grant transfer credit for community college or lower-division courses beyond 105 quarter units, but students may still receive subject credit for this coursework to satisfy lower-division requirements. Units earned through Advanced Placement (AP), International Baccalaureate (IB), and/or A-Level examinations are not included in the limitation. Units earned at any UC campus (through extension, summer, cross-campus, UCEAP, Intercampus Visitor Program, and regular academic year enrollment) are not included in the limitation. To convert semester units into quarter units, multiply the semester units by 1.5; for example, 12 semester units × 1.5 = 18 quarter units. To convert quarter units into semester units, multiply the quarter units by .666; for example, 12 quarter units × .666 = 7.99 or 8 semester units.

Summer Session Courses

Summer session grades at any UC campus are computed in the UCLA grade-point average.

UCLA Extension

Students who wish to receive degree credit for work taken through UCLA Extension should take courses that correspond in number to the undergraduate courses offered in regular session. The designation XL or XLC before the number of the Extension course signifies that the course is equivalent to the regular-session course bearing the same number. Grades earned by undergraduate students in the School of the Arts and Architecture, Graduate School of Education and Information Studies, College of Letters and Science, and Herb Alpert School of Music in courses prefixed by XLC are computed in the UCLA grade-point average. No degree credit is given for courses numbered X300 through X499. Concurrent enrollment in Extension and regular session is not permitted.

Degree Checks

Any time before graduation, a student may request an official degree check. This review of degree progress details requirements that remain to complete the bachelor's degree. The degree-check process may be different for the College and each school.

The **Degree Audit**—a computer-generated assessment of all degree requirements and the courses taken to fulfill them—is an essential review tool. It can be viewed and printed through **MyUCLA**, or ordered at a counseling office. The student should review their Degree Audit with their College, school, or department counselor to ensure that all requirements will be satisfied. Engineering students are encouraged to also consult the **school undergraduate degree audit** web page.

School of the Arts and Architecture

Office of Student Services, 2200 Broad Art Center

School of Education and Information Studies

Office of Student Services, 1002 Moore Hall

Henry Samueli School of Engineering and Applied Science

Office of Academic and Student Affairs, 6246 Boelter Hall

College of Letters and Science

Academic Advancement Program, 1209 Campbell Hall

College Academic Counseling, A316 Murphy Hall

College Honors Programs, A311 Murphy Hall

Student Athletics, Morgan Center

Herb Alpert School of Music

Office of Student Affairs, 1642 Schoenberg Music Building

School of Nursing

Student Affairs Office, 2-147 Factor Building

Meyer and Renee Luskin School of Public Affairs

Student Services Office, 3343 Public Affairs Building

Jonathan and Karin Fielding School of Public Health

Office of Student Services, 16-059 Center for Health Sciences

School of Theater, Film, and Television

Student Services Office, 103 East Melnitz Building

Graduate Degrees

For graduate degree requirements and procedures, see **program requirements for UCLA graduate degrees** and ***Standards and Procedures for Graduate Study at UCLA*** (PDF).

Certificate of Resident Study

International students who must leave UCLA and the U.S. before completing a degree or certificate program may request a Certificate of Resident Study in addition to a formal transcript. The certificate cannot be awarded if the studies involved are covered by a diploma or other certificate. The chair of the

major department recommends award of the certificate through a petition to the College, school, or Division of Graduate Education.

To be eligible to receive the certificate, students must have completed a program of at least nine courses with a minimum GPA of 2.0 (2.5 for Division of Graduate Education students) and have satisfactorily completed a research project over a period of nine or more months.

Graduation and Award of Degree

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The awarding of degrees is the culmination of several steps that begin when students identify the term in which they expect to complete degree requirements.

Degree Date

Degrees are awarded at the end of fall, winter, and spring quarters and at the end of summer session C. School of Law and School of Medicine degrees are normally awarded at the end of fall and spring semesters. See the UCLA **term calendar** for the degree-award date, which is the final day of the term.

Commencement

The College, each school, and the Graduate Division conduct commencement ceremonies for their graduates. Ceremonies feature addresses from distinguished speakers, and recognize candidates who have achieved high academic distinction and honors.

Check with the College, school, or department for eligibility requirements, programs, and time schedules. **Commencement** information—including the schedule of ceremonies, maps and parking, and updates—is published online. **Doctoral hooding ceremony** information is also published online.

Privacy

Names of students who request that no public information be released do not appear in commencement ceremony programs. Students may change their **privacy status** on MyUCLA.

Undergraduate Student Graduation

Approximately nine out of every 10 UCLA undergraduates eventually receive a bachelor's degree, either from UCLA or from another campus or institution. One-third of all UCLA bachelor's degree recipients go on to graduate school.

Declaration of Candidacy

All undergraduate students are assigned a degree-expected term when they first register at UCLA. This term is based on admission level (first-year or advanced standing), and time-to-degree based on undergraduate program. For most students, this is 12 regular terms (first-year) or six regular terms (transfer). Students must petition the College or school counseling unit to enroll in additional regular terms beyond the allowed number.

Friday of finals week of the term is the last day to declare candidacy for the current term.

Students can verify the **degree-expected term** through MyUCLA. For questions about degree candidacy status, College students may contact the Registrar's Office. All other students should contact their school office. Declaring candidacy is not a guarantee of graduation.

In Absentia Graduation

Students who intend to complete degree requirements while nonregistered (those who take a course through UCLA Extension or at another institution, remove an Incomplete grade, and so on) must notify their degree auditor of their intention to graduate as a nonregistered student by Friday of finals week. Students graduating in absentia are assessed the undergraduate in absentia degree-processing fee if they were also not registered in the term immediately prior to their degree-expected term.

Retroactive Degree and Graduation

Students who do not declare candidacy in the term that final degree requirements are met, or who had pending degree-related issues (such as grade changes, department approval of major courses, or advanced-standing work at other institutions) in the declared term, must submit a Retroactive Degree Request form. If the request is approved, the degree is recorded on the transcript immediately, and the student record is closed to any further revision. The $35 special degree processing fee applies.

Final Degree Audits and Graduation

Degree auditors are responsible for verifying each candidate's eligibility for a bachelor's degree. Degree auditors have information pertaining to a student's graduation only if that student declared candidacy and completed 160 quarter units (172 units for engineering students). Degree auditors are available in the following offices:

School of the Arts and Architecture

Office of Student Services, 2200 Broad Art Center

School of Education and Information Studies

Office of Student Services, 1002 Moore Hall

Henry Samueli School of Engineering and Applied Science

Office of Academic and Student Affairs, 6246 Boelter Hall

College of Letters and Science

Registrar's Office, 1113 Murphy Hall

Herb Alpert School of Music

Office of Student Affairs, 1642 Schoenberg Music Building

School of Nursing

Student Affairs Office, 2-147 Factor Building

Meyer and Renee Luskin School of Public Affairs

Student Services Office, 3250 Public Affairs Building

Jonathan and Karin Fielding School of Public Health

Office of Student Services, 16-059 Center for Health Sciences

School of Theater, Film, and Television

Student Services Office, 103 East Melnitz Building

During their graduating term, students should inform a degree auditor of grade changes, petitions for substitutions or exemptions, transfer credits, or similar changes that may affect their degree. If graduation eligibility cannot be verified, a degree auditor notifies the student of any outstanding requirements or other degree completion problems.

Student records are closed to revisions in enrollment, grading, and academic actions on award of a degree. Students are responsible for requesting review of their record prior to award of their degree.

A summary of shortages for the bachelor's degree statement is sent to each current-term candidate who does not satisfy degree requirements that term. Students who receive such notices should contact a degree auditor immediately. If students expect to satisfy degree requirements in a later term, they must change their degree-expected term through MyUCLA. They may be assessed applicable fees.

Contact degree auditors only for questions about degree audits. Contact information is published on the Registrar's **service directory**. Do not contact auditors regarding commencement procedures; see Commencement.

Graduate Student Graduation

Candidates for both master's and doctorate degrees must be advanced to candidacy and complete all degree requirements—including the master's thesis or capstone, or doctoral dissertation—before the degree is conferred. See the **filing deadlines calendar** for thesis/dissertation filing deadlines. For graduate degree requirements and procedures, see **program requirements for UCLA graduate degrees** and ***Standards and Procedures for Graduate Study at UCLA*** (PDF).

Diplomas

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Diplomas for both undergraduate and graduate students are available approximately three months after the degree-award date. After week three of their expected term of graduation, students should provide instructions for obtaining the diploma in person or by mail using the **diploma request** feature on MyUCLA. To expedite receipt of diplomas, instructions should be given no later than one month after the last day of the degree term. Students may also request diplomas in person at 1113 Murphy Hall or by using a **diploma mail request**.

Name Change

A student's lived name automatically appears on their diploma. To have their legal name appear instead, a student must use the MyUCLA **lived and legal names** feature. Once the degree is awarded, only a court order will be accepted to make a name change, and a replacement diploma fee will apply. A student's legal name can be changed only through the official **legal name change** process.

Replacement Diploma

If an original diploma is destroyed, a replacement may be ordered by using the **diploma request** feature on MyUCLA. Students may also order a replacement diploma in person at 1113 Murphy Hall, or by using a **replacement diploma** request. A replacement diploma fee applies. The new diploma bears a reissue date and signatures of current California, UC, and UCLA officials.

Administrative Policies

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Administrative policies address financial aid and academic progress, residence for tuition purposes, and use/abuse of alcohol and other substances.

Financial Aid Standards for Satisfactory Academic Progress

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UCLA Financial Aid and Scholarships establishes standards for satisfactory academic progress to measure students' progress toward degree completion using both qualitative and quantitative methods in accordance with federal regulations. To be eligible for financial aid, students must meet or exceed these standards. Failure to maintain these standards may result in suspension of financial aid eligibility. The standards are as strict as, or more strict than, the UCLA standards for a student enrolled in the same educational program who is not receiving Title IV assistance. See the ***Satisfactory Academic Progress Guide*** (PDF).

Professional Schools

Students attending the schools of Dentistry, Law, Management, Medicine, and UCLA Extension are covered by criteria established by the respective school.

Qualitative Standard

Undergraduate students must maintain a cumulative 2.0 grade-point average (GPA); graduate students must maintain a cumulative 3.0 GPA.

Quantitative Standard

Students must complete a minimum of 67 percent of cumulative coursework attempted.

Maximum Time Frame

Units attempted or total enrolled terms may not exceed 150 percent of the published length of the student's program.

Academic Major Change/Pursuit of Double Major or Minor

Students who change their academic major, or pursue a double major or minor, do not have additional financial aid eligibility beyond the maximum time frame established in this policy.

Successful Completion of Units

To successfully complete units, students must receive a grade of A, B, C, D, or P (S for graduate students) in each course. Grades of F, I, NP (U for graduate students), NR (No Report), and DR (Deferred Report) do not count as successful completion of coursework attempted.

The standards for satisfactory academic progress apply to all coursework attempted, including coursework for which students did not receive financial aid.

Cancellation of Registration

Cancellation of registration on or before the first day of classes does not count as units attempted.

English as a Second Language and Summer Sessions Coursework

English as a Second Language (ESL) and Summer Sessions coursework counts as units attempted, and toward the cumulative grade-point average.

Remedial Coursework

Remedial coursework counts as units attempted, but does not count toward the cumulative grade-point average.

Repeat Coursework

Repeated courses and grade-point average are treated in accordance with the academic policy as outlined in this *Catalog*. If the Registrar's Office counts repeat coursework as attempted/completed, it

counts equally for academic progress standards. Financial Aid and Scholarships determines if students are eligible for aid for repeat coursework.

Transfer Coursework

Coursework accepted for transfer credit counts as both units attempted and completed, and has no affect on grade-point average unless the coursework is transferred from another UC campus.

Withdrawal

Withdrawal after the first day of classes during a term counts as units attempted, unless students do not attend any classes for the given term and receive a 100 percent refund of all fees.

Evaluation

Academic progress is evaluated annually after winter quarter grades are available. For students on probation and students who are required to follow an academic plan, academic progress is evaluated each term.

Suspension and Appeals

Suspension

Students who fail to meet the standards for satisfactory academic progress are placed on suspension and are no longer eligible to receive financial aid. Suspended students are notified through their MyUCLA account.

Appeal Process

Students who have their financial aid suspended may submit a written appeal using the Satisfactory Academic Progress Appeal form. When filing an appeal, they must provide a full explanation along with documentation, verifying the circumstances that led to their inability to meet the standards for satisfactory academic progress. Before filing an appeal, students should seek assistance from an academic adviser to explore ways to eliminate deficiencies and to establish a realistic plan toward graduation. Refer to the appeal instruction packet for specific examples of valid reasons for an appeal.

Appeal Deadline

Appeals must be submitted to Financial Aid and Scholarships prior to the last day of the term for which students are appealing to have aid reinstated. Retroactive appeals are not considered. Refer to the appeal

instruction packet for priority deadlines.

Denied Appeals

If the appeal is denied, students may file a secondary appeal and submit additional information that may help explain the circumstances by which they were not able to maintain the standards for satisfactory academic progress. They are notified of the decision of the secondary appeal in writing and the decision is final.

Probation

Students who have an appeal approved are placed on probation and their academic progress is monitored on a quarterly basis to ensure that they meet the conditions of their academic plan.

Reinstatement

Students whose aid eligibility has been suspended for failing to maintain the standards for satisfactory academic progress, or whose satisfactory academic progress appeal has been denied, may regain financial aid eligibility by becoming compliant with the qualitative and quantitative components of the academic progress standards. Students who exceed the maximum time frame cannot regain eligibility through the reinstatement process.

Academic Plans

If students are required to submit an academic plan as a condition of their approved appeal, their financial aid cannot be disbursed until Financial Aid and Scholarships confirms that they are adhering to their academic plan. Students on an academic plan are evaluated each term. Their ability to adhere to the units and courses specified in their academic plan is closely monitored. Failure to adhere to their academic plan causes delays in students' aid being disbursed, and may result in suspension of their financial aid eligibility.

Residence for Tuition Purposes

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Students who have not been living in California with intent to make it their permanent home for more than one year immediately before the residence determination date for each term in which they propose to attend UCLA must pay nonresident supplemental tuition in addition to all other fees. The residence determination date is the day instruction begins at the last of the University of California campuses to open for the quarter; for schools on the semester system, it is the day instruction begins for the semester.

Who Is a Resident

Persons who are adult students (at least 18 years of age) may establish residence for tuition purposes in California if they are

1. a U.S. citizen
2. a permanent resident or other immigrant, or
3. a nonimmigrant who is not precluded from establishing a domicile in the U.S. These include holders of valid visas of the following types: A, E, G, H-1B, H-4, I, K, L, N-8, N-9, NATO 1-7, O-1, O-3, P-1, R, T, U, or V

To establish residence in California, students and/or parents must be physically present in California for more than one year, and they must have come here with the intent to make California their home as opposed to coming to this state to go to school.

Graduate students can establish eligibility independently from their parents.

Undergraduate students under 24 years of age must prove their eligibility as well as their parents' unless if the student proves financial independence. Physical presence within the state solely for educational purposes does not constitute the establishment of California residence, regardless of the length of stay.

Students and/or parents must demonstrate their intention to make California their home by severing any and all residential ties with their former state of residence and establishing those ties with California. If

these steps are delayed, the one-year durational period is extended until students and/or parents have demonstrated both presence and intent for one full year.

If their parents are not California residents (over one year of physical presence with intent to remain in the state), students are required to be financially independent in order to be a resident for tuition purposes. Their residence cannot be derived from their spouse, registered domestic partner, or their parents.

Requirements for Financial Independence

A student is considered financially independent if one or more of the following apply. The student

1. is at least 24 years of age by December 31 of the academic year for which residence classification is sought
2. is a veteran of the U.S. Armed Forces or serving in the U.S Armed Forces, including reserve components of these forces
3. is or was a ward of the court or foster youth, or both parents are deceased, or has an eligible legal guardian
4. has been declared by a court to be an emancipated minor
5. has legal dependents other than a spouse
6. is married or has a registered domestic partner as of the residence determination date of the term for which resident classification is sought
7. has been determined to be an unaccompanied youth who was homeless pursuant to federal financial aid rules
8. has received an independent student determination by the UC campus financial aid office, including qualifying dependency override
9. is a graduate or professional student (of any age)
10. is a single undergraduate student and was not claimed as an income tax deduction by their parents or any other individual for the one tax year immediately preceding the term for which they are requesting resident classification, and demonstrates self-sufficiency for one full year prior to the residence determination date of the term for which resident classification is sought
11. is a minor who reached the age of majority while in California and while their parents were California residents for UC tuition purposes, after which time the parents left California to establish residence elsewhere but the student continued to reside in California after the parents' departure; confirmation of parents' eligible residency prior to their relocation outside California required

Establishing Intent to Become a California Resident

Indications of student intent to make California their permanent residence can include the following:

1. registering to vote and voting in California elections

2. designating California as their permanent address on all school and employment records, including military records if they are in the U.S. Armed Forces
3. obtaining a California Driver License or, if they do not drive, a California Identification Card
4. obtaining California vehicle registration
5. paying California income taxes as a resident, including taxes on income earned outside California from the date they establish residence
6. establishing a California residence in which they keep their personal belongings
7. licensing for professional practice in California

Maintaining these indicia in other states during any period for which students claim residence can also serve as an indication of their intent. Documentary evidence is required, and all relevant indications are considered in determining the classification. Intent is questioned if students return to their prior state of residence when UCLA is not in session.

Temporary Absences

If persons are nonresident students who are in the process of establishing a residence for tuition purposes and they return to their former home during noninstructional periods, their presence in the state is presumed to be solely for educational purposes and only convincing evidence to the contrary rebuts this presumption. Students who are in the state solely for educational purposes are not classified as residents for tuition purposes regardless of the length of their stay.

If persons are students who have been classified as residents for tuition purposes and they leave the state temporarily, their absence could result in the loss of their California residence. The burden is on students (or their parents if they are minors) to verify that they did nothing inconsistent with their claim of a continuing California residence during their absence. Steps that students (or their parents) should take to retain a California residence include the following:

1. maintain a domicile in California
2. continue to use a California permanent address in all records—educational, employment, military, etc.
3. continue to satisfy California Resident tax obligations. If a student claims California residence, they are liable for payment of income taxes on their total income from the date they establish their residence in the state, including income earned in another state or country
4. retain California voter registration and vote by absentee ballot
5. maintain a California driver license and vehicle registration. If it is necessary to change the driver license or vehicle registration, the student must change them back within the time prescribed by law

Privacy Notice

All information requested on the Statement of Legal Residence (SLR) form is required for determining whether or not students are legal residents of California for tuition purposes. Registration cannot be

processed without this information. The Registrar's Office on campus maintains the requested information. University of California policies governing residence for tuition purposes are established by the Regents pursuant to and implemented by regulations established by the president, in consultation with the general counsel (**Regents Policy 3105**). Students have the right to inspect University records containing the residence information requested on the SLR form.

Residence Rules Applying to Minors

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General Rules Applying to Minors

If students are unmarried minors (under age 18), the residence of the parent with whom they live is considered to be their residence. If they have a parent living, they cannot change their residence by their own act, by the appointment of a legal guardian, or by the relinquishment of their parent's right of control. If students live with neither parent, their residence is that of the parent with whom they last lived. Unless they are minor aliens present in the U.S. under the terms of a nonimmigrant visa that precludes them from establishing a domicile in the U.S., students may establish their own residence when both their parents are deceased and a legal guardian has not been appointed. If they derive California residence from a parent, that parent must satisfy the one-year durational residence requirement.

Specific Rules Applying to Minors

Never Married, Divorced, or Legally Separated Parent

Minor U.S. citizens or eligible aliens may be able to derive California resident status from a California resident parent, if they move to California to live with that parent before their 18th birthday. If they begin residing with their California parent after their 18th birthday, they are treated like any other adult student coming to California to establish residence.

Parent of Minor Moves from California

Students may be entitled to resident status if they are minor U.S. citizens or eligible aliens whose parent(s) was a resident of California who left the state within one year of the residence determination date if they

1. remained in California after their parent(s) departed
2. enroll in a California public postsecondary institution within one year of their parent(s) departure, and
3. once enrolled, maintain continuous attendance in that institution

Financial independence is not required in this case.

Two-Year Care and Control

A minor or 18-year-old student may be entitled to resident classification if, immediately prior to enrolling in a postsecondary institution, they have been living with and been under the continuous direct care and control of an adult or adults other than a parent for a period of no less than two years. The adult or adults having control must have been residents of California during the one year immediately prior to the residence determination date. The classification continues until students have attained the age of 19 and have lived in the state the minimum time necessary to become a resident, so long as continuous full-time attendance is maintained at a public postsecondary institution.

Self Support

If students are U.S. citizens or eligible aliens and are minors who can prove that they lived in California for the one entire year immediately before the residence determination date, that they have been self-supporting for that one year, and that they intend to make California their permanent home, they may be eligible for resident status.

Exemptions from Nonresident Supplemental Tuition

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Member of the U.S. Armed Forces

Some members of the U.S. Armed Forces may qualify for an exemption from nonresident supplemental tuition based on the federal Higher Education Opportunity Act of 2008. Under this Act, undergraduate and graduate students who are members of the U.S. Armed Forces on active duty for a period of more than 30 days and whose domicile or permanent duty station is in California, are entitled to an exemption from nonresident supplemental tuition. Students must be continuously enrolled at the University, notwithstanding a subsequent change in their permanent duty station to a location outside of California.

Effective July 2015, certain members of the U.S. Armed Forces on active duty and veterans (and their dependents) who were separated from U.S. military service are eligible for G.I. Bill (Post-9/11 or Montgomery) program funds may qualify for an exemption from nonresident supplemental tuition.

Special Circumstances

Members of the U.S. Armed Forces stationed in California are entitled to resident classification unless their assignment to California is for the purpose of attending a state-supported institution of higher education. They must provide the campus residence deputy with a statement from their commanding officer or personnel officer stating that their assignment to active duty in California is not for educational purposes. The letter must include the dates of their assignment to the state.

Students discharged from military service after having been stationed in California on active duty for at least 366 days are entitled to resident classification for the minimum time necessary to establish residence (366 days).

Spouse or Other Dependents of Military Personnel

Some dependents of members of the U.S. Armed Forces may qualify for an exemption from nonresident supplemental tuition based on the federal Higher Education Opportunity Act of 2008. Under this Act, undergraduate or graduate students who are the spouse or dependent child of a member of the U.S. Armed Forces on active duty for a period of more than 30 days and whose domicile or permanent duty station is in California, are entitled to an exemption from nonresident supplemental tuition. Students must be continuously enrolled at the University, notwithstanding a subsequent change in the U.S. Armed Forces member's permanent duty station to a location outside of California.

Special Circumstances

Undergraduate students are entitled to resident classification if they are a spouse, natural or adopted child, or stepchild who is a dependent of a member of the U.S. Armed Forces stationed in California. If they are enrolled a an educational institution and the U.S. Armed Forces member is transferred on military orders to a place outside California where he or she continues to serve in those forces, or the U.S. Armed Forces member retires from active duty immediately after having served in California on active duty, they may retain resident status as long as they remain continuously enrolled at that institution.

California School Attendee (AB 540)

Under California law AB 540, certain nonresident students are exempt from paying nonresident supplemental tuition. To be eligible, students must have attended three full-time years at a California high school (9th grade included), adult school, and community college (maximum of two years), or attained credits/units earned in California from a California high school equivalent to three or more years of full-time high school coursework and attended a combination of elementary, middle, and/or high school (K-12) in California for a total of three or more years; and graduated from a California high school (or attained the equivalent, such as a High School Equivalency Certificate issued by the state of California or a Certificate of Proficiency resulting from the California High School Proficiency Examination), attained an associate's degree from a California community college, or fulfilled minimum transfer requirements from a California community college to a UC campus. See **AB 540 nonresident tuition exemption**. Nonimmigrant alien students are not eligible for the exemption.

Child, Spouse, or Registered Domestic Partner of a UC Faculty Member

To the extent funds are available, if a student is an unmarried dependent child, spouse, or registered domestic partner of a member of the University faculty who is a member of the Academic Senate, they may be eligible for a waiver of nonresident supplemental tuition resident classification. Confirmation of the faculty member's membership in the Academic Senate must be secured each term this waiver is granted.

Child, Spouse, or Registered Domestic Partner of a UC Employee

Students may be entitled to resident classification if they are a dependent child, spouse, or registered domestic partner of a full-time University of California employee whose assignment is outside California. Their parent's, spouse's, or registered domestic partner's employment status with the University must be ascertained each term.

Dependent Child of a California Resident

If students have not been an adult resident of California for more than one year and are the natural or adopted dependent child of a California resident who has been a resident for more than one year immediately prior to the residence determination date, they may be entitled to a resident classification until they have resided in California the minimum time necessary to become a resident, so long as continuous attendance is maintained at an institution.

Native American Graduate of a Bureau of Indian Affairs High School

Students who are graduates of a California high school operated by the federal Bureau of Indian Affairs may be entitled to a resident classification.

Employee of a California Public School District

Students holding a valid credential authorizing service in the public schools of the State of California who are employed by a school district in a full-time certificate position may be entitled to a resident classification.

Team USA Amateur Athlete Student

Team USA student athlete who trains in California in an elite-level program approved by the U.S. Olympic and Paralympic Committee is eligible for a contingent resident classification for one year, subject to continued eligibility for this provision as defined by California Education Code section 68083. Or, the student is eligible to receive a resident classification based on timely satisfaction of applicable residence requirements. The student should contact Team USA for a letter of eligibility.

Dependent or Ward of the State of California Child Welfare System

Notwithstanding any other provisions, students who reside in California and who are currently dependents or wards of the state through the California child welfare system, or were served by the California child welfare system, shall be entitled to a resident classification as long as they remain continuously enrolled.

Child, Spouse, or Registered Domestic Partner of Deceased Public Law Enforcement or Fire Suppression Employee

Students may be entitled to a waiver of nonresident supplemental tuition if they are the child, spouse, or registered domestic partner of a deceased public law enforcement or fire suppression employee who was a California resident at the time of their death, and who was killed in the course of fire suppression or law enforcement duties.

Congressional Medal of Honor Recipients and Their Children

Students who are recipients of the Congressional Medal of Honor or who are the children of a recipient may be exempt from nonresident supplemental tuition.

Refugee, VAWA, T Visa, U Visa Status

Dependent or independent students with valid USCIS refugee, VAWA, T visa, or U visa immigration status is eligible for a limited duration resident classification for one year. They may thereafter be eligible to receive a resident classification based on timely satisfaction of applicable residency requirements.

Incarcerated Students

Students actively incarcerated in a state or federal prison located within California are considered to be under the care and control of the state. Such students who are enrolled at a UC campus and are U.S. citizens or permanent residents qualify as residents for tuition purposes.

Residence Classification Change, Inquiries, and Appeals

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Residence Classification Change

To request a change of classification from nonresident to resident status, students must submit a **petition for residence classification**. All changes of status must be initiated before the petition **filing deadline**. See the Registrar's **residence classification** web page for details.

Time Limit on Submitting Documentation

If additional documentation is required for residence classification but is not readily accessible, students have until the end of the applicable term to submit it.

Incorrect Classification

Students who were incorrectly classified as residents are subject to reclassification as nonresidents and to payment of all nonresident tuition and fees not paid. If students concealed information or furnished false information and were classified incorrectly as a result, they are also subject to University discipline.

Student Status Change

Resident students who become nonresidents must immediately notify the residence deputy of their change in status.

Inquiries

Inquiries regarding residence requirements, determination, and/or recognized exceptions should be directed to the **residence deputy**, UCLA Registrar's Office, 1113 Murphy Hall, Box 951429, Los Angeles, CA 90095-1429.

Students are cautioned that this summary is not a complete explanation of the law regarding residence. Note that changes may be made in the residence requirements between the publication of this statement and the relevant residence determination date.

Appeals

Grounds for Appeal

A student may appeal a campus nonresident determination to the UC Office of the General Counsel only on these grounds and within the deadline specified

1. the decision to classify a student as a nonresident for tuition purposes was based on (a) a significant error of fact; (b) a significant procedural error; or (c) an incorrect application of policy that, if corrected, would require that the student be reclassified as a resident
2. significant new information became available after the date of the campus decision classifying the student as a nonresident; despite the exercise of reasonable diligence (care and attention), the information was not previously known or available to the student; and based on the new information, classification as a nonresident is incorrect

No appeals based solely on disagreement with the campus decision are acceptable. For more information, see the **UC Residence Policy and Guidelines** (PDF).

Appeal Deadline

The UC Office of the General Counsel must receive the appeal from the student within 30 days of the date of the campus decision notifying the student of the nonresident classification. Send the completed appeal application and a copy of the nonresident decision by e-mail to the **residency analyst**; fax to 510-987-9757; or mail to Residency Analyst, UC Office of the General Counsel, 1111 Franklin Street, 8th Floor, Oakland, CA 94607-5200.

No other University personnel are authorized to supply information relative to residence requirements for tuition purposes.

Alcohol and Substance Policies

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UCLA is designated as a drug-free environment, and only under certain conditions is alcohol consumption permitted. In keeping with its educational mission, the University assumes the responsibility to better inform the UCLA community about alcohol and substance abuse.

The sale, manufacture, distribution, or possession of designated controlled substances without a prescription is illegal under both state and federal laws. Such laws are strictly enforced by UCPD police officers. Student violators are subject to University disciplinary action, criminal prosecution, fine, and imprisonment. Refer to the UCLA policies on substance abuse for further information.

The sale, consumption, and distribution of alcohol on the UCLA campus is restricted by the UCLA alcohol policy and California state law. Organizations or groups violating alcohol or substance policies or laws may be subject to sanctions by the University.

Regulations

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UCLA and systemwide regulations govern student and faculty conduct, nondiscrimination, and privacy of student records.

Nondiscrimination

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The University of California, in accordance with applicable federal and state laws and University policies, does not discriminate on the basis of race, color, national origin, religion, sex, gender identity, pregnancy (including pregnancy, childbirth, and medical conditions related to pregnancy and childbirth), physical or mental disability, medical condition (cancer-related or genetic characteristics), ancestry, marital status, age, sexual orientation, citizenship, or service in the uniformed services (including membership, application for membership, performance of service, application for service, or obligation for service in the uniformed services). The University also prohibits sexual harassment and harassment on any of the above bases. This nondiscrimination policy covers admission, access, and treatment in University programs and activities.

In accordance with applicable federal and state laws and University policy, including Title II of the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, and University of California policy PACAOS-20 (Policy on Nondiscrimination), UCLA does not discriminate on the basis of physical or mental disability. Retaliation for participation in University procedures relating to complaints of discrimination is also prohibited. This nondiscrimination policy covers admission, access, and treatment in University programs and activities. UCLA is committed to prohibiting disability-based discrimination and harassment, and retaliation, performing a prompt and equitable investigation of complaints alleging discrimination, and properly remedying discrimination when it occurs. Examples of discrimination against students with disabilities include, but are not limited to: failure to engage with the student in a discussion of reasoning accommodations; failure to implement approved reasonable accommodations such as the provision of notes or extra time on tests; and exclusion of a qualified student from any course, course of study, or other educational program or activity because of the student's disability. Disability-based harassment is conduct which is sufficiently severe, pervasive, or persistent so as to interfere with or limit an individual's ability to participate in or benefit from the services, activities, or opportunities offered by the University.

Title IX prohibits sex discrimination, including sexual harassment and sexual violence, in any education program or activity receiving federal financial assistance. Inquiries regarding the application of Title IX may

be directed to the Title IX Office by **e-mail**, 2255 Murphy Hall, 310-206-3417; or to the U.S. Department of Education Office for Civil Rights by **e-mail**.

Student Conduct Policies

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Students are members of both society and the academic community with attendant rights and responsibilities. Students are expected to make themselves aware of and comply with the law, and with University and campus policies and regulations. While many UCLA policies and regulations parallel federal, state, and local laws, UCLA standards may be set higher. The **University of California Policies Applying to Campus Activities, Organizations, and Students** have been incorporated into the *UCLA Student Conduct Code* either by adapting or inserting verbatim the language of the policies. Students may contact the Office of Student Conduct or Student Legal Services for more information concerning these policies.

Jurisdiction

The University has jurisdiction over student conduct that occurs on University property, or in connection with official University programs or functions whether on or off University property. The University may, at its sole discretion, exercise jurisdiction over conduct that occurs off campus and that would violate student conduct when the alleged misconduct indicates the student poses a threat to the safety or security of any individual; or it involves academic work or the forgery, alteration, or misuse of any University document, record, key, electronic device, or identification.

In determining whether or not to exercise off-campus jurisdiction, the University may consider factors including but not limited to the seriousness of the alleged misconduct; whether an alleged victim is a member of the campus community; the ability of the University to gather information, including the statements of witnesses; and whether the off-campus conduct is part of a series of actions that occurred both on and off campus.

Types of Misconduct

Students may be held accountable for committing or attempting to commit a violation of the ***UCLA Student Conduct Code*** or for assisting, facilitating, or participating in the planning of an act that violates this *Code* (or an act that would be in violation of this *Code* if it were carried out by a student). Violations include the following types of misconduct:

102.01: Academic Dishonesty. All forms of academic misconduct, including but not limited to cheating, fabrication or falsification, plagiarism, multiple submissions, or facilitating academic misconduct.

NOTE: Allegations involving students (paid or unpaid) who were working on externally (including federally) sponsored research projects or supported by externally (including federally) funded research training grants when research misconduct involving their supported work was alleged to have occurred, may be afforded a different procedure if the external sponsor requires a process for responding to allegations of research misconduct that is similar to or based on federal research misconduct regulations. In that case, allegations are managed under UCLA **Policy 993** *Responding to Allegations of Research Misconduct* and are forwarded to the Research Integrity Officer (RIO), who then determines whether an inquiry and/or review is warranted. Should a review be conducted, a copy of the investigation committee report and the RIO's written determination of whether or not research misconduct occurred is forwarded to the dean, who may impose one or more sanctions as appropriate. Otherwise, **section III** of the *UCLA Student Conduct Code* is the applicable procedure for responding to allegations of fabrication by students. In the event that the RIO determines that the research record needs to be corrected due to a finding that research misconduct occurred, the RIO initiates a correction or retraction as appropriate.

For purposes of the *UCLA Student Conduct Code*, the following definitions apply:

102.01a: Cheating. Cheating includes, but is not limited to, the use of unauthorized materials (including online sources such as Course Hero, GitHub, or Chegg), information, or study aids in any academic exercise; the alteration of any answers on a graded document before submitting it for regrading; or the failure to observe the expressed procedures or instructions of an academic exercise (e.g., examination instructions regarding alternate seating or conversation during an examination).

102.01b: Fabrication. Fabrication includes, but is not limited to, falsification or invention of any information or citation in an academic exercise, including fabrication or falsification of research. Fabrication of research is making up data or results and recording or reporting them. Falsification of research is manipulating research materials, equipment, or processes, or changing or omitting data or results such that the research is not accurately represented in the research record.

102.01c: Plagiarism. Plagiarism includes, but is not limited to, the use of another person's work (including words, ideas, designs, or data), without giving appropriate attribution or citation. This includes, but is not limited to, representing, with or without the intent to deceive, part or all of an entire work obtained by purchase or otherwise, as the student's original work; the omission of or failure to acknowledge the true source of the work; or representing an altered but identifiable work of another person or the student's own previous work as if it were the student's original or new work.

Unless otherwise specified by the faculty member, all submissions, whether in draft or final form, to meet course requirements (including a paper, project, examination, computer program, oral presentation, or other work) must either be the student's own work, or must clearly acknowledge the source.

102.01d: Multiple Submissions. Multiple submissions includes, but is not limited to, the submission for credit in a UCLA course of any work that has been previously submitted in identical or similar form, at any educational institution, to fulfill the requirements of another course, without the informed permission/consent of the instructor of the UCLA course in which the multiple submission is alleged to have occurred. Multiple submissions also includes the submission of work for credit, in identical or similar form, in concurrent courses without the permission/consent of the instructors of both courses.

102.01e: Facilitating Academic Dishonesty. Facilitating academic dishonesty includes, but is not limited to, knowingly helping another student commit an act of academic dishonesty; or publishing assignments, examinations, or solutions without permission of the instructor.

102.01f: Coercion Regarding Grading or Evaluation of Coursework. Threatening personal or professional repercussions or discipline against an instructor to coerce the instructor to change a grade or otherwise evaluate the student's work by criteria not directly reflective of coursework.

102.01g: Unauthorized Collaboration. Unauthorized collaboration includes working with others without the expressed permission of the instructor on any submission, whether in draft or final form, to meet course requirements (including a paper, project, take-home examination, computer program, oral presentation, or other work). Collaboration between students will be considered unauthorized unless expressly permitted by the instructor.

102.02: Other Forms of Dishonesty. Other forms of dishonesty, including but not limited to fabricating information or knowingly furnishing false information or reporting a false emergency to the University.

102.03: Forgery. Forgery, alteration, or misuse of any University document, record, key, electronic device, or identification, or submission of any forged document or record to the University.

102.04: Theft, Damage, or Destruction of Property.

102.04a: Theft. Theft includes taking without expressed permission or, misappropriation of any property or services of the University or property of others while on University premises or at official University functions; or possession of any property that the student had knowledge or reasonably should have had knowledge was stolen.

102.04b: Damage or Destruction of Property. Damage or destruction of any University property or the property of others while on University premises or at official University functions.

102.05: Computer Misuse.

102.05a: Theft or abuse of Computers. Theft or abuse of University computers or other University electronic resources such as computer and electronic communications facilities, systems, and services. Abuses include, but are not limited to, unauthorized entry, unauthorized review of personal information of others maintained on University electronic resources, use, transfer, or tampering with the communications of others; use of either software or physical devices to enroll in classes for yourself or on behalf of others using processes other than those specifically delineated by the UCLA Registrar's Office; interference with the work of others or with the operation of computer or electronic communications facilities, systems, or

services; or violation of the ***University of California Electronic Communications Policy*** (PDF) or of any other University acceptable or allowable use policies.

102.05b: Violations of Copyright. Violations of copyright laws, whether by theft, unauthorized sharing, or other misuse of copyrighted materials such as music, movies, software, photos, or text.

102.06: Unauthorized Use of University Resources or Name. Unauthorized entry to, possession of, receipt of, or use of any University services, equipment, resources, or properties, including the University's name, insignia, or seal. See **UCLA Policy 110** (PDF) *Use of the Unversity's Names, Seals, and Trademarks*.

102.07: Violations of University Policy. Students may be subject to discipline for violation of any University policy.

102.07a: University Housing. Violations of policy regarding University-owned, operated, or leased housing facilities or other housing facilities on University property.

102.07b: University Parking. Violations of policy regarding University parking services or University-owned or operated parking facilities.

102.07c: University Recreation. Violations of policy regarding University recreation services, programs, or within University-owned or operated recreation facilities.

102.07d: University Identification Card (BruinCard). Violation of policies, regulations, or rules governing use of official University identification cards, including manufacturing or possession of false identification cards, using another person's BruinCard to obtain services or establish identity, facilitating the misuse of one's BruinCard by another person to obtain services or establish identity, or other misuse of the BruinCard.

102.07e: Unmanned Aircraft Systems. Operation of a drone or other unmanned aircraft system in the airspace above the campus is only permissible with the express written permission of the University of California Unmanned Aircraft Systems Safety Office.

102.07f: Workplace Violence. Violations of policy regarding workplace violence, including violating the terms of a restraining order or court order. See **UCLA Policy 132** (PDF) *Workplace Violence Prevention*.

102.08: Conduct that Threatens Health or Safety. Conduct that threatens the health or safety of any person, including but not limited to, physical assault, threats that cause a person reasonably to be in sustained fear for one's own safety or the safety of one's immediate family, incidents involving the use or display of a weapon likely to cause great bodily harm, and intoxication or impairment through the use of alcohol or controlled substances to the point one is unable to exercise care for one's own safety, or other conduct that threatens the health or safety of any person.

As described in **section IV** of the *Code*, before a final determination of alleged misconduct is made, an interim suspension or interim exclusion may be imposed by the dean when there is reasonable cause to believe that the student's participation in University activities or presence at specified areas of campus will lead to physical abuse, threats of violence, or conduct that threatens the health or safety of any person on

University property or at official University functions; or other disruptive activity incompatible with the orderly operation of the campus.

Incidents involving allegations of sexual violence and sexual harassment (including domestic violence, dating violence, and sexual assault), are reviewed initially by the Title IX Office pursuant to the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF) and any local procedures currently in effect. Where the Title IX Office determines that it does not have jurisdiction over an allegation, the Office of Student Conduct may review the matter to determine if the *Code* applies.

102.09: Sexual Harassment. Sexual Harassment is defined in the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF). Incidents involving allegations of sexual violence and sexual harassment (including domestic violence, dating violence, and sexual assault), are reviewed initially by the Title IX Office pursuant to the *UC Policy on Sexual Violence and Sexual Harassment* and any local procedures currently in effect. Where the Title IX Office determines that it does not have jurisdiction over an allegation, the Office of Student Conduct may review the matter to determine if the *Code* applies.

102.10: Stalking. Stalking is behavior in which a student repeatedly engages in a course of conduct directed at another person and makes a credible threat with the intent to place that person in reasonable fear for their safety, or the safety of their family, where the threat is reasonably determined by the University to seriously alarm, torment, or terrorize the person, and where the threat is additionally determined by the University to serve no legitimate purpose.

The *Code* prohibits retaliation against a person who reports stalking, assists someone with a report of stalking, or participates in any manner in a review or resolution of a stalking report. Retaliation includes threats, intimidation, reprisals, and/or adverse actions related to employment or education.

For stalking violations of a sexual nature, see also the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF). Incidents involving allegations of sexual violence and sexual harassment (including domestic violence, dating violence, and sexual assault), are reviewed initially by the Title IX Office pursuant to the *UC Policy on Sexual Violence and Sexual Harassment* and any local procedures currently in effect. Where the Title IX Office determines that it does not have jurisdiction over an allegation, the Office of Student Conduct may review the matter to determine if the *Code* applies.

102.11: Discrimination and Harassment.

102.11a: Discrimination. Discrimination means the exclusion of an individual on the basis of race, color, national origin, religion, sex, gender, gender expression, gender identity, gender transition status, pregnancy, physical or mental disability, medical condition (cancer-related or genetic characteristics), genetic information (including family medical history), ancestry, marital status, age, sexual orientation, citizenship, or service in the uniformed services (including protected veterans) from participation in any academic, research, or other University service, program, or activity.

102.11b: Harassment. Harassment means conduct that is sufficiently severe, pervasive, or persistent so as to interfere with or limit an individual's ability to participate in or benefit from the services, activities, or opportunities offered by the University; or that creates a work environment that is intimidating, hostile, or abusive.

Sanctions may be enhanced where an individual was selected for harassment because of the individual's race, color, national or ethnic origin, citizenship, sex, gender, gender expression, religion, age, sexual orientation, gender identity, pregnancy, marital status, ancestry, service in the uniformed services, physical or mental disability, medical condition, or perceived membership in any of these classifications.

For violations involving sexual harassment and sexual violence (including domestic violence, dating violence, and sexual assault), see instead the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF) and any local procedures currently in effect.

102.12: Hazing. Participating in, engaging in, or supporting hazing or any method of initiation or preinitiation into a campus organization or team, or other activity engaged in by the organization or members of the organization at any time that causes, or is likely to cause, physical injury or personal degradation or disgrace resulting in psychological harm to any student or other person, regardless of location, intent, or consent of participants.

102.13: Obstruction or Disruption. Obstruction or disruption of teaching, research, administration, disciplinary procedures, or other University activities.

102.14: Disorderly Behavior. Engaging in disorderly or lewd conduct.

102.15: Disturbing the Peace. Participation in a disturbance of the peace or unlawful assembly.

102.16: Failure to Comply. Failure to identify oneself to, or comply with directions of, a University official or other public official acting in the performance of their duties while on University property or at official University functions; or resisting or obstructing such University or other public officials in the performance of or the attempt to perform their duties.

102.17: Controlled Substances. Manufacture, distribution, dispensing, possession, use, or sale of, or the attempted manufacture, distribution, dispensing, or sale of controlled substances (including medicinal marijuana), identified in federal or state law or regulation, which is unlawful or otherwise prohibited by, or not in compliance with, any University policy or campus regulations or being unable to exercise care for one's own safety because one is under the influence of controlled substances. NOTE: This provision shall not apply to circumstances wherein the person under the influence was given a controlled substance without their knowledge and permission.

102.18: Alcohol. Manufacture, distribution, dispensing, possession, use, or sale of, or the attempted manufacture, distribution, dispensing, or sale of alcohol which is unlawful or otherwise prohibited by, or not in compliance with, University policy or campus regulations; or being unable to exercise care for one's own safety because one is under the influence of alcohol. NOTE: This provision shall not apply to circumstances wherein the person under the influence was given alcohol without their knowledge and permission.

102.19: Destructive Devices. Possession, use, storage, or manufacture of explosives, firebombs, or other destructive devices.

102.20: Weapons and Replica Weapons.

102.20a: Weapons. Except as expressly permitted by law, possession, use, storage, or manufacture of a firearm or other weapon capable of causing bodily injury is prohibited.

102.20b: Replica Weapons. Except as expressly permitted by UCPD policy, possession, use, storage, or manufacture of replicas of firearms or other weapons is prohibited. See UCLA **Policy 131** (PDF) *Weapons on Campus*.

102.21: Violation of Disciplinary Conditions. Violation of the conditions contained in the terms of a disciplinary action imposed under the *UCLA Student Conduct Code*.

102.22: Violation of Interim or Emergency Suspension Conditions. Violation of the conditions contained in a notice of Interim Suspension, Interim Exclusion, or Emergency Suspension issued pursuant to **section IV** of the *UCLA Student Conduct Code*.

102.23: Unauthorized Use or Sale of University Materials. Except as provided herein, no student will give, sell, or otherwise distribute to others or publish any recording made during any course presentation without the written consent of the University and the instructor/presenter. This policy is applicable to any recording in any medium, including handwritten or typed notes.

Any distribution of a recording of a course presentation at UCLA that captures the actual sounds and/or images of that course presentation, in any medium, must consider not only the rights of the instructor and the University, but also those of other parties. Examples include the privacy rights of students enrolled in the course, the rights of guest lecturers, and the copyright interests in materials authored by others that are displayed or presented during the course presentation. In addition to the consent of the University and the instructor/presenter, it may be necessary to secure permission from these other parties before any recording, distribution, publication, or communication is legally permitted.

102.23a: Selling Academic Materials. Selling, preparing, or distributing for any commercial purpose academic materials, including but not limited to written, video, or audio recordings of any course, or course materials, unless authorized by the University in advance and explicitly permitted by the course instructor in writing. The unauthorized sale or commercial distribution of academic materials, including but not limited to recordings, by a student is a violation of the *UCLA Student Conduct Code* whether or not it was the student or someone else who prepared the materials. This policy is applicable to any recording in any medium, including handwritten or typed notes.

102.23b: Copying Course Notes. Copying for any commercial purpose handouts, readers, or other course materials provided by an instructor as part of a University of California course unless authorized by the University in advance and explicitly permitted by the course instructor or the copyright holder in writing (if the instructor is not the copyright holder). Students currently enrolled in a course may provide a copy of their own notes or recordings to other currently enrolled students for noncommercial purposes reasonably arising from participation in the course, including individual or group study.

102.23c: Commencement Tickets. Selling commencement tickets.

102.24: Misuse of University Property. Organizing or carrying out unlawful activity on University property.

102.25: Violations of Law. Students may be subject to discipline on the basis of a conviction under any federal, California state, or local criminal law, when the conviction constitutes reasonable cause to believe that the student poses a threat to the health or safety of any person, or to the security of any property, on University premises or at official University functions, or to the orderly operation of the campus.

When the conviction also represents a violation of section(s) 102.08, 102.09, and/or 102.10 involving sexual harassment and sexual violence (including domestic violence, dating violence, sexual assault, and stalking), the Title IX Office will review the matter pursuant to the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF), any related Appendixes, and any local procedures currently in effect. Where the Title IX Office determines that it does not have jurisdiction over an allegation, the Office of Student Conduct may review the incident(s) to determine if the *Code* applies.

102.26: Terrorizing Conduct. Conduct where the actor means to communicate a serious expression of intent to terrorize, or acts in reckless disregard of the risk of terrorizing, one or more University students, faculty, or staff. *Terrorize* means to cause a reasonable person to fear bodily harm or death, perpetrated by the actor or those acting under their control. *Reckless disregard* means consciously disregarding a substantial risk. This section applies without regard to whether the conduct is motivated by race, ethnicity, personal animosity, or other reasons. This section does not apply to conduct that constitutes the lawful defense of oneself, of another, or of property.

102.27: Unwanted Personal Contact. Contact (whether physical, verbal, written, face-to-face, telephonic, electronic, or by other means) that (1) a student knows or should know is unwanted; (2) is communicated directly to one or more specific students, student group, faculty, or staff; (3) constitutes severe and/or pervasive, and objectively offensive, conduct; and (4) does not constitute speech protected by the First Amendment to the U.S. Constitution (e.g., speech in a public forum on a matter of public concern).

102.28: Expectation of Privacy. The following is prohibited:

Making a video recording, audio recording, taking one or more photographs, or streaming audio/video of any person in a location where the person has a reasonable expectation of privacy, without that person's knowledge and express consent; or posting online any audio/video/photograph made by another individual of any person in a location where the person had a reasonable expectation of privacy, without that person's knowledge and express consent.

Making a video recording, audio recording, or streaming audio/video of private nonpublic conversations and/or meetings, without the knowledge and express consent of all recorded parties; or posting online any audio/video/photographs made by another individual of any private, nonpublic conversations and/or meetings, without the knowledge and express consent of all recorded parties.

Looking through a hole or opening, into, or otherwise viewing, by means of any instrumentality, the interior of a private location without the subject's knowledge and express consent.

Express consent is clear, unmistakable, and voluntary consent that may be in written, oral, or nonverbal form.

Private locations are settings where the person reasonably expected privacy. For example, in most cases the following are considered private locations: residential living quarters, bathrooms, locker rooms, and personal offices.

Private nonpublic conversations and/or meetings include any communication carried on in circumstances that reasonably indicate that any party wants the communication to be confined to the parties, but excludes a communication made in a public gathering, or in any other circumstance in which the parties to the communication may reasonably expect that the communication may be overheard or recorded.

These provisions do not extend to public events or discussions, nor to lawful official law or policy enforcement activities. These provisions may not be utilized to impinge on the lawful exercise of constitutionally protected rights of freedom of speech or assembly.

For incidents involving allegations of conduct prohibited by the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF) (including invasions of sexual privacy), the Title IX Office will review the matter pursuant to this policy, any related appendixes, and any local procedures currently in effect. Where the Title IX Office determines that it does not have jurisdiction over an allegation, the Office of Student Conduct may review the incident(s) to determine if the *Code* applies.

Sexual Assault and Other Sexual Violence

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UCLA does not tolerate sexual violence and responds to all reports of sexual violence in accordance with UCLA procedures and the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF). Sanctions for a student found responsible for committing sexual assault or other sexual violence may include dismissal from the University. See the Title IX **policies and rights** web page.

If a Person Has Been Sexually Assaulted

Those who believe that they are a victim of sexual assault can

1. **immediately call the police department**. If possible, call the UCLA Police Department at 310-825-1491 or 911
2. **get medical attention**. Campus police will provide transportation to the Rape Treatment Center at Santa Monica-UCLA Medical Center for medical treatment and evidence collection. A confidential counselor from the Rape Treatment Center will be available at that time, free of charge
3. **report to Title IX**. Students have the right to report to the University, and can do that by contacting the Title IX Office by **e-mail** or by calling 310-206-3417. If the other person is a student or employee, the office can take administrative action, and explain those options. The Title IX Office also offers interim measures to prevent individuals from experiencing additional harm. Those measures can include, but are not limited to, academic accommodations, no-contact directives prohibiting contact, and housing transfers

Utilize confidential campus and community support services

1. **contact a Campus Assault Resources and Education (CARE) advocate**. CARE Advocates are available to support and advocate for UCLA victims or survivors. They can discuss options and alternatives, help identify the most appropriate support services, and provide information about

medical care, psychological counseling, academic assistance, legal options, how to file a police report, and how to file a complaint with the Title IX Office. CARE advocates are available to assist any member of the UCLA community regardless of where or when the assault occurred. For assistance, contact CARE at 310-206-2465 or go to 205 Covel Commons and ask to speak to a CARE advocate

2. **contact the Rape Treatment Center** at Santa Monica-UCLA Medical Center (424-259-7208) for free emergency medical treatment and counseling services

Assistance is available for persons who have been subjected to sexual violence. They are encouraged in the strongest terms to make a report to the Title IX Office.

Harassment

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Sexual Harassment

The University of California is committed to creating and maintaining a community where all persons who participate in University programs and activities can work and learn together in an atmosphere free from all forms of harassment, exploitation, or intimidation. Every member of the University community should be aware that the University is strongly opposed to sexual harassment and that such behavior is prohibited both by law and by the ***UC Policy on Sexual Violence and Sexual Harassment*** (PDF) (hereafter referred to as the *SVSH Policy*). The University will respond promptly and effectively to reports of sexual harassment and will take appropriate action to prevent, correct and, if necessary, discipline behavior that violates the *SVSH Policy*. See the Title IX **sexual harassment prevention** website.

Definitions

For detailed definitions of sexual harassment, refer to the *SVSH Policy*.

Complaint Resolution

An individual who believes that they have been sexually harassed may contact Title IX Director **Mohammed Cato**, 2255 Murphy Hall, 310-206-3417. If a student reports sexual harassment or sexual violence to a responsible employee, as defined under the *SVSH Policy*, the responsible employee must report it to the **Title IX Office**. Responsible employees include academic personnel, faculty members, and most other employees who are not defined as a confidential resource under the *SVSH Policy*.

Title IX prohibits sex discrimination, including sexual harassment and sexual violence, in any education program or activity receiving federal financial assistance. Inquiries regarding Title IX may be directed to the Title IX Office by **e-mail**, 2255 Murphy Hall, 310-206-3417; or to the U.S. Department of Education Office for Civil Rights by **e-mail**.

Other Forms of Harassment

The University strives to create an environment that fosters the values of mutual respect and tolerance and is free from discrimination based on race, ethnicity, sex, religion, sexual orientation, disability, age, and other personal characteristics. Certainly harassment, in its many forms, works against those values and often corrodes a person's sense of worth and interferes with one's ability to participate in University programs or activities. While the University is committed to the free exchange of ideas and the full protection of free expression, the University also recognizes that words can be used in such a way that they no longer express an idea, but rather injure and intimidate, thus undermining the ability of individuals to participate in the University community. The University of California ***Policies Applying to Campus Activities, Organizations, and Students*** (PDF) (hereafter referred to as *Policies*) presently prohibit a variety of conduct by students which, in certain contexts, may be regarded as harassment or intimidation.

For example, harassing expression which is accompanied by physical abuse, threats of violence, or conduct that threatens the health or safety of any person on University property or in connection with official University functions may subject an offending student to University discipline under the provisions of the *Policies*.

Similarly, harassing conduct, including symbolic expression, which also involves conduct resulting in damage to or destruction of any property of the University or property of others while on University premises may subject a student to University discipline under the provisions of Section 102.04 of the *Policies*.

Further, under specific circumstances described in Section 102.11 of the *Policies*, students may be subject to University discipline for misconduct which may consist solely of expression. Copies of these *Policies* are available in the Office of Student Conduct, 1104 Murphy Hall.

Complaint Resolution

One of the necessary measures in our efforts to assure an atmosphere of civility and mutual respect is the establishment of procedures which provide effective informal and formal mechanisms for those who believe that they have been victims of any of the above misconduct.

Many incidents of harassment and intimidation can be effectively resolved through informal means. For example, an individual may wish to confront the alleged offender immediately and firmly. An individual who chooses not to confront the alleged offender and who wishes help, advice, or information is urged to contact the Office of Student Conduct.

In addition to providing support for those who believe they have been victims of harassment, the Office of Student Conduct can help students to consider which of the available options is the most useful for the particular circumstances.

With regard to the Universitywide Student Conduct Harassment Policy, complainants should be aware that not all conduct that is offensive may be regarded as a violation of this policy and may, in fact, be protected

expression. Thus, the application of formal institutional discipline to such protected expression may not be legally permissible. Nevertheless, the University is committed to reviewing any complaint of harassing or intimidating conduct by a student and intervening on behalf of the complainant to the extent possible.

Faculty Conduct Policies

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The complete *Faculty Code of Conduct* (*Code*), part of the *University of California Academic Personnel Manual*, is available in **APM 015** (PDF). A portion of the Code outlines faculty obligations to students.

Faculty Code of Conduct

Ethical Principles

> As teachers, the professors encourage the free pursuit of learning of their students. They hold before them the best scholarly standards of their discipline. Professors demonstrate respect for students as individuals and adhere to their proper roles as intellectual guides and counselors. Professors make every reasonable effort to foster honest academic conduct and to assure that their evaluations of students reflect each student's true merit. They respect the confidential nature of the relationship between professor and student. They avoid any exploitation, harassment, or discriminatory treatment of students. They acknowledge significant academic and scholarly assistance from them. They protect their academic freedom.
>
> *—1966 AAUP statement, revised 1987*

The integrity of the faculty-student relationship is the foundation of the University's educational mission. This relationship vests considerable trust in the faculty member, who, in turn, bears authority and accountability as mentor, educator, and evaluator. The unequal institutional power inherent in this relationship heightens the vulnerability of the student and the potential for coercion. The pedagogical relationship between faculty member and student must be protected from influences or activities that can interfere with learning consistent with the goals and ideals of the University. Whenever a faculty member is responsible for academic supervision of a student, a personal relationship between them of a romantic

or sexual nature, even if consensual, is inappropriate. Any such relationship jeopardizes the integrity of the educational process.

In this section, the term *student* refers to all individuals under the academic supervision of faculty.

Types of Unacceptable Conduct

Failure to meet the responsibilities of instruction, including

a. arbitrary denial of access to instruction
b. significant intrusion of material unrelated to the course
c. significant failure to adhere, without legitimate reason, to the rules of the faculty in the conduct of courses, to meet class, to keep office hours, or to hold examinations as scheduled
d. evaluation of student work by criteria not directly reflective of course performance
e. undue and unexcused delay in evaluating student work

Discrimination, including harassment, against a student on political grounds or for reasons of race, color, religion, sex, sexual orientation, gender, gender expression, gender identity, ethnic origin, national origin, ancestry, marital status, pregnancy, physical or mental disability, medical condition (cancer-related or genetic characteristics), genetic information (including family medical history), or service in the uniformed services as defined by the Uniformed Services Employment and Reemployment Rights Act of 1994 (USERRA), as well as state military and naval service, or, within the limits imposed by law or University regulations, because of age or citizenship or for other arbitrary or personal reasons.

Sexual violence and sexual harassment, as defined by University policy, of a student.

Violation of University policy, including the pertinent guidelines, applying to nondiscrimination against students on the basis of disability.

Use of the position or powers of a faculty member to coerce the judgment or conscience of a student or to cause harm to a student for arbitrary or personal reasons.

Participating in or deliberately abetting disruption, interference, or intimidation in the classroom.

Entering into a romantic or sexual relationship with any student for whom a faculty member has, or should reasonably expect to have in the future, academic responsibility (instructional, evaluative, or supervisory). A faculty member should reasonably expect to have in the future academic responsibility (instructional, evaluative, or supervisory) for (1) students whose academic program will require them to enroll in a course taught by the faculty member; (2) students known to the faculty member to have an interest in an academic area within the faculty member’s academic expertise; or (3) any student for whom a faculty member must have academic responsibility (instructional, evaluative, or supervisory) in the pursuit of a degree.

Exercising academic responsibility (instructional, evaluative, or supervisory) for any student with whom a faculty member has a romantic or sexual relationship.

Charges of Violation

If a student has reason to believe that a faculty member has violated the Faculty Code of Conduct, the student has several options. The student may report the alleged violator to the chair of the department or to the dean of the division or school, seek mediation with the Office of Ombuds Services, or seek advice from the Senate's Grievance Advisory Committee. If the alleged violation involves grading or other student evaluation, the student may file a grading grievance. If the violation involves sexual harassment, sexual violence, or discrimination, the violation should be reported to the Civil Rights Office. If the student feels that formal discipline may be warranted, the student may so inform the chair of the department, or the dean of the division or school, or may file a charge themselves with the Academic Senate Charges Committee. If the student seeks remedies based on the alleged violations, the student should work with the Office of the Dean of Students.

Disclosure of Student Records

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Pursuant to the federal Family Educational Rights and Privacy Act (FERPA), the California Information Practices Act, and the University of California Policies Applying to the Disclosure of Information from Student Records, students at UCLA have the right to

1. inspect and review records pertaining to themselves in their capacity as students, except as the right may be waived or qualified under federal and state laws and University policies
2. have withheld from disclosure, absent their prior written consent for release, personally identifiable information from their student records, except as provided by federal and state laws and University policies
3. inspect records maintained by UCLA of disclosures of personally identifiable information from their student records
4. seek correction of their student records through a request to amend the records or, if such request is denied, through a hearing
5. file complaints with the U.S. Department of Education regarding alleged violations of the rights accorded them by FERPA

UCLA, in accordance with federal and state laws and University policies, has designated the following categories of personally identifiable information as public information that UCLA may release and publish without the student's prior consent: name; e-mail address; telephone numbers; major field of study; dates of attendance; number of course units in which enrolled; degrees and honors received; the most recent previous educational institution attended; participation in officially recognized activities (including intercollegiate athletics); and the name, weight, and height of participants on intercollegiate athletic teams.

As a matter of practice, UCLA does not publish student telephone numbers in the online UCLA Campus Directory unless released by the student. The term *public information* in this policy is synonymous with the term *directory information* in FERPA.

Students who do not wish certain items (i.e., name, e-mail address, telephone numbers, major field of study, dates of attendance, number of course units in which enrolled, and degrees and honors received) of this public information released and published may so indicate through **MyUCLA**. To restrict the release

and publication of additional items in the category of public information, complete the UCLA FERPA Restriction Request form available from the Registrar's Office, 1113 Murphy Hall.

Student records that are the subject of federal and state laws and University policies may be maintained in a variety of offices, including the Registrar's Office, Office of Student Conduct, Career Center, Graduate Division, External Affairs Department, and offices of a student's College or school and major department. Students are referred to the ***UCLA Campus Directory***, which lists all the UCLA offices that may maintain student records, together with their campus address and telephone number. Students have the right to inspect their student records in any such office, subject to the terms of federal and state laws and University policies. Inspection of student records maintained by the Registrar's Office is by appointment only and must be arranged three working days in advance. Call 310-825-1091, option 6; or inquire at the Registrar's Office, 1113 Murphy Hall.

A copy of applicable federal and state laws and University policies may be requested from the **Information Practices** office by e-mail, or by calling 310-794-8741. For copies, send **e-mail** or call 310-794-8741. Information concerning students' hearing rights may be obtained from that office, and from the Office of Student Conduct, 1206 Murphy Hall.

College of Letters and Science Overview

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Adriana Galván, PhD, ***Dean of Undergraduate Education***
Miguel A. García-Garibay, PhD, ***Senior Dean and Dean of Physical Sciences***
Tracy L. Johnson, PhD, ***Dean of Life Sciences***
Alexandra Minna Stern, PhD, ***Dean of Humanities***
Abel Valenzuela, PhD, ***Dean of Social Sciences***

College of Letters and Science
2300 Murphy Hall
310-825-9009

UCLA is one of the world's premier universities. At the core of UCLA research programs, graduate training, and undergraduate instruction is the College of Letters and Science. With over 30,300 students and more than 900 faculty members, the College is the largest academic unit in the UC system and the academic heart of UCLA.

The undergraduate programs in the College stress a liberal arts education that brings together perspectives from many fields in a unified approach to learning. Students learn ways that issues are analyzed, questions are posed, and knowledge is organized. After sampling many general subjects, they concentrate on one field or subject and are required to pursue it rigorously and in depth, according to the standards of scholars in the field. When they reach the graduate level, they pose their own questions, analyze academic issues of their own making and, through their research, participate in the creation of knowledge.

Organization of the College

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The College of Letters and Science is organized in five divisions, each led by a dean.

Humanities Division

The **Humanities Division** promotes—through scholarly inquiry and the transmission of ideas—sensitive, imaginative, and rigorous reflection on the human condition. Courses in literature help students understand the enduring power of texts both great and small—from cuneiform to manuscript to hypertext. Studies of nearly 100 foreign languages create a gateway to civilizations that span the globe and five millennia of human history. Philosophers offer training in the fundamental principles of logic and moral reasoning, and linguists—both theoretical and applied—illuminate the physiological, cognitive, and social aspects of human language. Art historians explore with students the forms and media through which humans have sought to express themselves and to challenge and make sense of their worlds. Programs in the humanities teach students to interpret texts with an informed sensitivity, to evaluate ideas critically, to write clearly and effectively about them, and to be able to question and discuss them with their peers.

Life Sciences Division

Faculty members and students in the **Life Sciences Division** play an essential role in unlocking the basic mechanisms of life at the most fundamental level. The geography of Southern California is conducive to life sciences research, since the diverse region is a natural laboratory for environmental biologists, plant and animal ecologists, and evolutionary biologists. Scientists in microbiology and molecular, cell, and developmental biology study embryo formation, cell signaling, and genetics. Neurochemists, neurophysiologists, psychobiologists, and behavior biologists study the underlying mechanisms of the neural basis of behavior. Physiological scientists examine the structure of muscle, hormonal control of behavior, and environmental conditions, such as weightlessness, that affect bone and muscle structure

and function. Cognitive psychologists are concerned with the nature of knowledge—how people learn, remember, associate, and think; and how computers relate to human thought processes.

Physical Sciences Division

Departments in the **Physical Sciences Division** present the results of human efforts to understand the natural sciences and their physical aspects, including the properties and characteristics of matter and energy; the science of numbers and order; the origin and structure of the universe, solar system, and Earth; and climatic change and its environmental impact. The bases for the physical sciences are the fundamental laws and proof of mathematics, chemistry, and physics. Studies in the physical sciences are experimental, theoretical, observational, and computational. Faculty members and students are interested in such topics as the nature and evolution of the galaxies; ozone depletion; nuclear winter; greenhouse effect; molecular recognition, interactions, design, synthesis, and structure; evolution of life and the continents; computational mathematics and symbolic logic; superconducting materials; plasma fusion, space plasmas; and high-energy accelerator physics.

Social Sciences Division

Majors in the **Social Sciences Division** help students make sense of the rapidly changing world around them by giving them the tools and sensibilities to appreciate the complex interplay of individuals, environment, culture, and economy that makes up their social world. They study human and animal evolution, as well as the transformation of human societies from small groups to states. They explore and debate the meaning of cultural, ethnic, and racial identities in historical and contemporary settings. Some majors challenge students to analyze the role of labor, markets, and exchange, as well as the dynamics of political choices, participation, and institutions. Communication, from interpersonal conversation to mass media, and its impact on personal and political behavior are studied in different fields, while the impact of place and the natural environment are examined through geography. Underlying all of these topics is a drive to capture the elusive nature of human behaviors and relationships through direct observation and the questioning of prevailing theories. In addition, students learn exciting and diverse methods of social and environmental analysis, such as archaeology, linguistics, statistics, game theory, remote sensing and imagery, textual analysis, ethnography, geographic information systems, fieldwork, and ecology.

Undergraduate Education Division

The **Undergraduate Education Division** is a campuswide advocate for undergraduate education, promoting academic success for the diverse undergraduate population at UCLA and ensuring options for all students to engage in a challenging array of educational opportunities, from foundational general education courses to advanced research and capstone projects.

Academic Advancement Program

The **Academic Advancement Program** (AAP) is a multiracial, multiethnic, and multicultural program that promotes academic excellence through academic counseling, learning sessions, and mentoring. Students are eligible for AAP if their academic profiles and personal backgrounds may impact their experience and their retention and graduation from UCLA.

Center for Academic Advising in the College

The **Center for Academic Advising in the College** (CAAC) encompasses programs and initiatives that foster student and staff development. CAAC partners with students to engage them in their undergraduate careers and to support their personal, professional, and academic growth; while also advising them on academic regulations and procedures, course selection, preparation for graduate and professional programs, selection of appropriate majors, and the options and alternatives available to enhance a UCLA education.

Center for Community Engagement

The **Center for Community Engagement** serves faculty members, undergraduate students, and community partners through academic courses and programs, including credit-bearing internships, community-engaged learning courses, community-based research, AmeriCorps programs, and the Astin Community Scholars Program. It is home to the undergraduate minor in Community Engagement and Social Change.

Center for Scholarships and Scholar Enrichment

The **Center for Scholarships and Scholar Enrichment** (CSSE) is designed to help students in the search for private scholarships, regardless of financial aid eligibility. The center also houses the Phi Beta Kappa Office.

Honors Programs

Honors Programs offers academic programs and services designed to promote an outstanding honors education, including College Honors, Honors Collegium, Departmental Scholar Program, Individual Majors Program, Honors Scholarships, Honors Research Stipends, and specialized counseling and support services for College honors students.

New Student and Transition Programs

New Student Sessions are the first introduction to UCLA for new students. During the three-day, first-year student sessions—and the one-day transfer student sessions—a unique set of comprehensive and engaging programs is offered to make student transitions to UCLA great ones.

Transfer Alliance Program

The **Transfer Alliance Program** (TAP) seeks to strengthen academic ties between UCLA and honors programs in over 45 California community colleges, offering specialized transfer programs for participating students.

Undergraduate Education Initiatives

Undergraduate Education Initiatives are innovative programs designed for undergraduate students that feature best practices in undergraduate education and attract the most distinguished faculty members from all UCLA areas. Programs include UCLA General Education, *Fiat Lux* Freshman Seminar Program, Cluster Program, Undergraduate Student Initiated Education Program, and Writing II Program.

Undergraduate Research Centers

Undergraduate Research Centers (URC)—one for students in the arts, humanities, social sciences, and behavioral sciences; and one for students in science, engineering, and mathematics—exist as part of a continuing effort by the College to engage undergraduate students in research and creative activities at all levels.

Undergraduate Degree and University Requirements

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Degree programs in the College offer students a variety of intellectual challenges by combining a wide distribution of courses and the opportunity to specialize in one particular field. To this end, students are required to select lower-division courses that furnish general foundations of human knowledge. In upper-division courses, they concentrate on one major field of interest.

As described below, College students must satisfy UC requirements, College requirements, and department requirements for the Bachelor of Arts or Bachelor of Science degree.

College of Letters and Science
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

College Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. Foreign Language
7. Diversity

8. General Education
    - Foundations of Arts and Humanities
    - Foundations of Society and Culture
    - Foundations of Scientific Inquiry

Department Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, College, or department requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. Students who do not satisfy the Entry-Level Writing requirement prior to enrollment must pass an approved course or other program prescribed by their UC campus of residence. Only after satisfying the Entry-Level Writing requirement can they take an English composition course for transfer credit after enrolling at UCLA. See **degree requirements** in Undergraduate Study for details.

College Requirements

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There are eight requirements that must be satisfied for award of a degree.

Unit Requirement

Students must satisfactorily complete for credit a minimum of 180 units for the bachelor's degree. At least 60 of the 180 units must be upper-division courses numbered 100 through 199. A maximum of 216 units may be permitted. Advanced Placement Examination and International Baccalaureate Examination (transfer) credits are not counted toward the unit maximum.

Scholarship Requirement

Students must earn at least a 2.0 (C) grade-point average (GPA) in all courses undertaken at UCLA to receive a bachelor's degree. Students must also earn a 2.0 GPA in a major and satisfy both the course and scholarship requirements for that major, including preparation for the major. Some majors have additional requirements.

Academic Residence Requirement

Thirty-five of the final 45 units completed for the bachelor's degree must be earned while in residence at the College. A minimum of 24 upper-division units must be completed in the major while in residence at the College. The academic residence requirements apply to both continuing and transfer students.

Foreign Language Requirement

The foreign language requirement may be satisfied by one of the following methods: completing a college-level foreign language course equivalent to level three or above at UCLA with a C or Passed or better grade; or scoring 3, 4, or 5 on the College Board Advanced Placement (AP) foreign language examination in Chinese, French, German, Italian, Japanese, or Spanish, or scoring 4 or 5 in Latin, thereby earning College credit; or presenting a UCLA foreign language departmental examination score indicating competency through level three. Consult the Schedule of Classes or the appropriate department for times and places of regularly scheduled examinations. Students who wish to demonstrate proficiency in a language taught in a UCLA department that has no scheduled examination should contact the appropriate department to arrange for one. Students who wish to take an examination in a language not taught at UCLA should contact a College adviser.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the foreign language and reciprocity requirements.

Courses that may be used to fulfill this requirement are published on the Registrar's **foreign language requirement** web page.

Diversity Requirement

The **diversity requirement** may be satisfied by completing one course from the faculty-approved list of courses. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable). Applicable courses may also fulfill major, minor, or elective requirements; and if approved for general education (GE) credit, may fulfill a GE requirement. A list of approved courses is available in the **Schedule of Classes**.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the College writing requirement.

Students admitted to the College are required to complete a two-term writing requirement—Writing I and Writing II. Two courses in English composition are required for graduation. Both courses must be taken for letter grades, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Qualifying examination scores and courses are determined by the College Faculty Executive Committee.

Writing II

The Writing II requirement must be satisfied within seven terms of enrollment by completing one course from a list of **Writing II courses** approved by the College Faculty Executive Committee; see the

Registrar's **Writing II requirement** web page for details. Courses that satisfy the requirement are denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses may also fulfill preparation for the major requirements and, if approved for general education (GE) or diversity credit, may also fulfill a GE or diversity requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I, Writing II, and reciprocity requirements. No transfer student is admitted to the College without completing, with a C or better grade (a C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

Quantitative Reasoning Requirement

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The quantitative reasoning requirement may be satisfied by completing one approved UCLA course (see list below) or an equivalent course within the first seven terms of enrollment. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable).

The requirement may also be satisfied by achieving an SAT Mathematics section score of 620 or better, or an SAT Subject Test in Mathematics score of 550 or better, or an ACT Mathematics Test score of 26 or better. Approved UCLA courses and examinations, and qualifying scores, are determined by the College Faculty Executive Committee.

Applicable courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the quantitative reasoning and reciprocity requirements. No transfer student is admitted to the College without completing, with a C or better grade (a C− grade is not acceptable), a college-level quantitative reasoning course that Undergraduate Admission accepts as equivalent to those approved by the College Faculty Executive Committee. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Applicable courses may also fulfill major, minor, or elective requirements; and if approved for diversity or writing, may fulfill the diversity requirement and/or Writing II requirement.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Ten courses (47 units minimum) are required. GE-approved Writing II courses may fulfill an appropriate foundational area. See the foundational area descriptions below for a breakdown of courses required.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement, complete 40 percent of their general education requirements, earn 18 units of credit toward the College Honors program with B or better grades, and receive laboratory/demonstration credit where appropriate.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. Courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities, and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Four courses, two from each subgroup. One 5-unit course from either subgroup must include laboratory credit. Other courses in the subgroups may be 4 units:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, contact an academic adviser or see the **master list**.

College of Letters and Science
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences 2 courses
Physical Sciences 2 courses
One of the four courses must be 5 units and carry laboratory credit. Other courses in the subgroups may be 4 units.
Total = 17 units minimum

Total GE 10 courses/47 units minimum

Advanced Placement Examination Credit

Students may not use Advanced Placement (AP) Examination credit to satisfy the College 10-course foundational area general education requirement. See the College **AP table**. Consult with a departmental adviser for applicability of AP credit toward course equivalencies or satisfaction of preparation for the major requirements.

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses and have met all GE requirements prior to enrolling at UCLA are not required to complete the College GE requirements. Written verification from the dean at the other UC campus is required. Consult with a College adviser regarding eligibility for this option.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all GE and proficiency requirements, excluding diversity, are fulfilled when students complete the IGETC courses.

Students who are unable to complete one or two IGETC courses prior to transfer may request certification of partial completion of IGETC from their community college. On certification, each of the remaining courses must be completed with a minimum C or Passed or better grade in each. Students who fail to complete the remaining IGETC coursework or who are otherwise not eligible for IGETC or partial IGETC must complete the College GE and proficiency requirements. Consult with a college adviser regarding GE requirements prior to enrolling in any courses.

Department Requirements

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College of Letters and Science departments generally set two types of requirements that must be satisfied for award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Departments also set requirements for minors and specializations.

Preparation for the Major

Admission to a major may require completion of a set of courses known as preparation for the major. Some majors admit applicants to pre-major status until requisite courses are satisfactorily completed. Students in life sciences majors must complete a set of preparatory courses known as the Life Sciences core curriculum. Each department sets its own preparation for the major and eligibility requirements; see **majors**.

The Major

A major in the College consists of a group of coordinated upper-division courses and is designated as departmental, interdepartmental, or individual. Each course applied toward the major and preparation for the major must be taken for a letter grade unless otherwise stipulated by the department. Students who have been away from UCLA for several terms should consult with their major department or curriculum adviser concerning the requirements under which they are to graduate.

A major consists of a minimum of 36 upper-division units and a maximum of 75 upper-division units. The majors are established and supervised by campus departments. Each department sets its own major requirements; see **majors**.

Individual Capstone Majors

If students have some unusual but definite academic interest for which no suitable major is offered at UCLA, and have completed at least three terms of work (45 units minimum) at UCLA with a grade-point average of 3.4 or better, they may petition for an individual capstone major. The consent of College Honors Programs and the sponsorship of two faculty advisers are required. Individual majors must be approved by the dean for undergraduate education.

The individual major must consist of at least 48 and no more than 60 upper-division units, a majority of which must be in departments offering a major in the College. A capstone senior thesis of at least 8 but no more than 12 units is required. For details about individual majors, contact **Honors Programs**, A311 Murphy Hall.

Double Majors

Students in good academic standing and on track to graduate on time may be permitted to have a double major, consisting of majors from two departments within the College. Both majors must be completed within the maximum limit of 216 units and time to degree, and students must obtain the approval of both departments and the College.

With few exceptions, double majors in the same department are unacceptable. No more than 20 upper-division units may be shared by both majors.

Minors and Specializations

Students may choose to pursue a minor to complement their major program of study. Minors consist of no fewer than seven courses (28 units) and no more than nine courses (36 units). Some minors also have admission requirements.

The Computing specializations are sequences of supplemental courses that enhance work in a major.

See the list of **minors**; descriptions appear in **individual departments**.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing and progress.

Study List

The study list is a record of classes that a student is taking during a particular term. The allowable study list load is up to 19 units. After the first term, students may petition to enroll in more than 19 units if they attained at least a 3.0 grade-point average the preceding term in a total program of at least 15 units and have an overall grade-point average of 3.0.

First-term transfer students from any other UC campus may carry excess units on the same basis as students who have completed one or more terms at UCLA; however, they are not encouraged to do so.

Degree Progress

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UCLA is a full-time institution, and it is expected that students complete their undergraduate degree requirements promptly. In order to encourage on-time graduation and support a quality education that is accessible, undergraduate students in the College are allowed to enroll through spring or summer of their fourth year (for students admitted as first years) or fall of their third year (for students admitted as transfers). Students may request an exception from their academic advising unit by submitting a petition for additional time if needed based on documented extenuating circumstances.

The Degree Audit is a record of degree requirements and the courses taken to fulfill them. Students are responsible for monitoring their progress toward the degree. They must read and understand the *UCLA General Catalog*, and consult regularly with College and departmental advisers to confirm they are satisfying all program requirements. Departmental advisers advise students on progress and completion of the major requirements. Academic advisers and counselors in College Academic Counseling, Academic Advancement Program, Honors Programs, and CAC-Athletics Counseling assist students with College requirements, degree planning, and Degree Audits on request. Students can also view the **Degree Audit** through MyUCLA.

Expected Cumulative Progress

During a regular term of enrollment, undergraduate students in the College are required to enroll in a minimum of 13 units. Students are also required to meet cumulative progress unit expectations as outlined in the **expected cumulative progress table**.

The following courses count toward minimum progress and expected cumulative progress, as well as any other degree requirement, but are exempt from the maximum unit limit of 216:

- Any 19, 88S, 89, 89HC, M97X, 98X, 98XA, 98XB, 99, 189, 189HC, 190, 193, and 194
- Honors Collegium 101D, 101E, and 101G
- Research Practice 192B and 194A

- Science Education 1XP and 10XP
- University Studies 10A, 10B, 10C, 10D, 10E, 10F, and 30

Reduced Fee Programs

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While full-time study is expected and required of students, some students may qualify for part-time study due to compelling reasons of occupation, home and family responsibilities, or health. Under this policy, part-time status is defined as 10 or fewer units per term based on enrolled units at the end of the third week, and is presumed to be of a permanent nature. On approval of part-time status, a reduction of tuition by one half and a reduction of nonresident supplemental tuition by one half are approved.

To be eligible for part-time study, students must provide documentation of occupation, home and family responsibility, or health that prevents them from carrying a full-time study load; as well as documentation of a need for part-time study for a minimum of three consecutive terms. Once approved for part-time study, students must complete two courses totaling 10 units or fewer in each of the three consecutive terms. Only under documented extraordinary circumstances is a one-course study list approved. Documentation must specify that a one-course study list is warranted.

Students should submit a **request for reduced fees** with the Registrar's Office. The application for part-time study must be submitted with accompanying documentation by Friday of the second week of the term. Students approved for part-time study who become enrolled in or receive credit for more than 10 units during a term must pay full fees for that term.

Major Policies

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Declaring a Major

Students are expected to select a major by the beginning of their junior year. This may be a program of related upper-division courses within a single department (departmental major) or a group of related courses involving a number of departments (interdepartmental major) or, under certain circumstances, a group of courses selected to meet a special need (individual capstone major).

Some entering freshmen are unsure about specific academic goals and request to be admitted to the College as “undeclared.” These students then explore fields of study by taking introductory courses in the physical and life sciences, social sciences, and humanities in search of an area that most excites their interest. UCLA encourages all students, even those who may have a specific major in mind, to explore the vast array of disciplines and fields that are available.

All students with 90 or more units toward a degree are expected to declare a pre-major or a major. Students should contact the department to ensure they are on track and meet eligibility requirements. When they are ready to do so, students obtain approval from the department or interdepartmental degree committee that governs their intended major.

Changing a Major

Students in good academic standing who wish to change their major may petition to do so, provided they can complete the new major and are on track to graduate on time. Admission to certain majors may be closed or restricted. Changes are normally not permitted if students are not in good academic standing or have begun their last term. Students should consult the department regarding eligibility and admission procedures.

Students who fail to meet eligibility or major requirements may be denied the privilege of entering or continuing in that major. Some departments may have higher grade-point requirements for their preparation and major courses or other restrictions; consult with the appropriate department regarding minimum standards and eligibility requirements.

Re-entering Students and Their Majors

Students returning to UCLA to resume their studies after an absence of several years may find their previous major area of study is no longer available. They must select a current major in which to complete their studies. Consult with an academic adviser for assistance.

Credit Limitations

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The following credit limitations apply to all undergraduate students enrolled in the College. In many cases, units are not deducted until the final term before graduation. Students with questions should consult with an academic adviser.

Transfer students with credit from other institutions (advanced standing credit) receive a Degree Audit from Undergraduate Admission indicating the transferable units from former institutions. However, the following credit limitations may reduce the total number of transferred units that apply toward the degree in the College. Consult with an adviser in the **College** about these limitations.

Advanced Placement Examinations

Advanced Placement (AP) Examination credit may not be applied toward a degree unless students had less than 36 units of credit at the time of the examination(s). See the College **AP table** for UCLA course equivalents and credit allowed for GE requirements.

College Level Examination Program

Credit earned through the College Level Examination Program (CLEP) and through the California State University English Equivalency Examination may not be applied toward the bachelor's degree.

Community College/Lower Division Transfer Limitation

After completing 105 lower-division quarter units toward the degree in all institutions attended, students are allowed no further unit credit for courses completed at a community college or for lower-division courses completed at any institution outside of the University of California.

Credit by Examination

Within the College, eligibility for credit by examination is usually limited to students who have been approved as Departmental Scholars or who are admitted to a departmental honors program or Honors Programs. Students who have completed a minimum of 12 units at UCLA with a minimum 3.5 overall grade-point average may petition for credit by examination. The examination for that course must be taken successfully before students may petition for credit by examination in another course.

Students may receive credit by examination for only one course out of 10 courses completed. Credit by examination may not be used to gain credit for prior knowledge, audited courses, or courses taken elsewhere. Units for a course taken by examination are applied toward the 216-unit maximum allowable units for graduation. Petitions for credit by examination (with fee) are available only through an appointment with a counselor in Honors Programs, A311 Murphy Hall.

Education Abroad Program

Students participating in the Education Abroad Program may receive a maximum of 56 units of credit toward the degree including units earned in an Intensive Language Program.

Foreign Language

Credit is not allowed for completing a less advanced course in grammar and/or composition after students have received credit for a more advanced course. College credit for an international student's native language and literature is allowed for courses taken in native colleges and universities or upper-division (advanced language courses only) and graduate courses taken at the University of California or another English-speaking institution of approved standing. No credit is allowed for lower-division courses.

Performance Courses

No more than 12 units of music and/or dance performance courses (Dance 5, 6 through 16, 56 through 65, C109A, C113A, 114, C115, 116, Ethnomusicology 68A through 68Z, 91A through 91Z, 161A through 161Z, 168A through 168Z, Music 50, 60A through 61C, 160A through 161C, C185A through C186C, and World Arts and Cultures 114) may be applied toward the bachelor's degree, whether taken at UCLA or another institution.

Physical Education

No more than 4 units in physical education activities courses may be applied toward the bachelor's degree.

Physics Courses

Any two or more courses from Physics 1A, 1AH, 5A, and 6A are limited to a total of 6 units of credit.

ROTC Courses

For students contracted in the Aerospace Studies Department, 36 units of aerospace studies credit may be applied toward the requirements for the bachelor's degree; for students contracted in the Military Science Department, 26 units of military science credit may be applied; for students contracted in the Naval Science Department, 26 units of naval science credit may be applied.

Statistics Courses

Credit is allowed for only one of Statistics 10, 12, 13, 15 (or former 10H, 11, or 14), and a maximum of 8 units for any combination of introductory statistics courses taken at UCLA and another institution.

Upper-Division Tutorials

No more than 8 units of credit may be taken per term in upper-division tutorials numbered 195 through 199. The total number of units allowed in such courses for a letter grade is 32; see specific restrictions under each course.

300- and 400-Level Courses

No more than 8 units in the 300 and 400 series of courses may be applied toward the bachelor's degree. Credit is not granted for X300 and X400 courses taken at UCLA Extension.

Academic Advising Services

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The College offers academic advising and counseling to help students develop and thrive, both personally and academically, through individual meetings with an adviser in their advising unit: Academic Advancement Program, CAC-Athletics, College Academic Counseling, or Honors Programs. College advisers work with students to plan their programs, understand requirements and regulations, learn about available resources, navigate the university, and maximize their undergraduate careers.

Academic Advancement Program

Academic Advancement Program (AAP) values student diversity and fosters student empowerment. **AAP counselors** assist students in planning an academic program and meeting College and UC requirements. They also monitor degree progress and connect students with campus resources and opportunities. Counselors are available for scheduled or same-day appointments. Visit 1205 Campbell Hall or call 310-825-1481.

AAP peer counselors offer peer support and an undergraduate-focused view of life at UCLA. They also can assist students with planning an academic program and navigating campus resources.

CAC-Athletics

CAC-Athletics advisers are assigned to work with UCLA NCAA varsity student-athletes. Each team is assigned a specific advisor. The role of each adviser is to provide academic advising in the areas of program planning, academic difficulty advising, petitioning degree requirements, and major selection. CAC-Athletics advisers support students as they explore academic and personal goals, and aim to empower them to take ownership of their educational experience. CAC-Athletics advisers are trained to support students academically with NCAA regulations in mind.

CAC-Athletics is located in the Office of Academic Excellence (OAE) in Suite 127 of the JD Morgan Center. Student-athletes can contact this office at (310) 825-8699 or by **Message Center**.

College Academic Counseling

College Academic Counseling (CAC) is committed to making students' campus life and learning experience a positive one. Academic advising helps students develop and thrive both personally and academically in individual meetings, workshops, and other events to plan their programs, understand requirements and regulations, learn about available resources, navigate UCLA, and maximize their undergraduate careers. From orientation to graduation, CAC offers information, assistance, and support so that students can make well-informed decisions about their course of study and degree progress as well as to engage in their undergraduate careers effectively. For additional information or advising, students may come to A316 Murphy Hall, Monday through Thursday from 10:00 a.m. to 2:00 p.m. and Friday 10:30 a.m. to 2:00 p.m.; or visit **REACH Virtual Advising**.

College Academic Mentors work with first- and second-year students and new transfers for academic advising, choosing a major, and preparing for graduate or professional school. Students can also visit **CAC Peer Counselors** at various locations around campus for quick questions on degree requirements, rules and regulations, deadlines, petitions, and more.

Honors Programs

Honors Programs offers academic counseling and student advising services in a welcoming, safe, and supportive environment. Honors counselors are specially trained professionals with whom students collaborate for pre- and post-graduate planning; while Honors student affairs advisors assist students in navigating the various university processes, rules, and regulations.

Students are welcome to visit the Honors Programs office, A-311 Murphy Hall.

Honors

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College undergraduate students who achieve scholastic distinction may qualify for the following honors and programs.

College Honors

The highest academic recognition the College confers on its undergraduate students is **College Honors**, which is awarded to graduating seniors who successfully complete the College Honors program and who have an overall University of California grade-point average of 3.5 or better. The program offers exceptional undergraduate students an opportunity to pursue individual excellence.

Dean’s Honors

The Dean’s Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean’s Honors on student records: a 3.927 grade-point average (GPA) in any one term, with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean’s Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade. Dean’s Honors are automatically recorded on the transcript for the appropriate term.

Departmental Honors

Individual departments and programs in the College offer departmental honors. Admission and curricular requirements vary according to the department or program. See the **individual department** for details, and consult with a departmental adviser about procedures and arrangements. Students who successfully complete the requirements graduate with departmental honors or highest honors.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor's degree with Latin honors. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average (GPA) at graduation that places them in the top 20 percent of College graduates (GPA of 3.927 or better) for *cum laude*, the top 10 percent (GPA of 3.969 or better) for *magna cum laude*, or the top five percent (GPA of 3.992 or better) for *summa cum laude*. Coursework taken on the Education Abroad Program is applied toward Latin honors at graduation. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year (fall, winter, spring, summer) determine student eligibility. Students should consult their Degree Audits, or the Registrar's **honors** web page, for the most current Latin honors calculations.

Departmental Scholar Program

Departments may nominate exceptionally promising undergraduate students (juniors and seniors) as UCLA **Departmental Scholars** to pursue bachelor's and master's degrees simultaneously. Qualifications include completion of 24 courses (96 quarter units) at UCLA or the equivalent at a similar institution, the requirements in preparation for the major, and eligibility to participate in the College Honors program. Students must also have at least one term of coursework remaining at UCLA. To obtain both the bachelor's and master's degrees, students must be provisionally admitted to the Graduate Division, fulfill requirements for each program, and maintain a minimum 3.0 (B) GPA. No course may be used to fulfill requirements for both degrees. Interested students should consult with their department well in advance of application dates for graduate admission. For more information, contact the Honors Programs Office in A311 Murphy Hall.

Graduate Study

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The **College of Letters and Science** offers graduate students a variety of opportunities for academic pursuit, faculty-sponsored research, and fieldwork relative to specific programs and career goals.

With Division of Graduate Education approval and subject to UCLA minimum requirements, each department sets its own standards for admission and other requirements for award of master's and doctorate degrees. For complete degree requirements, see **program requirements for UCLA graduate degrees**.

For information on proficiency in English requirements for international graduate students, see **graduate admission**.

David Geffen School of Medicine Overview

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Steven M. Dubinett, MD, *Dean*

Geffen School of Medicine
1400 Geffen Hall
310-825-6081
School admissions e-mail

The top-ten-ranked David Geffen School of Medicine at UCLA is internationally recognized as a leader in research, medical education, and patient care. Along with the UCLA Health hospitals and facilities, the school is affiliated with more than a dozen major Southern California health care institutions.

Medical Programs

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The Geffen School of Medicine offers an MD degree program and postgraduate medical training programs; its faculty members participate in the Graduate Programs in Bioscience. Additional master's and doctorate degrees are offered through the UCLA Graduate Division.

MD Degree Program

The Doctor of Medicine (MD) degree program is a four-year medical curriculum that prepares students broadly for careers in research, practice, and teaching in the medical field of their choice. For details on the MD curriculum, see the **current curriculum**. For information about applying to the program, see the **application** web page or contact the David Geffen School of Medicine Admissions Office, Suite 305 Geffen Hall, Los Angeles, CA 90095-7035.

Articulated Degree Programs

The Geffen School of Medicine and the Graduate Division offer the **Medical Scientist Training Program**, an articulated degree program that allows students to earn both the MD and PhD in about eight years, depending on the course of study and research. The PhD may be awarded in one of several medical or social sciences fields.

An articulated program with the Fielding School of Public Health allows students to earn both the MD and MPH degrees in five years. The program includes four years of medical school and one year plus one additional quarter at the Fielding School of Public Health. Separate application must be made to the Fielding School of Public Health during the second year of medical school. For more information on applying to the MPH, see the **Fielding School's admissions** web page.

Concurrent Degree Programs

Concurrent programs with the Anderson Graduate School of Management and Luskin School of Public Affairs allow UCLA medical students to earn both the MD and **MBA** degrees, or MD and **MPP** degrees, over five years by following a designated course of study and some shared coursework. Separate application must be made to the Anderson Graduate School of Management or Luskin School of Public Affairs during the second year of medical school.

Partnerships

Extending medical education to a broader segment of tomorrow's physicians and researchers, the Geffen School of Medicine admits a select group of students into two innovative partnership programs. In addition to completing the requirements for the MD degree, students engage in specialized coursework and/or projects designed to fulfill the mission of each program.

Charles Drew/UCLA Medical Education Program

The mission of the **Charles Drew University (CDU)/UCLA Medical Education Program** is to train students to practice medicine with competence and compassion in disadvantaged rural and urban communities. Each year 24 students are admitted to the program. Students complete their pre-clerkship training at the UCLA campus, and complete their clinical work in specially designated training centers in medically underserved communities and at UCLA and affiliated hospitals.

UCLA PRIME Program

The **UCLA PRIME Program** is a five-year, dual-degree program to develop leaders in medicine who address policy, care, and research issues in health care for underserved populations. A commitment to serve and experience in working with diverse medically disadvantaged populations is paramount. The program leads to the MD and a master's degree in areas that complement the mission of the program. Each year 18 students are admitted to the class.

Postgraduate Medical Training

Postgraduate medical training programs, including residencies, are offered through all the clinical departments at UCLA and the affiliated training hospitals such as Harbor-UCLA, Cedars-Sinai, and Greater Los Angeles VA System. Programs at the affiliated institutions broaden the scope of the teaching programs by offering extensive clinical facilities, special population settings, and diverse practice modes. Information about these programs is available from the individual clinical departments of the Geffen School of Medicine or the affiliated hospitals.

Semel Institute for Neuroscience and Human Behavior

The **Semel Institute** is one of the world's leading interdisciplinary research and education institutes devoted to the understanding of complex human behavior. Fourteen research centers ranging from genetics to human culture, together with research initiatives distributed widely across the academic departments of the Geffen School of Medicine and the College of Letters and Science, offer a comprehensive and outstanding research and training environment for the study of neuroscience and behavior.

The research portfolio of the 400 faculty members, graduate students, and fellows who work in the institute spans behavioral genetics, developmental neurobiology, cognitive neuroscience, neuropharmacology, brain imaging, clinical research, health policy, and sociocultural studies of human behavior and its disorders.

Henry Samueli School of Engineering and Applied Science Overview

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Ah-Hyung (Alissa) Park, PhD, *Dean*

Samueli School of Engineering and Applied Science

6426 Boelter Hall
310-825-9580

Founded in 1945, the UCLA Henry Samueli School of Engineering and Applied Science is committed to providing a rigorous hands-on engineering education to undergraduate and graduate students. Recognized internationally as a top-tier school in the field, UCLA Samueli is the birthplace of the Internet and has developed breakthrough technologies in aerospace systems, wireless communication, solar energy, clean water, and much more. As part of the top-ranked public university, the school is committed to a core mission of education, research, and service.

UCLA Samueli supports dynamic programs in traditional and new disciplines, and pursues cutting-edge research in areas such as precision medicine and bioengineering, sustainable and resilient urban systems, advanced materials and manufacturing, robotics and cyberphysical systems, computer networking and cybersecurity, artificial intelligence and machine learning, and data science. Partnerships across campus reflect the school's commitment to a wide range of interdisciplinary activities in health care, business, public policy, and more.

Students receive their education through lectures, hands-on experience in makerspace and laboratories, and capstone projects that develop real-world problem-solving skills. The undergraduate degree curriculum also exposes students to the humanities, social sciences, life sciences, and the arts. It includes a technical breadth requirement, designed to provide students with working knowledge of a technical field

outside their major. The school emphasizes that engineers and computer scientists must uphold high ethical standards in creating and managing technology, and is committed to mentoring students from diverse backgrounds and experiences. Opportunities exist for students to gain exposure to entrepreneurship and commercialization of technologies. Undergraduate students are encouraged to participate in industrial internships and academic research. Students are committed to a high standard of achievement and service to society, consistent with the mission of UCLA.

Departments and Programs

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The Henry Samueli School of Engineering and Applied Science has seven departments that offer study in aerospace engineering, bioengineering, chemical engineering, civil engineering, computer engineering, computer science, computer science and engineering, electrical and computer engineering, electrical engineering, manufacturing engineering, materials engineering, and mechanical engineering. Undergraduate programs in aerospace engineering, bioengineering, chemical engineering, civil engineering, computer science and engineering, electrical engineering, materials engineering, and mechanical engineering are accredited by the Engineering Accreditation Commission of **ABET**. The computer science and computer science and engineering programs are accredited by the Computing Accreditation Commission of **ABET**. The undergraduate program in computer engineering, established in fall 2017, will be submitted to ABET for accreditation during the next ABET visit in the fall of 2024.

For specific programs, see **each department**; or refer to the school ***Announcement*** available from the **Office of Academic and Student Affairs**, 6426 Boelter Hall.

Undergraduate Admission

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Applicants for admission to the school must satisfy the UC admission requirements as outlined in **degree requirements**. Students must apply directly to the Henry Samueli School of Engineering and Applied Science by selecting one of the majors within the school or the undeclared engineering option (only available to freshmen). In the selection process, many elements are considered including grades, academic preparation, achievement and ability in science, technology, engineering, and mathematics (STEM), ability to succeed in a rigorous program, demonstrated interest in STEM, and the potential to become a supportive member of an inclusive community that values diversity and welcomes members from all genders and all ethnic, religious, and economic backgrounds.

Applicants are accepted at either the freshman or junior level.

Admission as a Freshman

Freshman applicants must meet the UC subject and scholarship requirements described on **undergraduate admission**. UC requirements specify a minimum of three years of mathematics, including the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Additional study in mathematics, concluding with calculus or precalculus in the senior year, is strongly recommended and typical for applicants to UCLA Samueli.

Credit for Advanced Placement Examinations

Students may fulfill part of the school requirements with credit allowed at the time of admission for College Board Advanced Placement (AP) Examinations with scores of 3, 4, or 5. Students with AP Examination credit may exceed the 213-unit maximum by the amount of this credit. AP Examination credit for freshmen entering in fall quarter 2019 fulfills requirements as published on the school **AP table**.

Students who have completed 36 quarter units after high school graduation at the time of the examination receive no AP Examination credit.

Admission as a Junior

Students who begin their college work at a California community college are expected to remain at the community college to complete the lower-division requirements in chemistry, computer programming, English composition, mathematics, physics, and the recommended engineering courses before transferring to UCLA. Transfer students who have completed the recommended lower-division program in engineering at California community colleges normally can complete the remaining requirements for one of the BS degrees in two to three academic years of full-time study. Students who select certain majors, such as Computer Science and Engineering or Chemical Engineering, may be required to complete additional lower-division courses for the major sequence.

Lower-Division Requirements

Applicants to the school in junior standing should have completed 90 quarter units (60 semester units) in good standing, including the following lower-division minimum subject requirements:

1. Chemistry courses equivalent to Chemistry and Biochemistry 20A, 20B, 20L at UCLA (only Chemistry and Biochemistry 20A is required for the Electrical Engineering major; the Bioengineering and Chemical Engineering curricula also require Chemistry and Biochemistry 30A, 30AL, 30B). The Computer Engineering, Computer Science, and Computer Science and Engineering majors do not require chemistry
2. Mathematics courses equivalent to Mathematics 31A, 31B, 32A, 32B, 33A, 33B at UCLA. The Aerospace Engineering and Mechanical Engineering majors do not require Mathematics 33B
3. Physics courses equivalent to Physics 1A, 1B, 1C, 4AL, 4BL at UCLA, depending on curriculum selected
4. Computer programming: applicants to the Computer Engineering, Computer Science, Computer Science and Engineering, and Electrical Engineering majors may take any C++, C, or Java course to meet the admission requirement, but to be competitive the applicant must take a C++ course equivalent to Computer Science 31 at UCLA. Applicants to Chemical Engineering may take any C++, C, Java, or MATLAB course to satisfy the admission requirement, but lack of a MATLAB course equivalent to Mechanical and Aerospace Engineering M20 or Civil and Environmental Engineering M20 at UCLA will delay time to graduation. Applicants to all other engineering majors may take any C++, C, Java, or MATLAB course to satisfy the admission requirement, but the MATLAB course equivalent to Mechanical and Aerospace Engineering M20 or Civil and Environmental Engineering M20 is preferred
5. At least one general education (GE) course in the arts, humanities, or social sciences as required to be UC eligible

Transfer students must also complete a course equivalent to English Composition 3 at UCLA and a second UC-transferable English composition course.

All lower-division requirements should be completed by the end of the spring term prior to anticipated enrollment at UCLA.

Transfer Credit

Students transferring to the school from institutions that offer instruction in engineering subjects in the first two years, particularly California community colleges, may be given credit for certain engineering core requirements.

Many sophomore courses in circuit analysis, strength of materials, and properties of materials may satisfy Civil and Environmental Engineering 108, Electrical and Computer Engineering 100, and Materials Science and Engineering 104 requirements respectively. Students should check with the **Office of Academic and Student Affairs**, 6426 Boelter Hall.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and department requirements for the Bachelor of Science degree.

School of Engineering
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

School Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Engineering Writing
5. Technical Breadth
6. Ethics Requirement
7. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture
   - Foundations of Scientific Inquiry

Department Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, school, or department requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy in order to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. See **degree requirements** in Undergraduate Study for details.

School Requirements

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There are seven requirements that must be satisfied for award of a degree.

Unit Requirement

The minimum units allowed for students is between 180 and 185, depending on the program. The maximum allowed is 213 units.

After 213 quarter units, enrollment may not normally be continued in the school without special permission from the associate dean. This regulation does not apply to Departmental Scholars.

Scholarship Requirement

Students must earn at least a 2.0 (C) grade-point average in all courses taken at any UC campus. In addition, at least a 2.0 grade-point average must be achieved in total upper-division required courses and total upper-division engineering courses. See a counselor in 6426 Boelter Hall for details.

Academic Residence Requirement

Of the last 48 units completed for the BS degree, 36 must be earned in residence at the Samueli School of Engineering and Applied Science on this campus. No more than 16 of the 36 units may be completed in summer sessions at UCLA.

Technical Breadth Requirement

The technical breadth requirement consists of a set of three courses providing sufficient breadth outside the student's core program. A list of school Faculty Executive Committee-approved technical breadth requirement courses is available from the **Office of Academic and Student Affairs**, and deviations from that list are subject to approval by the associate dean for Academic and Student Affairs. None of the technical breadth requirement courses selected by students can be used to satisfy other major course requirements.

Ethics Requirement

The ethics and professionalism requirement is satisfied by completing one course from Engineering 182EW, 183EW, 184, 185EW, 186, 186W, or 188EW. Civil Engineers can alternately satisfy this requirement by taking Civil and Environmental Engineering 109EW. Aerospace Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering majors can alternately satisfy this requirement by taking Engineering 2.

Courses with a W or EW suffix may be applied toward the Engineering Writing requirement with a C or better grade (a C– or Passed grade is not acceptable).

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Engineering Writing. Both courses must be taken for a letter grade, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied by the end of the second year of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Engineering Writing

The Engineering Writing requirement is satisfied by selecting one approved engineering writing (EW) course from the school writing course list or by selecting one approved Writing II (W) course. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable). Writing courses are published in the **Schedule of Classes**.

Applicable Writing courses also approved for general education credit may fulfill the relevant general education foundational area.

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Students may take one GE course per term on a Passed/Not Passed (P/NP) basis if they are in good academic standing and are additionally enrolled in nine letter-graded units. For details on P/NP grading, see **Grades** in Policies and Regulations or consult with a counselor in the **Office of Academic and Student Affairs**.

GE tracks offer an opportunity to meet degree requirements by taking a specified set of related courses (typically three to five) to explore a topic or theme of interest in greater depth, resulting in a coherent and more meaningful set of learning experiences.

GE courses used to satisfy the engineering writing and/or ethics requirements must be taken for a letter grade.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Five courses (24 units minimum) are required. Engineering writing requirement courses also approved for GE credit may be applied toward the relevant GE foundational areas.

Students must meet with a counselor in the **Office of Academic and Student Affairs** to determine the applicability of GE cluster courses toward the engineering writing or GE requirements.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Two 5-unit courses selected from two different subgroups:

Literary and Cultural Analysis

Philosophical and Linguistic Analysis

Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. The courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Two 5-unit courses, one from each subgroup:

Historical Analysis

Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

One course (4 units minimum) from the Life Sciences subgroup or one course from Bioengineering CM145/Chemical Engineering CM145, Chemistry and Biochemistry 153A, or Civil and Environmental Engineering M166/Environmental Health Sciences M166:

Life Sciences

This requirement is automatically satisfied for Bioengineering and Chemical Engineering majors. The requirement is satisfied for Civil Engineering majors by the natural science requirement.

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, consult with an academic counselor or see the **master list**.

School of Engineering
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis
Philosophical and Linguistic Analysis
Visual and Performance Arts Analysis and Practice 2 courses
Total = 10 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Total = 10 units minimum

Foundations of Scientific Inquiry

Life Sciences 1 course
Total = 4 units minimum

Total GE 5 courses/24 units minimum

Engineering writing requirement courses also approved for GE credit may be applied toward the relevant GE foundational areas.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all UCLA GE requirements are fulfilled when students complete the IGETC courses. Students who select the IGETC must complete it entirely before enrolling at UCLA. Otherwise, they must fulfill the Henry Samueli School of Engineering and Applied Science GE requirements. The school does not accept partial IGETC.

Department Requirements

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Departments generally set two types of requirements that must be satisfied for award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Preparation for the major courses should be completed before beginning upper-division work.

Preparation for the Major

A major requires completion of a set of courses known as preparation for the major. Each department sets its own preparation for the major requirements; see the **individual department**.

The Major

Students must complete their major with a scholarship grade-point average of at least 2.0 (C) in all courses in order to remain in the major. Each course in the major department must be taken for a letter grade. See **majors** for details on each major.

Minors and Double Majors

Students in good academic standing may be permitted to have a minor or double major. The second major must be outside the school (e.g., Electrical Engineering major and Economics major). If approved, no more than 20 upper-division units may be shared by both majors. Students are not permitted to have a double major with two school majors (e.g., Chemical Engineering and Civil Engineering). For minors, 20 units must be unique to the minor and may not apply toward any other major or minor. Students may file an undergraduate request to double major or add minor form at the **Office of Academic and Student Affairs**. The school determines final approval of a minor or double major request; review is done on a

case-by-case basis, and filing the request does not guarantee approval. Students interested in a minor or double major should meet with their counselor in 6426 Boelter Hall.

While minor and double major requests are considered, specializations are not considered.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

The study list is a record of classes that a student is taking during a particular term. It is the student's responsibility to present a study list that reflects satisfactory progress toward the degree. Study lists or programs of study that do not comply with the standards set by the faculty may result in enforced withdrawal from UCLA or other academic action. Study lists require approval of the dean of the school or a designated representative.

Undergraduate students in the school are expected to enroll in at least 12 units each term. Students enrolling in fewer than 12 units must obtain approval by petition to the dean before enrolling in classes. The normal program is 16 units per term. Students may not enroll in more than 21 units per term unless an Excess Unit Petition is approved in advance by the dean.

Minimum Progress

Full-time undergraduate students must complete a minimum of 36 units in three consecutive terms in which they are registered.

Concurrent Enrollment

Concurrent enrollment—defined as taking courses during regular sessions (fall, winter, and spring quarters) for credit at UCLA and, at the same time, at a non-UC institution, including UCLA Extension—is not permitted except in extraordinary circumstances; and no credit is given for such courses unless the approval of UCLA Samueli has been obtained by petition prior to enrollment.

Special concurrent enrollment programs with other UC campuses, and intersegmental enrollment programs with California State University (CSU) or California Community College (CCC) schools, are available to eligible students.

Credit Limitations

The following credit limitations apply to all undergraduate students enrolled in the school:

Advanced Placement Examinations

Some portions of Advanced Placement (AP) Examination credit are evaluated by corresponding UCLA course number. If students take the equivalent UCLA course, a deduction of UCLA unit credit is made prior to graduation. See the school **AP table**.

College Level Examination Program

Credit earned through the College Level Examination Program (CLEP) may not be applied toward the bachelor's degree.

Community College/Lower Division Transfer Limitation

After completing 105 lower-division quarter units toward the degree in all institutions attended, students are allowed no further unit credit for courses completed at a community college or for lower-division courses completed at any institution outside of the University of California. The University of California does not grant transfer credit for community college or lower-division courses beyond 105 quarter units, but students may still receive subject credit for this coursework to satisfy lower-division requirements. Units earned through Advanced Placement (AP), International Baccalaureate (IB), and/or A-Level examinations are not included in the limitation. Units earned at any UC campus (through extension, summer, cross-campus, UCEAP, Intercampus Visitor Program, and regular academic year enrollment) are not included in the limitation. To convert semester units into quarter units, multiply the semester units by 1.5; for example, 12 semester units × 1.5 = 18 quarter units. To convert quarter units into semester units, multiply the quarter units by .666; for example, 12 quarter units × .666 = 7.99 or 8 semester units.

Foreign Language

No credit is granted toward the bachelor's degree for college foreign language courses equivalent to quarter levels one and two if the equivalent of level two of the same language was completed with satisfactory grades in high school.

Repetition of Courses

For undergraduate students who repeat a total of 16 or fewer units, only the most recently earned letter grades and grade points are computed in the grade-point average (GPA). After repeating 16 units, the GPA is based on all letter grades assigned and total units attempted. The grade assigned each time a course is taken is permanently recorded on the transcript.

1. To improve the grade-point average (GPA), students may repeat only those courses in which they receive a C− or lower grade; NP or U grades may be repeated to gain unit credit. Courses in which a letter grade is received may not be repeated on a P/NP or S/U basis. Courses originally taken on a P/NP or S/U basis may be repeated on the same basis or for a letter grade.
2. Repetition of a course more than once requires the approval of the College or school or the dean of the Graduate Division and is granted only under extra-ordinary circumstances.
3. Degree credit for a course is given only once, but the grade assigned each time the course is taken is permanently recorded on the transcript.
4. There is no guarantee that in a later term a course can be repeated (such as in cases when a course is deleted or no longer offered). In these cases, students should consult with their academic counselor to determine if there is an alternate course that can be taken to satisfy a requirement. The alternate course would not count as a repeat of the original course.

Counseling Services

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Academic counselors in the **Office of Academic and Student Affairs** assist students with UCLA procedures and answer questions related to general requirements.

New undergraduate students must have their course of study approved by an academic counselor. After the first term, curricular and career advising is accomplished on a formal basis. First-year students are assigned a faculty adviser in their particular specialization.

In addition, undergraduate students are assigned, by major, to an academic counselor in the Office of Academic and Student Affairs who provides them with advice regarding general requirements for degrees, and UC, UCLA, and school regulations and procedures. It is the student's responsibility to periodically meet with their academic counselor to discuss curriculum requirements, programs of study, and any other academic matters of concern. Each student is also assigned a faculty adviser within the student's department. Students are required to meet with their faculty advisor at least once a year.

Students normally follow the curriculum in effect when they enter the school. California community college transfer students may also select the curriculum in the catalog in effect at the time they began their community college work in an engineering program, provided attendance has been continuous since that time.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors and programs:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.862 grade-point average (GPA) in any one term, with at least 15 units (12 units of letter grade). The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean's Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade, or repeat a course. Only courses applicable to an undergraduate degree are considered toward eligibility for Dean's Honors. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor's degree with honors. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained a cumulative grade-point average (GPA) at graduation that places them in the top 20 percent of the school (GPA of 3.862 or better) for *cum laude*, the top 10 percent (GPA of 3.934 or better) for *magna cum laude*, and the top five percent (GPA of 3.972 or better) for *summa cum laude*. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year determine student eligibility.

Based on grades achieved in upper-division courses applied to a specific school degree requirement, engineering students must also have a 3.862 GPA for *cum laude*, 3.934 for *magna cum laude*, and 3.972 for *summa cum laude*. For all designations of honors, students must have a minimum 3.25 GPA in their

major field upper-division courses. Upper-division courses that are not applied to a specific school BS degree requirement are excluded from these upper-division averages.

Departmental Scholar Program

Exceptionally promising juniors or seniors may be nominated as Departmental Scholars to pursue engineering bachelor's and master's degree programs simultaneously. Minimum qualifications include the completion of 24 courses (96 quarter units) at UCLA, or the equivalent at a similar institution; a minimum 3.7 grade-point average (GPA) in the major field upper-division courses and a minimum 3.7 cumulative GPA; and the requirements in preparation for the major. To obtain both the bachelor's and master's degrees, Departmental Scholars fulfill the requirements for each program. Students may not use any one course to fulfill requirements for both degrees.

For details, contact the **Office of Academic and Student Affairs** in 6426 Boelter Hall well in advance of application dates for admission to graduate standing.

Exceptional Student Admissions Program

There is an **Exceptional Student Admissions Program** (ESAP) for outstanding Samueli School undergraduates who wish to enter the school graduate program upon completion of the BS degree. ESAP is an alternative to the Departmental Scholar Program. In contrast to that program, an ESAP-admitted student would be an enrolled graduate student and would be eligible for consideration of graduate fellowships and teaching assistant positions if available.

Special Programs

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Extracurricular Activities

Students are encouraged to participate in UCLA extracurricular activities, especially those relevant to engineering such as the student engineering society (Engineering Society, University of California), student publications, and programs of the technical and professional engineering societies in the Los Angeles area.

The student body takes an active part in shaping policies of the school through elected student representatives on the school Faculty Executive Committee.

Women in Engineering

Among UCLA engineering students, women make up approximately 32 percent of the undergraduate and 26 percent of the graduate enrollment. Today's opportunities for women in engineering are excellent, as both employers and educators try to change the image of engineering as a males-only field. Women engineers are in great demand in all fields of engineering.

The **Society of Women Engineers** (SWE) is a not-for-profit educational and professional organization that empowers underrepresented groups to succeed and advance in the field of engineering. Through professional, outreach, advocacy, and technical opportunities for its members, SWE aims to promote diversity and inclusion in UCLA engineering. Its flagship events include the Evening with Industry, Hi Engineer! (outreach event), Engineers for Professionals Inclusions Conference (EPIC), and QWER Hacks. It also hosts many technical workshops, mentorship programs, and socials throughout the year to build a welcoming and tight-knit community.

Continuing Education

Continuing education in engineering is developed and administered by the UCLA Extension (UNEX) **Engineering Department** in close cooperation with Henry Samueli School of Engineering and Applied Science. The department offers evening classes, short courses, certificate programs, special events, and education and training at the workplace.

Graduate Study

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Admission

In addition to meeting the requirements of the Division of Graduate Education, applicants to graduate programs for some departments in the Samueli School of Engineering and Applied Science are required to take the General Test of the Graduate Record Examination (GRE). Specific information about the GRE may be obtained from the department of interest.

Students entering the PhD program are normally expected to have completed the requirements for the master's degree with at least a 3.25 grade-point average and to have demonstrated creative ability. Check with the department of interest for specific GPA requirements. Usually the MS degree is required for admission to the PhD program. Exceptional students, however, may be admitted directly to the PhD program upon receiving their BS degree. In most cases, the applicant is expected to obtain their MS degree along the way.

For information on the proficiency in English requirements for international graduate students, see **Graduate Study.**

To submit a graduate application, see **application for graduate admission**.

Master of Science in Engineering Online Degree

The Master of Science in Engineering online self-supporting degree program enables employed engineers and computer scientists to augment their technical education beyond the Bachelor of Science degree, and enhances their value to the technical organizations by which they are employed.

Master of Engineering Degree

The one-year Master of Engineering (MEng) is a self-supporting, professional degree designed to develop future engineering leaders. Tailored to those who wish to pursue technical management positions, the degree addresses the needs of both students and industry with high-tech skill set and management savvy. Students in the program develop technical mastery in emerging research areas, learning business and technology management skills while creating real-world projects with industry input.

Concurrent Degree Program

A concurrent degree program between the Henry Samueli School of Engineering and Applied Science and the Anderson Graduate School of Management allows students to earn two master's degrees simultaneously: the MBA and the MS in Computer Science. Students should contact the Office of Academic and Student Affairs for details.

PhD Degrees

The PhD programs prepare students for advanced study and research in the major areas of engineering and computer science. All candidates must fulfill the minimum requirements of the Division of Graduate Education. Major and minor fields may have additional course and examination requirements. For more information, contact the individual departments.

Fields of Study

Established fields of study for the PhD are listed below. With the support of an adviser, students may propose any other field of study to their department. Instructions on the definition of acceptable ad hoc fields and procedures for their approval are available in each department office.

Bioengineering Department

Biomedical data sciences; biomedical devices and instrumentation; biomedical image processing (biomedical imagining hardware development and biomedical signal and image processing); molecular, cellular, and tissue engineering; neuroengineering

Chemical and Biomolecular Engineering Department

Chemical engineering

Civil and Environmental Engineering Department

Civil engineering materials, environmental engineering, geotechnical engineering, structural/earthquake engineering and mechanics, transportation engineering, water resources and coastal engineering

Computer Science Department

Artificial intelligence, computational systems biology, computer networks, computer science theory, computer system architecture, data science computing, graphics and vision, software systems

Electrical and Computer Engineering Department

Circuits and embedded systems, physical and wave electronics, signals and systems

Materials Science and Engineering Department

Ceramics and ceramic processing, computational materials science, electronic and optical materials, soft materials, structural materials

Mechanical and Aerospace Engineering Department

Applied mathematics, applied plasma physics, and data science and machine learning (established minors fields only); design, robotics, and manufacturing; fluid mechanics; micro-nano engineering; structural and solid mechanics; systems and control; thermal science and engineering

Graduate Certificate of Specialization

The school offers a Certificate of Specialization in all areas, except computer science. Requirements for admission are the same as for the MS degree.

Each graduate certificate program consists of five 100- or 200-series courses, at least two of which must be at the graduate level. No work completed for any previously awarded degree or credential may be applied toward the certificate. Successful completion of a certificate program requires an overall minimum 3.0 (B) grade-point average in all courses applicable to the certificate. In addition, graduate certificate candidates are required to maintain a minimum 3.0 (B) grade-point average in 200-series courses used in the program. A minimum of three terms of academic residence is required. The time limitation for completing the requirements of a certificate program is two calendar years. Details about certificate programs may be obtained from each department office.

Courses completed in the school for a Certificate of Specialization may subsequently be applied toward master’s and/or doctorate degrees.

Graduate Degree Requirements

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Graduate degree information is updated annually in **program requirements for UCLA graduate degrees**.

Lower-division courses may not be applied toward graduate degrees. In addition, most departments do not allow courses that are required for a BS degree in engineering to count toward a graduate degree. Consult the departmental graduate affairs office for more information.

Individual departments may impose certain restrictions on the applicability of other undergraduate courses toward graduate degrees. Consult with the graduate adviser on departmental requirements and restrictions.

Major Fields or Subdisciplines

The MS program focuses on one major field. The major fields and subdisciplines offered at the MS level in most cases parallel those listed for the PhD program. There are some differences (for example, manufacturing engineering in the Department of Mechanical and Aerospace Engineering is offered only at the MS level). Students should contact the specific department regarding possible differences between the MS and PhD fields and subdisciplines. Students are free to propose to the school any other field of study, with the support of their adviser.

Course Requirements

A total of nine courses is required for an MS degree, including a minimum of five graduate courses. (Some fields require more than five; obtain specific information from the department of interest.) A majority of the total formal course requirement and of the graduate course requirement must consist of school courses. In the thesis plan, seven of the nine courses must be formal courses, including at least four from the 200 series. The remaining two courses may be 598 courses involving work on the thesis. In the

comprehensive examination plan, at least five of the nine courses must be in the 200 series; the remaining four courses may be either 200-series graduate or upper-division undergraduate courses. No 500-series courses may be applied toward the comprehensive examination plan requirements.

Thesis Plan

The thesis must either describe some original piece of research that students have done, usually but not necessarily under the supervision of the thesis committee; or supply a critical exposition of some topic in their major field of study. Students would normally start to plan the thesis at least one year before award of the MS degree is expected. There is no examination under the thesis plan.

Comprehensive Examination Plan

For information on the comprehensive examination plan for each department, see **program requirements for UCLA graduate degrees**.

Herb Alpert School of Music Overview

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Eileen L. Strempel, DM, *Dean*

Alpert School of Music
2539 Schoenberg Music Building
310-825-4761

First of its kind in the UC system, the UCLA Herb Alpert School of Music focuses on scholarship, performance, composition, pedagogy, and understanding of music in all its contemporary and historical diversity.

With its three outstanding departments of Ethnomusicology, Music, and Musicology—and interdepartmental programs for Global Jazz Studies and Music Industry—the Herb Alpert School of Music aspires to educate the whole student through productive collaboration between performance and scholarship; a cross-cultural, global understanding of the art of music; and preparatory training for a broad range of careers in music after graduation.

Public concerts, lectures, symposia, master classes, and musical theater and opera productions are hallmarks of the school. Each department hosts a calendar of events open to the entire community, enriching the lives of both those on stage and those in the audience, and contributing to the quality of life in Los Angeles and beyond.

Schoenberg Music Building includes the Lani Hall (recital hall) and Schoenberg Hall (main concert hall), both fully equipped for audio recording. The building also houses the Music Library, Ethnomusicology Archive, Ethnomusicology Laboratory, Henry Mancini Media Laboratory, World Instrument Collection, and Herbie Hancock Institute of Jazz Performance, as well as numerous classrooms, practice rooms, orchestra room, band room, choral room, organ studio, and ethnomusicology performance rooms.

The Evelyn and Mo Ostin Music Center includes a high-technology recording studio, spaces for rehearsal and teaching, a café and social space for students, and an Internet-based music production center.

Departments and Programs

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Students in the Ethnomusicology Department study the performance and context of music-making from a global perspective. The Music Department offers majors in Music Composition, Music Education, and Music Performance. The Musicology Department offers students a broad understanding of the history and culture of music. The school also houses two interdepartmental degree programs in Global Jazz Studies and Music Industry.

The school is also home to four undergraduate minors. The Musicology minor offers undergraduates an overview of music history and the study of music. Students may select from a wide variety of undergraduate courses that range through the history of European and American music. The Music Industry minor introduces students to critical perspectives on the formative effects the music industry and music technology have on musical practices around the world. The Ethnomusicology minor gives students who are interested in the culture of music a unique opportunity to participate in a hands-on educational experience. Students perform in ensembles, explore the world's instruments, and study global traditions. The Iranian Music minor introduces students to the rich variety of musical expressions in Iran and the Iranian diaspora by combining hands-on musical experiences with academic study. Students take advantage of three ensembles to study the performative, improvisatory, and experimental aspects of Iranian traditional and popular music.

Information regarding academic programs is available from the **Office of Student Affairs**, 1642 Schoenberg Music Building.

Teaching Credentials

Students interested in obtaining instructional credentials for California elementary and secondary schools should contact the **Teacher Education Program**, 1009 Moore Hall.

Undergraduate Admission

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In addition to the UC undergraduate application, some departments require auditions, interviews, portfolios, or evidence of creativity. Information regarding departmental requirements is available on each department website; see the school **undergraduate admission** web page. After the UC application has been submitted, applicants need to submit supplemental application material and should consult the individual department website for details.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and department requirements for the Bachelor of Arts and Bachelor of Music degrees.

School of Music
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

School Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. Foreign Language
7. Diversity
8. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture

Foundations of Scientific Inquiry

Department Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, school, or department requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy in order to graduate:

Entry-Level Writing or English as a Second Language, and American History and Institutions. See **degree requirements** in Undergraduate Study for details.

School Requirements

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Unit Requirement

Students must complete for credit, with a passing grade, no fewer than 180 units and no more than 216 units, of which at least 60 units must be upper-division courses (numbered 100 through 199). Credit for upper-division tutorials numbered 195 through 199 is limited to a maximum of 24 units total for a letter grade, 8 of which may be applied toward the major.

Scholarship Requirement

A 2.0 (C) grade-point average is required in all work attempted at the University of California, exclusive of courses in UCLA Extension and those graded Passed/Not Passed. A 2.0 (C) grade-point average is also required in all upper-division courses in the major taken at the University of California, as well as in all courses applied toward the general education and UC requirements.

Academic Residence Requirement

Students are in residence while enrolled and attending classes at UCLA with a declared major in the Herb Alpert School of Music. Of the last 45 units completed for the bachelor's degree, 35 must be earned while in residence at the school. No more than 18 of the 35 units may be completed in UCLA summer sessions.

Courses offered by UCLA Extension may not be applied toward any part of the residence requirement.

Foreign Language Requirement

Students may meet the foreign language requirement by scoring 3, 4, or 5 on the College Board Advanced Placement (AP) foreign language examination in Chinese, French, German, Italian, Japanese, or Spanish, or scoring 4 or 5 on the AP foreign language examination in Latin; presenting a UCLA foreign language proficiency examination score indicating competency through level three; or completing one college-level foreign language course equivalent to level three or above or American Sign Language 1, 2, and 3, or 8 at UCLA with a C or Passed or better grade. The foreign language requirement must be completed within the first six terms of enrollment.

International students may petition to use an advanced course in their native language for this requirement. Students whose entire secondary education has been completed in a language other than English may petition to be exempt from the foreign language requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the foreign language and reciprocity requirements.

Courses that may be used to fulfill this requirement are published on the Registrar's **foreign language requirement** web page.

Diversity Requirement

The diversity requirement is predicated on the notion that students in music must be trained to understand the local, national, and global realities in which they make, understand, interpret, and teach music. Those realities include the multicultural, transnational, and global nature of contemporary society. To satisfy the requirement, students must complete one course from the faculty-approved list of diversity courses (available in the **Schedule of Classes**, through degree audits, or in the **Office of Student Affairs**). The course must be taken for a letter grade, and students must receive a C or better grade (a C− or Passed grade is not acceptable).

Applicable courses may also fulfill major, minor, or elective requirements and, if approved for general education (GE) credit, may fulfill a GE requirement. As such, students are not required to complete an additional course to satisfy the diversity requirement.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. The courses must be taken for letter grades, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Writing II

The Writing II requirement must be satisfied within the first seven terms of enrollment by completing one course from a faculty-approved list of **Writing II courses** and available on the student Degree Audit; see the Registrar's **Writing II requirement** web page for details. Courses that satisfy the requirement are

denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses may also fulfill preparation for the major or minor requirements and, if approved for general education (GE) credit, may also fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I, Writing II, and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

Quantitative Reasoning Requirement

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Students must demonstrate basic skills in quantitative reasoning. The requirement may be satisfied by completing one approved UCLA course (see list below) for a C or Passed or better grade (a C− or Not Passed grade is not acceptable).

The quantitative reasoning requirement may also be satisfied by achieving an SAT Mathematics section score of 620 or better, or an SAT Subject Test in Mathematics score of 550 or better.

If approved for general education (GE) credit, applicable courses may also fulfill a GE requirement. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Eight courses (38 units minimum) are required. A Writing II course also approved for general education may be applied toward the relevant general education foundational area.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement and complete nearly 50 percent of their general education requirements. Students who do not complete the year-long GE cluster series must meet with a counselor in the Office of Student Services and Enrollment Management to determine applicable GE credit.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup. Courses required to satisfy the major or other courses taken in the major field may be used to satisfy this GE requirement:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. The courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Two courses from either subgroup. If both courses are selected from the same subgroup, they must be from different departments:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, consult with an academic counselor or see the **master list**.

School of Music
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences/Physical Sciences 2 courses
Two courses from either subgroup. If both courses are selected from the same subgroup, they must be from different departments.
Total = 8 units minimum

Total GE 8 courses/38 units minimum

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses and have met all GE requirements prior to enrolling at UCLA are not required to complete the Herb Alpert School of Music GE requirements. Written verification from the dean at the other UC campus is required. Verification letters should be sent to UCLA Herb Alpert School of Music, **Office of Student Affairs**, Box 957234, Los Angeles, CA 90095-7234.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all UCLA GE requirements are fulfilled when students complete the IGETC courses. Students who select the IGETC must complete it entirely before enrolling at UCLA. Otherwise, they must fulfill the Herb Alpert School of Music GE requirements.

Department Requirements

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Departments generally set two types of requirements that must be satisfied for award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Preparation for the major courses should be completed before beginning upper-division work.

Preparation for the Major

A major requires completion of a set of courses known as preparation for the major. Each department sets its own preparation for the major requirements; see the **individual department**.

The Major

A major is composed of at least 36 units.

Students must complete their major with a grade-point average of at least 2.0 (C) in all courses in order to remain in the major. Each course in the major department must be taken for a letter grade.

As changes in major requirements occur, students are expected to satisfy the new requirements insofar as possible. Hardship cases should be discussed with the department adviser, and petitions for adjustment should be submitted to the dean of the school when necessary.

Minors and Double Majors

Students may petition for a minor and/or double major on an individual basis. Students should contact the **Office of Student Affairs** for an outline of criteria required for the petition.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

Each term the study list must include from 12 to 20 units. The school has no provision for part-time enrollment. After the first term, students may petition to carry more than 20 units if they have an overall grade-point average of 3.0 (B) or better and have attained at least a 3.0 (B) average in the preceding two terms with all courses passed. Students should contact the **Office of Student Affairs** no later than the end of the second week of instruction to petition for more than 20 units.

Minimum Progress

Students are expected to complete satisfactorily at least 40 units during any three consecutive terms in residence; they are placed on probation if they fail to pass these units. Students are subject to disqualification if they fail to pass at least 32 units in three consecutive regular terms in residence.

Changing a Major

Students in good academic standing who wish to change their major may petition to do so, provided they can complete the new major within the 216-unit limit and normal time to degree (12 terms for students who entered as freshmen; six terms for students who entered as transfers). Petitions must be submitted to and approved by the department or committee in charge of the new major. Admission to certain majors may be closed or restricted; changes are normally not permitted if students are on probation or have begun their last term.

Concurrent Enrollment

Enrollment at a non-UC institution or at UCLA Extension while enrolled at UCLA is not permitted.

Credit Limitations

The following credit limitations apply to all undergraduate students enrolled in the school:

Advanced Placement Examinations

Credit earned through the College Board Advanced Placement (AP) Examinations may be applied toward certain UC/school requirements. Consult with a counselor in the **Office of Student Affairs** to determine applicable credit. Portions of AP Examination credit may be evaluated by corresponding UCLA course numbers (e.g., French 4). If students take the equivalent UCLA course, unit credit for such duplication is deducted before graduation. See the school **AP table** for UCLA course equivalents.

Graduate Courses

Undergraduate students who wish to take courses numbered in the 200 series for credit toward a specific degree requirement must petition for advance approval of the department chair and dean of the school, and must meet specific qualifications. Courses numbered in the 400 and 500 series may not be applied toward the degree.

Counseling Services

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The school offers advising, program planning in the major and general education requirements, and individual meetings with school and departmental counselors. For counseling information, contact the **Office of Student Affairs**, 1642 Schoenberg Music Building, 310-825-4761.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors and programs:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.954 grade-point average (GPA), with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean's Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade, change a grade, or repeat a course. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Latin Honors are awarded at graduation to students with superior grade-point averages. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average (GPA) at graduation that places them in the top 20 percent of the school (GPA of 3.954 or better) for *cum laude*, the top 10 percent (GPA of 3.992 or better) for *magna cum laude*, or the top five percent (GPA of 4.000 or better) for *summa cum laude*. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year determine student eligibility. Students should contact the **Office of Student Affairs** or see the Registrar's **honors** web page for the most current Latin honors calculations.

Graduate Study

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The advanced degree programs offer graduate students unique research opportunities when combined with special resources, such as Young Research Library, Music Library special collections, and UCLA performance halls.

Fellowships, grants, and assistantships are available through the departments and the dean of the Graduate Division.

Admission

In addition to requiring that applicants hold a bachelor's degree from an accredited U.S. institution or an equivalent degree of professional title from an international institution, each department in the school has limitations and additional requirements. In general, samples of creative work (auditions, portfolios, computer programs, etc.) are required. Detailed information is available on individual department websites and on **program requirements for UCLA graduate degrees**.

For information on the proficiency in English requirements for international graduate students, see **international applicants** in Graduate Study.

Degree Requirements

Requirements to fulfill each degree objective vary according to the degree and the department. For complete degree requirements, see **program requirements for UCLA graduate degrees**.

John E. Anderson Graduate School of Management Overview

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Antonio E. Bernardo, PhD, *Dean*

Anderson Graduate School of Management
G415 Marion Anderson Hall
310-825-7982

Now more than ever, change is accelerating in our complex global marketplace, and technology plays a critical role. The mission of the UCLA John E. Anderson Graduate School of Management, which is consistently ranked among the best such schools in the nation, is to advance management thinking and prepare transformative leaders to make positive business and societal impacts. The school prepares its graduates to be forward thinkers who are adaptable and innovative problem solvers—fluent with technology and analytics—and who also have the soft skills to inspire others to make a positive difference, whether they are in the private, public, or not-for-profit sector.

Through its faculty, the school advances thought leadership by engaging in fundamental and cutting-edge research in all fields of management, and by educating scholars who can continue to create this new knowledge. The school also offers the business community a wide range of higher education programs and initiatives that promote state-of-the-art leadership in a variety of industries and fields.

Students come from diverse professional and educational backgrounds and seek equally diverse personal and professional goals. They graduate with a broad understanding of people and organizations and with a sound technical background in the economic and mathematical concepts of management planning and decision making.

The school offers seven programs leading to graduate degrees at the master's and doctoral levels. Each degree program is tailored to the experience level, knowledge, skillset, and career ambition of the students. These include a full-time Master of Business Administration (MBA), as well as three part-time MBA programs for working professionals including the Fully Employed MBA program for mid-level and

emerging senior leaders, the Executive MBA program, and the UCLA-NUS Global Executive MBA program in partnership with the National University of Singapore (NUS) Business School, both designed for senior-level managers and executives. The school also offers a Master of Financial Engineering (MFE), a Master of Science (MS) in Business Analytics, and a PhD in Management (an MS degree may be earned in the process of completing PhD requirements). Certificate programs, including open enrollment and custom corporate programs, as well as research conferences and seminars for experienced managers, are offered through the Office of Executive Education.

The school also offers two undergraduate minors in **Accounting** and **Entrepreneurship**.

Executive Education

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Founded in 1954, UCLA **Anderson Executive Education** offers innovative learning solutions that focus on leadership, management, and strategy to meet the unique business objectives of individual executives and leading organizations worldwide. A wide array of custom and open-enrollment programs are offered across all delivery platforms including in-person, live-online, and blended formats.

Research and Outreach

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Research Centers

Eight interdisciplinary centers of research and excellence serve as forward-thinking intellectual hubs and provide a bridge between scholars, students, and industry professionals in specific areas of expertise: **Center for Global Management** (CGM); **Center for Media, Entertainment, and Sports**; **Easton Technology Management Center**; **Harold and Pauline Price Center for Entrepreneurship and Innovation**; **Laurence and Lori Fink Center for Finance**; **Morrison Center for Marketing and Data Analytics**; **UCLA Anderson Forecast**; and **Ziman Center for Real Estate**. These centers conduct research and connect thought leadership to management practice, disseminate knowledge, and provide opportunities for students. Centers also advance the public service mission of the university by helping to prepare the next generation of global leaders to address societal challenges on a local, national, or international scale. Collectively, the centers provide the knowledge, training, frameworks, and real-world experience necessary to succeed and respond to society's challenges.

Outreach Programs

A wide range of **outreach programs**—such as the Entrepreneurship Bootcamp for Veterans with Disabilities; Leaders in Sustainability Certificate Program; Management Development for Entrepreneurs (MDE); Impact@Anderson; Office of Equity, Diversity, and Inclusion; and Riordan Programs—offer many teaching, research, and service resources to UCLA, Los Angeles, and beyond.

Jonathan and Karin Fielding School of Public Health Overview

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Ronald S. Brookmeyer, PhD, *Dean*

Fielding School of Public Health
16-035 Center for Health Sciences
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The UCLA Jonathan and Karin Fielding School of Public Health is home to one of the brightest and most diverse public health student bodies in the U.S., with over 800 students hailing from 30 countries. The Fielding School of Public Health has five academic departments—Biostatistics, Community Health Sciences, Environmental Health Sciences, Epidemiology, and Health Policy and Management, and an interdeparmental degree program in Molecular Toxicology—and offers the Bachelor of Arts, Bachelor of Science, Doctor of Philosophy, Master of Data Science in Health, Master of Healthcare Administration, Master of Public Health, and Master of Science degrees. Additionally, concurrent and articulated degree programs and certificates enable students to gain specialized knowledge in areas such as global health, population and reproductive health, environmental health, and health care management and leadership. Students also have access to a wide range of local and global hands-on training opportunities that provide the skills needed to move public health evidence to action. The mission of the Fielding School of Public Health is to enhance the public's health by training future leaders and health professionals from diverse backgrounds, conducting innovative research, translating research into policy and practice, and serving local communities and those of the nation and the world.

The Fielding School of Public Health is among the top ten public health schools in the country, and offers superior public health training and real-world experience. School classrooms and laboratories are located in the Center for Health Sciences (CHS) shared with the Geffen School of Medicine, School of Dentistry, and School of Nursing, and just steps away from its science facilities and schools of engineering, law, management, and public affairs.

Los Angeles is a unique setting to address public health challenges confronting the global community. Los Angeles County has the largest population of any county in the U.S., and is one of the most populous metropolitan areas in the world. Its nearly 10 million residents represent more than 140 cultures and speak an estimated 224 languages.

Students at the Fielding School of Public Health learn from and collaborate with around 400 faculty members who are renowned leaders, experts and innovators in our community and at the state, national, and international level. The faculty not only teach tomorrow's public health practitioners and educators, but they create new knowledge in the field, contribute their expertise to legislators and public health leaders, prevent disease, and create programs that save millions of lives worldwide.

Departments

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The school offers graduate programs leading to both academic and professional degrees in five departments. The Department of Biostatistics develops statistical and analytical techniques for public health use. The Department of Community Health Sciences addresses behaviors that prevent disease and enhance health; health problems of high-risk groups (women, children, the aged, the poor, the disadvantaged, and racial and ethnic minorities); health education and promotion; public health policy; community nutrition; and international health. The Department of Environmental Health Sciences elucidates health hazards in the general environment and in the workplace. The Department of Epidemiology is concerned with the nature, extent, and distribution of disease and health in populations. The Department of Health Policy and Management deals with the organization, financing, delivery, quality, and distribution of health care services. The school also administers an interdepartmental degree program in molecular toxicology.

See the **individual department** for more information on each department.

Undergraduate Admission

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Admission as a Freshman

Freshmen are admitted with a declared pre-major in the College of Letters and Science. See the **individual department** for information on applying to the major.

Admission as a Junior

Transfer students are admitted directly to the Fielding School of Public Health.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and major requirements for the Bachelor of Arts or Bachelor of Science degree.

School of Public Health
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

School Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. Diversity
7. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture
   - Foundations of Scientific Inquiry

Major Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, College, or major requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. Students who do not satisfy the Entry-Level Writing requirement prior to enrollment must pass an approved course or other program prescribed by their UC campus of residence. Only after satisfying the Entry-Level Writing requirement can they take an English composition course for transfer credit after enrolling at UCLA. See **degree requirements** in Undergraduate Study for details.

School Requirements

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There are seven requirements that must be satisfied for award of a degree.

Unit Requirement

Students must satisfactorily complete for credit a minimum of 180 units for the bachelor's degree. At least 60 of the 180 units must be upper-division courses numbered 100 through 199. A maximum of 216 units is permitted. Advanced Placement Examination and International Baccalaureate Examination (transfer) credits are not counted toward the unit maximum.

Scholarship Requirement

Students must earn at least a 2.0 (C) grade-point average (GPA) in all courses undertaken at UCLA to receive a bachelor's degree. Students must earn a cumulative 2.0 GPA as well as a 2.0 GPA in preparation for the major and the major.

Academic Residence Requirement

Thirty-five of the final 45 units completed for the bachelor's degree must be earned while in residence at the school.

Students enrolled in the Education Abroad Program (EAP) must satisfy the residence requirement by earning 35 of their final 90 units in residence at the school.

Diversity Requirement

The **diversity requirement** may be satisfied by completing one course from the faculty-approved list of courses. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable). Applicable courses may also fulfill major, minor, or elective requirements and, if approved for general education (GE) credit, may fulfill a GE requirement. A list of approved courses is available in the **Schedule of Classes**.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. Two courses in English composition are required for graduation. Both courses must be taken for letter grades, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Qualifying examination scores and courses are determined by the school Faculty Executive Committee.

Writing II

The Writing II requirement must be satisfied within seven terms of enrollment by completing one course from a faculty-approved list of **Writing II courses**; see the Registrar's **Writing II requirement** web page

for details. Courses that satisfy the requirement are denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may also fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I, Writing II, and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

Quantitative Reasoning Requirement

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The quantitative reasoning requirement may be satisfied by completing one approved UCLA course (see list below) or an equivalent course within the first seven terms of enrollment. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable).

The requirement may also be satisfied by achieving an SAT Mathematics section score of 620 or better, or an SAT Subject Test in Mathematics score of 550 or better, or an ACT Mathematics Test score of 26 or better. Approved UCLA courses and examinations, and qualifying scores, are determined by the school Faculty Executive Committee.

Applicable courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the quantitative reasoning and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level quantitative reasoning course that Undergraduate Admission accepts as equivalent to those approved by the school Faculty Executive Committee. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Applicable courses may also fulfill major, minor, or elective requirements and, if approved for diversity or writing, may fulfill the diversity requirement and/or Writing II requirement.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Ten courses (47 units minimum) are required. GE-approved Writing II courses may fulfill an appropriate foundational area. See the foundational area descriptions below for a breakdown of courses required.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement, complete 40 percent of their general education requirements, and receive laboratory/demonstration credit where appropriate.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. Courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities, and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Four courses, two from each subgroup. One 5-unit course from either subgroup must include laboratory credit. Other courses in the subgroups may be 4 units:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, contact an academic adviser or see the **master list**.

School of Public Health
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences 2 courses
Physical Sciences 2 courses
One of the four courses must be 5 units and carry laboratory credit. Other courses in the subgroups may be 4 units.
Total = 17 units minimum

Total GE 10 courses/47 units minimum

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses and have met all GE requirements prior to enrolling at UCLA are not required to complete the school GE requirements. Written verification from the dean at the other UC campus is required. Consult with a school adviser regarding eligibility for this option.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all GE requirements are fulfilled when students complete the IGETC courses.

Major Requirements

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Major Requirements

Two types of requirements must be satisfied for the award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses).

Preparation for the Major

Admission to the majors requires an application with documented progress toward completing preparation for the major requirements. Students may elect to declare a Public Health pre-major in preparation for an application for admission to the program. See **majors**.

The Major

Major in the school consist of a group of coordinated upper-division courses of at least 40 units, but no more than 72 units.

Double Majors

Double majors in the Fielding School and other academic units are not permitted.

Minors

Students admitted to the Public Health majors may petition to add a minor provided they can complete the requirements within 216 units.

See the list of **minors**; descriptions appear in **individual departments**.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

The study list is a record of classes that a student is taking for a particular term. Each term the study list must include from 15 to 20 units. The school has no provision for part-time enrollment. After the first term, students may petition to enroll in more than 20 units (up to 30 units maximum) if they have an overall grade-point average of 3.0 (B) or better and have attained at least a 3.0 (B) grade-point average in the preceding term with all courses passed. Excess units petitions must be filed and approved by the Undergraduate Student Services Office no later than the end of the third week of instruction.

Minimum Progress

Students are expected to complete satisfactorily at least 36 units in any three consecutive terms while in residence; they are placed on probation if they fail to pass these units. They are subject to dismissal if they fail to pass at least 32 units in three consecutive regular terms while in residence.

Changing a Major

Admitted Public Health majors may petition to change from the BA to the BS (or BS to BA). Petitions must be submitted to the Undergraduate Student Services Office for consideration. Public Health majors in good academic standing who wish to change to a major outside the school must consult with the department or committee in charge of the desired major. Admission to certain majors may be closed or restricted. Changes are not normally permitted if students are not in good academic standing or have begun their last term.

Students who fail to attain a grade-point average of 2.0 (C) in preparation for the major or major courses may be denied the privilege of entering or continuing in that major.

Re-entering Students and Their Majors

Students returning to UCLA to resume their studies after an absence must consult with an academic adviser for assistance.

Concurrent Enrollment

Enrollment at a non-UC institution or UCLA Extension while enrolled at UCLA is not permitted except in extraordinary circumstances. No credit is given for courses taken concurrently elsewhere without the approval of the school.

Credit Limitations

The following credit limitations apply to all undergraduate students. In many cases, units are not deducted until the final term before graduation. Students with questions should consult with an academic adviser.

Transfer students with credit from other institutions (advanced standing credit) receive a Degree Audit from Undergraduate Admission indicating the transferable units from former institutions; however, the following credit limitations may reduce the total number of transferred units that apply toward the degree in the school. Consult with an adviser about these limitations.

Community College/Lower Division Transfer Limitation

After completing 105 quarter units toward the degree, students are allowed no further unit credit for courses completed at a community college.

Physical Education

No more than 4 units in physical education activities courses may be applied toward the bachelor’s degree.

Upper-Division Tutorials

No more than 8 units of credit may be taken per term in upper-division tutorials numbered 195 through 199, and a maximum of 32 units may be applied toward the degree. All courses numbered 199 must be taken for a letter grade.

Graduate Courses

Undergraduate students who wish to take courses numbered in the 200 series for credit toward a specific degree requirement must petition for advance approval of the program chair. Courses numbered in the 300, 400, and 500 series are not open for credit to undergraduate students.

Academic Advising Services

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The Fielding School of Public Health offers advising, program planning in the major and general education requirements, and individual meetings with school advisers. For advising information, contact the Undergraduate Student Services Office.

Honors

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School undergraduate students who achieve scholastic distinction may qualify for the following honors and programs.

School Honors

The highest academic recognition the Fielding School confers on its undergraduate students is School Honors, which is awarded to graduating seniors who successfully complete the School Honors program. Students are awarded School Honors or School Highest Honors at graduation.

Dean’s Honors

The Dean’s Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean’s Honors on student records: a 3.927 grade-point average (GPA), with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean’s Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade, change a grade, or repeat a course. Dean’s Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor’s degree with Latin honors. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average (GPA) at graduation that places them in the top 20 percent of school graduates (GPA of 3.927 or better) for cum laude, the top 10 percent (GPA of 3.969 or better) for magna cum laude, or the top five percent (GPA of 3.992 or better) for summa cum

laude. Coursework taken on the Education Abroad Program is applied toward Latin honors at graduation. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year (fall, winter, spring, summer) determine student eligibility. Students should consult their Degree Audits, or the Registrar's **honors** web page, for the most current Latin honors calculations.

Graduate Study

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Admission

The admissions criteria established by the university requires that an applicant hold a bachelor's degree from a regionally accredited institution, comparable in standard and content to a bachelor's degree from the University of California, with an overall scholastic average of B (3.0 on a 4.0 scale) or better—or its equivalent if the letter grade system is not used.

An international student whose post-secondary education is completed outside of the U.S. is expected to hold a degree with above average scholarship from a university or university-level institution.

Applicants must submit their application to both the centralized **Schools of Public Health Application Service** (SOPHAS) and UCLA Graduate Division. For additional admission requirements, see the **school application** web page.

Degree Requirements

Specific degree requirements vary according to the department and program. Refer to **program requirements for UCLA graduate degrees**.

Research Centers

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The field of public health addresses a wide range of issues, making it a natural for interdisciplinary collaboration. UCLA faculty members and students reach beyond traditional academic boundaries to promote cooperative exchange across disciplines. The following interdisciplinary centers are sponsored by or associated with the Fielding School of Public Health.

Biobehavioral Assessment and Research Center

The **Biobehavioral Assessment and Research Center** (BARC) promotes research on high impact science that the National Institute of Health (NIH) has identified as high-priority areas of public health research. With a team of multidisciplinary investigators, BARC utilizes and develops innovative biobehavioral and technological approaches that integrate behavioral measures/markers into intervention studies, prevention trials, and clinical science. BARC also supports incorporation of clinical and basic biomarkers into behavioral research and prevention science.

Bixby Center on Population and Reproductive Health

The **Bixby Center on Population and Reproductive Health** was established in 2001 at the UCLA Fielding School of Public Health as the result of a generous gift from the Fred H. Bixby Foundation. The center has grown since then with the support from additional Bixby Foundation gifts. The center promotes and supports research, training, and applied public health in the areas of population, reproductive health, and family planning. The principal focus of the program is on reproductive health issues in developing countries, where population growth rates remain high and reproductive health services are poor or inaccessible. However, the Bixby Center also works in reproductive health-related issues in the U.S.

Center for Cancer Prevention and Control Research

The **Center for Cancer Prevention and Control Research** is a joint program of the Fielding School and the Geffen School of Medicine's Jonsson Comprehensive Cancer Center. Since its inception in 1976, the center has been nationally and internationally recognized in Los Angeles community, nationally, and internationally. It conducts rigorous peer-reviewed research in three major program areas—the Healthy and At-Risk Populations Program, the Molecular Epidemiology Program, and the Patients and Survivors Program.

The **Healthy and At-Risk Populations Program** focuses on the prevention and early detection aspects of the cancer control continuum. The program's research portfolio encompasses a broad range of studies including investigations in tobacco control, nutrition, physical activity, breast, cervix, prostate and colorectal cancer screening, control of vaccine preventable cancers (liver, cervix), as well as expanding interests in economic and community level factors as predictors of cancer related outcomes. A central theme characterizing this program is a major emphasis on cancer disparities research—bringing cancer prevention and control to low-income, minority, and other socially and medically underserved populations locally, nationally, and internationally. The **Patients and Survivors Program** has as its major goal the reduction in avoidable morbidity and mortality among patients with cancer, long-term survivors of cancer. The two main scientific thrusts of the program are: quality-of-life outcomes along the developmental phases of the lifespan continuum (e.g., children, young adult survivors, adult cancer patients and survivors, elderly cancer patients and survivors), including late medical and psychosocial effects; and quality of cancer care, its measurement, and evaluation. The program also houses the UCLA-LIVESTRONG Survivorship Center of Excellence and the UCLA Family Cancer Registry. The Molecular Epidemiology Program focuses on: primary prevention: examining environmental exposure (smoking, diet, infection, air pollution, etc.) and genetic susceptibility and cancer risk, as well as exploring gene-environmental interactions in cancer risk; secondary prevention: evaluating biological markers (somatic mutations and hyper-methylations of tumor suppressor genes and oncogenes, gene copy numbers, etc.) for early detection, as well as intermediate markers as surrogate end-points for chemoprevention; and tertiary prevention: assessing blood and tissue-based biological markers (tumor markers, single nucleotide polymorphisms, etc.) for cancer prognosis and survival prediction.

Center for Global and Immigrant Health

The last several years have seen major transformations in global public health, requiring significant expansion and reconstruction of the international public health work force. Many emerging health problems require timely and sustained research efforts and require application of the best scientific knowledge and focused training for the global public health work force.

The UCLA **Center for Global and Immigrant Health** was established in 2008. The center includes faculty from all of the departments in the Fielding School of Public Health as well as the schools of medicine,

dentistry, and nursing, and the California Center for Population Research, all of whom have research or teaching interests in global and/or immigrant health. Participating faculty have active research collaborations in more than 50 countries throughout the world, and several work both with immigrant communities in California and in the countries of origin of these communities. The center offers a Certificate in Global Health available to students in any UCLA degree-granting graduate and professional program.

Center for Health Advancement

The UCLA **Center for Health Advancement** provides enhanced analysis and evidence-based information to help policymakers decide which policies and programs can best improve health and reduce health disparities. The center analyzes a wide range of timely health improvement opportunities, identifying those supported by strong evidence. It presents and disseminates the results of these analyses in plain language to those who make and influence public- and private-sector policies and programs, and offers training and technical assistance to facilitate implementation of recommended approaches.

The center brings together faculty from multiple departments of the Fielding School and other UCLA schools with a wide range of subject matter and methodological expertise, including expertise in nonhealth sectors such as education, transportation, housing, environmental protection, community planning, agriculture, public welfare, and economics. It has strong collaborations with government public health agencies, foundations, academic institutions, and other not-for-profit organizations. Within the health sector, its work is focused on how alternative investments to wasteful expenditures in health care can yield greater returns.

Center for Health Policy Research

The UCLA **Center for Health Policy Research** is one of the nation's leading health policy research centers and the premier source of health policy information for California. Established in 1994, the center is based in the Fielding School of Public Health and affiliated with the Luskin School of Public Affairs. The center improves the public's health by advancing health policy through research, public service, community partnership, and education. It is particularly known for its programs on health insurance, health economics, health disparities, and chronic disease. The center also conducts the **California Health Interview Survey** (CHIS), the nation's largest state health survey.

Center for Healthcare Management

The **Center for Healthcare Management** brings together academic researchers, students, seasoned executives, practitioners, and other health experts, as well as interdisciplinary academic health care management resources to advance health care management. The center is committed to accomplish its mission to unite, inspire, and enrich interdisciplinary leadership that progresses health care management.

The center's vision is to be the builder of strong and intertwined relationships with members of the Southern California health-care management community, to be the home of interdisciplinary academic health-care management resources from across the UCLA campus for students and faculty, and to be the brand of health-care management for the Fielding School's Department of Health Policy and Management, and its UCLA partners. The center aims to accomplish its mission and vision by pulling together the best minds from UCLA and from the broader community to improve the current state of applied research, knowledge, and practice; jointly exploring critical issues in the management of health care organizations; providing an academic home for leaders in the field to contribute career experience and mentorship; producing research that influences management practices and seeks on-the-ground health care management expertise to inform research questions; and creating a library of health care management cases, generated internally and fielded from outside UCLA, as a repository for internal use and external licensing.

Center for Healthier Children, Families, and Communities

The **Center for Healthier Children, Families, and Communities** (CHCFC) was established in 1995 to address some of the most challenging health and social problems facing children and families. The center's mission is to improve society's ability to provide children with the best opportunities for health and well-being, and the chance to assume productive roles within families and communities.

Through a unique interdisciplinary partnership—between UCLA departments including Psychology; schools including education, law, medicine, nursing, public affairs, and public health; and providers, community agencies, and affiliated institutions—a critical mass of expertise has been assembled. This allows CHCFC to conduct activities in five major areas: child health and social services; applied research; health and social service provider training; public policy research and analysis; and technical assistance and support to community providers, agencies, and policymakers.

Center for Healthy Climate Solutions

The **UCLA Center for Healthy Climate Solutions** (C-Solutions) focuses on protecting people and communities from the effects of climate change. The center equips decision makers with solutions that reduce inequities and benefit their economy, environment, and health. With their partners, the center uses evidence-based best practices that improve health and resilience, now and for generations to come. Under the leadership of Dr. Jonathan Fielding and Professor Michael Jerrett, the C-Solutions team provides public health expertise to help communities put leading research and best practices to work. The center works with communities to implement solutions that provide health, economic, and environmental benefits. The center prioritizes those with highest need to help reduce health disparities and promote climate justice. C-Solutions works with local stakeholders, conduct in-depth interviews with policy leaders,

and share their findings with partner communities. Through these methods, the center is fortifying its collective ability to adapt and respond to the dangers of climate change.

Center for LGBTQ Advocacy Research and Health

The **UCLA Center for LGBTQ Advocacy, Research and Health**, or C-LARAH (LARAH is derived from the Latin word *hilaris*, meaning cheerful), is dedicated to improving the health and well-being of sexual and gender minorities, and is committed to sharing expertise in public health, including epidemiological methods, developing and testing biobehavioral interventions, education and research training, program design and analysis, health policy initiatives, and implementation science with community based organizations and academic institutions. In addition, C-LARAH is devoted to recruiting and training a community of diverse scholars from underrepresented minority groups and fostering a welcoming, inclusive, and intellectually-enriching environment where all students, postdocs, staff, and faculty feel supported and can achieve their full potential. The center works directly with members of the lesbian, gay, bisexual, transgender, and queer (LGBTQ) community, and is able to draw upon expansive local and national relationships with state and local public health departments, academic researchers, health-care providers, community-based organizations, consumer groups, advocacy foundations, and funding agencies. Its familiarity and experience working with the LGBTQ community and allied organizations well-equips it to inform policymakers of the most effectual ways to reach members of this historically marginalized population and how to serve them holistically through all social determinants of health and justice.

Center for Occupational and Environmental Health

Established by the California Legislature and Executive Branch in 1978, **Center for Occupational and Environmental Health** (COEH) is one of three state-funded programs for research, training, and service in the area of occupational and environmental health.

COEH faculty from public health, nursing, and medicine train occupational and environmental health professionals and scientists, conduct research, and provide services through consultation, education, and outreach. Programs include environmental chemistry, occupational/environmental epidemiology, occupational ergonomics, industrial hygiene, occupational/environmental medicine, occupational/environmental health nursing, toxicology, gene-environment interactions, psychosocial factors in the work environment, and occupational health education.

Center for Public Health and Disasters

The **Center for Public Health and Disasters** was established in 1997 to address critical issues faced when a disaster impacts a community. The center promotes interdisciplinary efforts to reduce the health impacts of domestic, international, natural, and human-induced disasters. It facilitates dialog between public health and medicine, engineering, physical and social sciences, and emergency management. This unique philosophy is applied to the education and training of practitioners and researchers, collaborative interdisciplinary research, and service to the community. The multidisciplinary center staff and participating faculty members have backgrounds that include emergency medicine, environmental health sciences, epidemiology, gerontology, health services, social work, sociology, urban planning, and public health.

The center is one of 15 Academic Centers for Public Health Preparedness funded by the Centers for Disease Control and Prevention. The goal of these national centers is to improve competencies of front-line workers in public health to respond to public health threats.

Center for the Study of Racism, Social Justice, and Health

The **Center for the Study of Racism, Social Justice, and Health** is a multidisciplinary, collaborative research center housed in the **Community Health Sciences Department** leading the nation in conducting rigorous, community-engaged research to identify, investigate, and explain how racism and other social inequalities may influence the health of diverse local, national, and global populations.

The center is distinguished from other disparities-related research units at UCLA by its primary focus on the health implications of racism for diverse populations. Public health is both an academic discipline and an applied one. Therefore, the center encourages the translation of research findings for use by public health professionals, community organizations, and policy makers in their ongoing health equity efforts. Many center affiliates are working to identify, investigate, and explain the specific mechanisms by which various forms of racism may produce local, national, or global health inequities. Others are advancing critical racial theories or building community partnerships to guide their anti-racism, health-equity work. The center supports a community of scholars engaged in cutting-edge research, scholarship, public health practice, and community engagement to tackle questions such as how racism affects the physical and mental health of diverse populations, what tools are available to improve the rigor with which researchers study racism and its relationship to health inequities, which intervention strategies most effectively address contribution of racism to specific health inequities, and what are effective ways to teach public health students about racism. Affiliates represent disciplines of public health, history, medicine, urban planning, sociology, and other areas.

Southern California NIOSH Education and Research Center

The characteristics of the **Southern California NIOSH Education and Research Center** (ERC) are embodied in a coordinated, interdisciplinary set of professional education, continuing education, research, and outreach activities that positively impact the region's and nation's occupational health and safety practice. The center has seven programs, five at UCLA, one at UC Irvine, and two center-wide programs. The UCLA programs are **Industrial Hygiene**, **Occupational and Environmental Health Nursing**, Center Administration and Planning, **Continuing Education**, and **Outreach**. UC Irvine hosts the **Occupational Medicine** program. The center-wide programs are the **Pilot Project Research Training** and **Targeted Research Training** Programs. Degrees offered by ERC programs include the Doctor of Philosophy, Doctor of Public Health, Master of Public Health, Master of Science, Master of Science in Nursing, and residency certificates.

The ERC operates with the UCLA and UC Irvine Centers for Occupational and Environmental Health (COEH). These are state-supported centers for research and teaching in occupational safety and health. Together the ERC and COEH represent a unique and effective partnership between state and federal funding.

UCLA Kaiser Permanente Center for Health Equity

The **UCLA Kaiser Permanente Center for Health Equity** (formerly the Center to Eliminate Health Disparities) was established in 2004 to address the increasing disparities in health status and health care in the U.S. The center conducts community-based participatory intervention research in health promotion and disease prevention to mitigate disparities. The center also facilitates community and academic partnerships in research, trains future leaders in health disparities research, provides technical assistance for implementing evidence-based programs that build on community needs and existing assets, and hosts annual community symposia on critical public health issues.

This center without walls includes members from academia, government, and private/non-profit organizations to enable more effective collaboration with community partners to reduce health disparities across the lifespan. For more information, see **Kaiser Permanente Center for Health Equity**.

WORLD Policy Analysis Center

The **WORLD Policy Analysis Center** (WORLD) aims to strengthen equal rights and opportunities worldwide by identifying the most effective policy approaches for both improving individual well-being and health and enabling countries to thrive socially and economically; improving the quantity and quality of comparative data available to policymakers, citizens, civil society, and researchers around the world on policies affecting human health, development, well-being, and equity; and working in partnerships to support evidence-based improvements in communities and countries worldwide.

The WORLD Policy Analysis Center engages in a rigorous research process to gather and transform massive quantities of legal and policy data into the quantifiable, accessible, user-friendly resources including interactive maps, tables, and downloadable datasets. With an international, multilingual, and multidisciplinary team, WORLD works to carefully select and analyze the best global sources of

information to minimize errors. In addition, WORLD analyzes this data to identify effective policies and laws, publish original research, and offer evidence-based policy recommendations. Through partnerships with organizations around the globe, WORLD aims to translate its global policy data into community- and country-level improvements.

Meyer and Renee Luskin School of Public Affairs Overview

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Anastasia Loukaitou-Sideris, PhD, *Interim Dean*

Luskin School of Public Affairs
3250 Public Affairs Building
310-206-8858

Founded in 1994, the UCLA Meyer and Renee Luskin School of Public Affairs incorporates best practices in scholarship, research, and teaching in the fields of policymaking, social work, and urban and regional planning. The unique intersection of these disciplines within one school allows for academic cross-collaboration, and a graduate and undergraduate education that values perspectives at both the macro- and micro-organizational levels. Graduates of the master's and doctorate degree programs are well prepared to take leadership roles and effect change as practitioners, researchers, and policymakers in public, private, and nongovernmental sectors. The undergraduate major offers students a rigorous conceptual and empirical foundation that prioritizes capacity for action by students exhibiting high motivations for public service and social change. Faculty members are actively engaged in research that addresses pressing national and regional issues including immigration, drug policy, prison reform, health care financing, transportation and the environment, national security, economic development, and the aging U.S. and world population.

Departments and Programs

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The school comprises four academic units—Departments of **Public Policy**, **Social Welfare**, and **Urban Planning**, and the **Undergraduate Program in Public Affairs**—with faculty members from such diverse disciplines as economics, geography, history, law, management, and political science. The school trains policy professionals, planners, and social workers for public, private, and nongovernment service; conducts research on significant regional, national, and international issues with a strong interdisciplinary and cross-cultural focus; and acts as a convener and catalyst for public dialog that engages people locally, nationally, and internationally.

Undergraduate Programs

UCLA Luskin adminsters the BA in Public Affairs and three minor programs in Gerontology, Public Affairs, and Urban and Regional Studies. Details about the major are available at the Luskin Undergraduate Program department office, 3343 Public Affairs Building, or online on the **major website**. Details about the minors are available at the Luskin Undergraduate Program department office, 3343 Public Affairs Building, or online at **school minors**.

The school offers a wide array of undergraduate courses in public affairs. Enrollment in these courses is open to all undergraduate students during the second enrollment pass. Most classes are restricted to students pursuing the BA in Public Affairs during the first pass.

Undergraduate Admission

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Admission as a Freshman

Freshmen are admitted with a declared pre-major in the College of Letters and Science. See the **individual department** for information on applying to the major.

Admission as a Junior

Transfer students are admitted directly to the Luskin School of Public Affairs.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and major requirements for the Bachelor of Arts degree.

School of Public Affairs
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

School Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. Foreign Language
7. Diversity
8. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture

Foundations of Scientific Inquiry

Major Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, College, or major requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. Students who do not satisfy the Entry-Level Writing requirement prior to enrollment must pass an approved course or other program prescribed by their UC campus of residence. Only after satisfying the Entry-Level Writing requirement can they take an English composition course for transfer credit after enrolling at UCLA. See **degree requirements** in Undergraduate Study for details.

School Requirements

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There are eight requirements that must be satisfied for the award of the degree.

Unit Requirement

Students must satisfactorily complete for credit a minimum of 180 units for the bachelor's degree. At least 60 of the 180 units must be upper-division courses numbered 100 through 199. A maximum of 216 units is permitted. Students with Advanced Placement Examination or International Baccalaureate Examination (transfer) credit may exceed the unit maximum by the amount of that credit.

After 216 quarter units, enrollment may not normally be continued in the school without special permission from the dean.

Scholarship Requirement

Students must earn at least a 2.0 (C) grade-point average (GPA) in all courses undertaken at UCLA to receive a bachelor's degree.

Students must also earn a 2.0 GPA in the major and satisfy both the course and scholarship requirements for the major, including preparation for the major.

Academic Residence Requirement

Students are in residence while enrolled and attending classes at UCLA with a declared major in the Luskin School of Public Affairs. Of the last 45 units completed for the bachelor's degree, 35 units must be earned while in residence at the school. A minimum of 24 upper-division units must be completed in the major while in residence at the school.

Students enrolled in the Education Abroad Program (EAP) must satisfy the residence requirement by earning 35 of their final 90 units in residence at the school.

Foreign Language Requirement

The foreign language requirement may be satisfied by one of the following methods: scoring 3, 4, or 5 on the College Board Advanced Placement (AP) foreign language examination in Chinese, French, German, Italian, Japanese, or Spanish, or scoring 4 or 5 in Latin; presenting a UCLA foreign language departmental examination score indicating competency through level three; or completing a college-level foreign language course equivalent to level three or above at UCLA with a C or Passed or better grade.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the foreign language and reciprocity requirements.

Courses that may be used to fulfill this requirement are published on the Registrar's **foreign language requirement** web page.

Diversity Requirement

The **diversity requirement** may be satisfied by completing one course from the faculty-approved list of courses. Courses used to satisfy the diversity requirement are approved by the school Faculty Executive Committee. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable). Applicable courses may also fulfill major, minor, or elective requirements and, if approved for general education (GE) credit, may fulfill a GE requirement. A list of approved courses is available in the **Schedule of Classes**.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. Two courses in English composition are required for graduation. Both courses must be taken for letter grades, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Qualifying examination scores and courses are determined by the school Faculty Executive Committee.

Writing II

The Writing II requirement must be satisfied within seven terms of enrollment by completing one course from a faculty-approved list of **Writing II courses**; see the Registrar's **Writing II requirement** web page

for details. Courses that satisfy the requirement are denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may also fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I, Writing II, and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

Quantitative Reasoning Requirement

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The quantitative reasoning requirement may be satisfied by completing one approved UCLA course (see list below) or an equivalent course within the first seven terms of enrollment. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable).

The requirement may also be satisfied by achieving an SAT Mathematics section score of 620 or better, or an SAT Subject Test in Mathematics score of 550 or better, or an ACT Mathematics Test score of 26 or better. Approved UCLA courses and examinations, and qualifying scores, are determined by the school Faculty Executive Committee.

Applicable courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the quantitative reasoning and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level quantitative reasoning course that Undergraduate Admission accepts as equivalent to those approved by the school Faculty Executive Committee. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Applicable courses may also fulfill major, minor, or elective requirements and, if approved for diversity or writing, may fulfill the diversity requirement and/or Writing II requirement.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Ten courses (47 units minimum) are required. GE-approved Writing II courses may fulfill an appropriate foundational area. See the foundational area descriptions below for a breakdown of courses required.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement, complete 40 percent of their general education requirements, and receive laboratory/demonstration credit where appropriate.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. Courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities, and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Four courses, two from each subgroup. One 5-unit course from either subgroup must include laboratory credit. Other courses in the subgroups may be 4 units:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, contact an academic adviser or see the **master list**.

School of Public Affairs
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences 2 courses
Physical Sciences 2 courses
One of the four courses must be 5 units and carry laboratory credit. Other courses in the subgroups may be 4 units.
Total = 17 units minimum

Total GE 10 courses/47 units minimum

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses and have met all GE requirements prior to enrolling at UCLA are not required to complete the school GE requirements. Written verification from the dean at the other UC campus is required. Consult with a school counselor regarding eligibility for this option.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all GE requirements are fulfilled when students complete the IGETC courses.

Major Requirements

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Major Requirements

Two types of requirements must be satisfied for the award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Departments set requirements for minors.

Preparation for the Major

Admission to the major requires completion of a set of courses known as preparation for the major. Applicants are admitted to pre-major status until requisite courses are satisfactorily completed. See **majors**.

The Major

A major consists of a group of coordinated upper-division courses and shall be designated as schoolwide, departmental, interdepartmental, or individual. Each course applied toward the major and preparation for the major must be taken for a letter grade unless otherwise stipulated.

A major consists of a minimum of 40 upper-division units.

Students must complete their major with a scholarship grade-point average of at least 2.0 (C) in all courses in order to remain in the major.

As changes in major requirements occur, students are expected to satisfy the new requirements insofar as possible. Petitions for adjustment should be submitted to the dean of the school in hardship cases.

See **majors** for more details.

Minors

Students may petition for a minor offered by the school or one offered outside the school, provided they can complete the requirements within 216 units and are on track to graduate on time.

As changes in minor requirements occur, students are expected to satisfy the new requirements insofar as possible unless they have completed 50 percent of the required coursework for the minor at the time the new requirements go into effect. Petitions for adjustment should be submitted to the undergraduate program chair for a departmental minor and to the dean for a schoolwide minor.

For a list of minors and specializations, see the minors list; descriptions are in the **individual department**.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

The study list is a record of classes that a student is taking during a particular term. Each term, the study list must include from 12 to 19 units. After the first term, students may petition to enroll in more than 19 units if they have an overall grade-point average of 3.0 (B) and attained at least a 3.0 (B) grade-point average the preceding term with all courses passed.

First-term transfer students from any other UC campus may carry excess units on the same basis as students who have completed one or more terms at UCLA; however, they are not encouraged to do so.

Minimum Progress

Students are expected to complete satisfactorily at least 36 units in any three consecutive terms while in residence; they are placed on probation if they fail to pass these units. They are subject to dismissal if they fail to pass at least 32 units in three consecutive regular terms while in residence.

Changing a Major

Students in good academic standing who wish to change their major may petition to do so provided they can complete the new major within the 216-unit limit and are on track to graduate on time. Petitions must be submitted to and approved by the department or committee in charge of the new major. Admission to certain majors may be closed or restricted; changes are normally not permitted if students are on probation or have begun their last term.

Students who fail to attain a grade-point average of 2.0 (C) in preparation for the major or major courses may be denied the privilege of entering or continuing in that major.

Re-entering Students and Their Majors

Students returning to UCLA to resume their studies after an absence of several years may find their previous major area of study is no longer available. They must select a current major in which to complete their studies. Consult with an academic adviser for assistance.

Concurrent Enrollment

Enrollment at a non-UC institution or UCLA Extension while enrolled at UCLA is not permitted except in extraordinary circumstances. No credit is given for courses taken concurrently elsewhere without the approval of the school.

Credit Limitations

The following credit limitations apply to all undergraduate students. In many cases, units are not deducted until the final term before graduation. Students with questions should consult with an academic adviser.

Transfer students with credit from other institutions (advanced standing credit) receive a Degree Audit from Undergraduate Admission indicating the transferable units from former institutions; however, the following credit limitations may reduce the total number of transferred units that apply toward the degree in the school. Consult with an adviser about these limitations.

Upper-Division Tutorials

No more than 8 units of credit may be taken per term in upper-division tutorials numbered 195 through 199. The total number of units allowed in such courses for a letter grade is 32; see the specific restrictions of each department.

Graduate Courses

Undergraduate students who wish to take courses numbered in the 200 series for credit toward a specific degree requirement must petition for advance approval of the department chair and the dean of the school. Courses numbered in the 300, 400, and 500 series may not be applied toward the degree.

Academic Advising Services

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The Luskin School of Public Affairs offers advising, program planning in the major and general education requirements, and individual meetings with school and departmental counselors. For counseling information, contact the Undergraduate Program Student Services Office, 3343 Public Affairs Building.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors and programs:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.964 grade-point average (GPA), with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean's Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor's degree with Latin honors. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average at graduation that places them in the top 20 percent of the school graduates (GPA of 3.964 or better) for *cum laude*, the top 10 percent (GPA of 3.987 or better) for *magna cum laude*, or the top five percent (GPA of 4.000 or better) for *summa cum laude*. Coursework taken on the Education Abroad Program is applied toward Latin honors at graduation. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year (fall, winter, spring, summer) determine student eligibility. Students should consult their Degree Audits, or the Registrar's **Latin honors** web page for the most current Latin honors calculations.

Graduate Study

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Admission

In addition to requiring that applicants hold a bachelor's degree from an accredited U.S. institution or an equivalent degree or professional title from an international institution, each department in the school has limitations and additional requirements. Individuals interested in concurrent degrees must be admitted to both programs. Detailed information can be found in **program requirements for UCLA graduate degrees**.

For information on the proficiency in English requirements for international graduate students, see **admission** in Graduate Study.

Degree Requirements

Requirements to fulfill each degree objective vary according to the degree and the department. For complete degree requirements, see **program requirements for UCLA graduate degrees**.

Research Centers

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The school houses a number of research centers where faculty members from across campus pursue issues of mutual interest. In addition to their focus on practical policy problems, the research centers also offer opportunities for student financial aid in the form of research assistant positions, grants, and fellowships.

Agile Visual Analytics Lab

The UCLA **Agile Visual Analytics Lab** (AVAL) empowers national, state, and local stakeholders to use data to make more timely and sound decisions impacting children, families, communities, and the workforces that serve them. The lab accomplishes that mission by putting vital information into the hands of stakeholders in the form of data visualizations that efficiently and effectively meet their diverse and dynamic information needs; implementing utilization-focused and developmental evaluation of programs and policies of mission-driven organizations and systems; and building the capacity of systems and organizations to grow, use, and sustain data ecosystems.

Berggruen Governance Index

The **Berggruen Governance Index** evaluates countries on the basis of their quality of political governance. To do this, the index disaggregates governance into three key components: quality of democracy (inputs), quality of government (throughputs), and quality of life (outputs). By disaggregating the capacities of governance, the index attempts to deepen understanding of the relationship between the democratic feedback, government competence, and the provision of public goods.

Center for Neighborhood Knowledge

The **Center for Neighborhood Knowledge** is dedicated to translating its research to inform actionable neighborhood-related policies and programs that contribute to positive social change. It specializes in empirical spatial analysis and emphasizes the study of diversity, differences, and disparities among neighborhoods; and explicitly covers immigrant enclaves, low-income neighborhoods, and minority communities. In response to the current public health crisis and racial climate, the center launched the COVID-19 Equity Research Initiative in March 2020 to analyze systemic inequality and the pandemic's impact on the way we live, work, learn, shop, and socialize. One of the Initiative's objectives is to produce timely research briefs, publicly accessible data, and mapping tools, all to inform public discussion on critical policy issues. The goal is to provide timely insights to policymakers, community stakeholders, and others who are addressing economic, social, and political disruptions, with the ultimate goal of ensuring a fair and just recovery for the most impacted communities.

Institute of Transportation Studies

The **UCLA Institute of Transportation Studies** (ITS), one of the leading transportation policy research centers in the U.S., was created in 1992 to conduct research and furnish professional education on the social, economic, environmental, and cultural aspects of transportation policy. Each year ITS faculty members, students, and research staff collaborate on a wide array of transportation policy and planning studies, ranging from an analysis of the travel trends and transportation needs of immigrants and low-income workers to the testing and evaluation of innovative fare programs to increase public transit use.

Institute on Inequality and Democracy

The **Institute on Inequality and Democracy**, organized in 2016, advances radical democracy in an unequal world through research, critical thought, and alliances with social movements and racial justice activism. Institute programs and projects convene multiple disciplines, narrative forms, and styles of scholarship and practice, while focusing on four research priorities: housing justice, predatory financialization, policing and incarceration, and decolonizing the university. The Institute aims to analyze and transform the divides and dispossessions of our times, in the university and in our cities, across the global south and global north.

Latin American Cities Initiative

The mission of the UCLA Luskin **Latin American Cities Initiative** (Ciudades) is to develop and deepen knowledge networks among students, educators, and professionals in the arena of urban planning and policy in South, Central, and North America. The initiative sponsors teaching and public events at UCLA and Casa de California in Mexico City, coordinates academic and professional networks to enhance the knowledge base in urban planning and policy, and supports individual student research and internships.

Latino Policy and Politics Institute

The **Latino Policy and Politics Institute** (LPPI) is a comprehensive think tank that addresses the most critical domestic policy challenges facing Latinos and other communities of color in states and localities across the U.S. The initiative leverages UCLA's cross-disciplinary strengths to create an enterprise-wide home for Latino social policy with expertise in over a dozen issue areas including civil rights, criminal justice, educational equity, health access, and voting and civic participation. The initiative fosters innovative research, leverages policy-relevant expertise, drives civic engagement, and nurtures a leadership pipeline to propel viable policy reforms that expand opportunity for all Americans.

Los Angeles Education Research Institute

The **Los Angeles Education Research Institute** (LAERI) advances educational equity and improvement in Los Angeles by bringing researchers and practitioners together to address important educational challenges. It cultivates and maintains a shared research and partnership infrastructure that facilitates new empirical projects and builds connections among academics, practitioners, and policymakers. The research-to-practice model emphasizes the importance of locally developed research questions, sustained collaboration and communication, and cumulative projects that build toward solutions.

Luskin Center for Innovation

The **Luskin Center for Innovation** (LCI) conducts rigorous research and timely outreach that informs environmental policies for the health of people and the planet. Center faculty, staff, and graduate student researchers evaluate existing and proposed environmental policies to assess their effectiveness, equity impacts, and potential to spur innovation. The center then shares research findings with community leaders and policymakers, who use LCI research to design evidence-based environmental policies. The center often focuses on California, the world's fifth-largest economy, to support a model of environmental leadership that is relevant globally. Research programs include climate, energy, environmental equity, transportation, urban greening, and water—all linked by the theme of informing effective and equitable solutions to the environmental challenges of our time.

Ralph and Goldy Lewis Center for Regional Policy Studies

The **Lewis Center for Regional Policy Studies** was founded in 1989, with a $5 million endowment from Ralph and Goldy Lewis, to promote the multidisciplinary study, understanding, and solution of regional policy issues in California. Research projects cover welfare reform, housing, immigration, environment,

health insurance, labor and employment, and transportation—with a specific interest on the policy impact on vulnerable populations as a through line.

UCLA Hub for Health Intervention, Policy and Practice

The **UCLA Hub for Health Intervention, Policy and Practice** (HHIPP) connects the academy, community, and policymakers to address health disparities among diverse communities in Los Angeles and beyond. UCLA HHIPP engages community members in impactful, theory-driven and sustainable research that informs high-level policy and street-level social justice health outcomes. UCLA HHIPP's work situates health policy within a social welfare and social justice framework. It espouses a broad definition of health and wellness with special consideration given to adverse social conditions, stigma, discrimination, poverty, racism, and homophobia.

School of the Arts and Architecture Overview

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Lionel A. Popkin, MFA, *Interim Dean*

School of the Arts and Architecture
8260 Broad Art Center
310-206-6465

The UCLA School of the Arts and Architecture plays a vital role in the cultural and artistic life of the campus and community. Courses and degree programs in four departments—**Architecture and Urban Design**, **Art**, **Design|Media Arts**, and **World Arts and Cultures/Dance**—offer students unparalleled opportunities to learn from faculty members who rank among the most innovative artists, designers, ethnographers, choreographers, architects, and arts culture and performance scholars of today.

Combining opportunities for hands-on study of creative practice with an academic foundation of the liberal arts, the school offers students the chance to develop an integrated and encompassing understanding of human creativity, the arts, and architecture. Its mission is to educate, empower, and inspire the next generation of citizens to serve as cultural and artistic leaders of the twenty-first century.

The School of the Arts and Architecture includes three public arts units, including the **Center for the Art of Performance** at UCLA, one of the largest and most diverse performing arts presenters in the nation; and two world-class museums: the UCLA **Hammer Museum**, which focuses on contemporary and emerging artists, and the **Fowler Museum** at UCLA, which focuses on tradition-based and contemporary arts of Africa, the Americas, Asia, and the Pacific. School teaching, learning, and public activities are organized across nine buildings and sites at the UCLA campus and beyond.

Departments and Programs

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The four departments of the school are integral to the rich and varied cultural life of the UCLA campus. The Architecture and Urban Design Department offers students the opportunity to interrogate contemporary architectural and urban issues in one of the most culturally diverse cities in the world, and to propose possible futures with equal measures of expertise, optimism, and vision. The Art Department offers courses in the history, theory, and practice of visual art across a wide range of media, preparing students for a life of creative making and critical thinking in contemporary art and related fields. The Design|Media Arts Department focuses on digital media and offers a comprehensive, multi-disciplinary approach that emphasizes individual exploration. The World Arts and Cultures/Dance Department offers innovative curricula focusing on the arts as expressions of culture, on the creation of dance and performance, and on fostering relationships between critical theory, activism, and artistic practice.

The school is also home to one undergraduate minor. Through its innovative interdisciplinary coursework and community arts programs, the Visual and Performing Arts Education (VAPAE) minor provides students with experiential opportunities to develop into teaching artists, introducing them to a range of possible careers in the arts while also bringing much needed arts education curricula to students throughout Los Angeles.

Information about academic programs is available from the **Office of Student Services**.

Teaching Credentials

Students interested in obtaining instructional credentials for California elementary and secondary schools should contact the **Teacher Education Program**, 1009 Moore Hall.

Undergraduate Admission

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In addition to the UC undergraduate application, departments require a supplemental application that involves auditions, portfolios, or evidence of creativity. Information about departmental requirements is available on the school **prospective students** web page.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and department requirements for the Bachelor of Arts degree.

School of the Arts and Architecture
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

School Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. Foreign Language
7. Upper-Division Nonmajor Courses
8. Diversity
9. General Education
   - Foundations of Arts and Humanities

Foundations of Society and Culture
Foundations of Scientific Inquiry

Department Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, school, or department requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy in order to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. See **degree requirements** in Undergraduate Study for details.

School Requirements

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There are nine requirements that must be satisfied for award of a degree.

Unit Requirement

Students must complete for credit, with a passing grade, no fewer than 180 units and no more than 216 units, of which at least 64 units must be upper-division courses (numbered 100 through 199). Credit for upper-division tutorials numbered 195 through 199 is limited to a maximum of 8 units in a single term, and a maximum of 32 units total for a letter grade. Each major may have limitations on the number of upper-division tutorials and/or units that may be applied toward degree requirements.

Scholarship Requirement

A 2.0 (C) average is required in all work attempted at the University of California, exclusive of courses in UCLA Extension and those graded Passed/Not Passed. A 2.0 (C) grade-point average is also required in all upper-division courses in the major taken at the University of California, as well as in all courses applied toward the general education and UC requirements.

Academic Residence Requirement

Students are in residence while enrolled and attending classes at UCLA with a declared major in the School of the Arts and Architecture. Of the last 45 units completed for the bachelor's degree, 35 must be earned while in residence at the school. No more than 18 of the 35 units may be completed in UCLA Summer Sessions.

Courses offered by UCLA Extension may not be applied toward any part of the residence requirements.

Foreign Language Requirement

Students may meet the foreign language requirement by scoring 3, 4, or 5 on the College Board Advanced Placement (AP) foreign language examination in Chinese, French, German, Italian, Japanese, or Spanish, or scoring 4 or 5 on the AP foreign language examination in Latin; for languages other than Spanish and Portuguese, presenting a UCLA foreign language proficiency examination score indicating competency through level two; or completing one college-level foreign language course equivalent to level two or above at UCLA with a grade of Passed or C or better. Students who want to meet the foreign language requirement with Spanish, and do not have a qualifying AP score, must enroll in Spanish 2. Students who want to meet the foreign language requirement with Portuguese, and do not have a qualifying AP score, must enroll in Portuguese 2. The foreign language requirement must be completed within the first six terms of enrollment.

International students may petition to use an advanced course in their native language for this requirement. Students whose entire secondary education has been completed in a language other than English may petition to be exempt from the foreign language requirement.

Courses that may be used to fulfill this requirement are published on the Registrar's **foreign language requirement** web page and are available on the student Degree Audit.

Upper-Division Nonmajor Requirement

Students are required to complete a minimum of 12 units of upper-division (100-level) nonmajor courses. Graduate (200-, 400-, and 500-level) courses may not be applied toward this requirement.

Diversity Requirement

The **diversity requirement** is predicated on the notion that students in the arts must be trained to understand the local, national, and global realities in which they make, understand, interpret, and teach the arts. Those realities include the multicultural, transnational, and global nature of contemporary society. The requirement may be satisfied by taking courses in any of three parts of the student's overall program: general education courses, courses in the major, or upper-division nonmajor elective courses. As such, students are not required to complete an additional course to satisfy the diversity requirement. Courses satisfying this requirement consider intergroup dynamics along with such social dimensions as race, ethnicity, gender, socioeconomic background, religion, sexual orientation, age, and disability; and are relevant to the understanding of these dynamics in contemporary society and culture in the U.S. and around the world.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirements.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. The courses must be taken for a letter grade, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Writing II

The Writing II requirement must be satisfied within the first six terms of enrollment by completing one course from a faculty-approved list of **Writing II courses** and available on the student Degree Audit; see the Registrar's **Writing II requirement** web page for details. Courses that satisfy the requirement are

denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses also approved for general education may fulfill the relevant general education foundational area.

Quantitative Reasoning Requirement

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Students must demonstrate basic skills in quantitative reasoning. The requirement may be satisfied by completing one approved UCLA course (see list below) for a C or Passed or better grade (a C− or Not Passed grade is not acceptable), or an equivalent transfer course.

The quantitative reasoning requirement may also be satisfied by achieving an SAT Mathematics section score of 620 or better, or an SAT Subject Test in Mathematics score of 550 or better, or an ACT mathematics exam score of 26 or better. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Eight courses (38 units minimum) are required. A Writing II or diversity course also approved for general education may be applied toward the relevant general education foundational area.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement and complete nearly 50 percent of their general education requirements. Students who do not complete the year-long GE cluster series must meet with an adviser in the Student Services Office to determine applicable GE credit.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. The courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Two courses from either subgroup. If both courses are selected from the same subgroup, they must be from different departments:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, consult with an academic adviser in the **Office of Student Services**, 2200 Broad Art Center, or see the **master list**.

School of the Arts and Architecture
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences/Physical Sciences 2 courses
Two courses from either subgroup. If both courses are selected from the same subgroup, they must be from different departments.
Total = 8 units minimum

Total GE 8 courses/38 units minimum

A Writing II course also approved for general education may be applied toward the relevant general education foundational area.

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses and have met all GE requirements prior to enrolling at UCLA are not required to complete the School of the Arts and Architecture GE requirements. Written verification from the dean at the other UC campus is required. Verification letters should be sent to

the UCLA School of the Arts and Architecture, Office of Student Services, Box 951620, Los Angeles, CA 90095-1620.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all UCLA GE requirements are fulfilled when students complete the IGETC courses. Students who select the IGETC must complete it entirely before enrolling at UCLA. Otherwise, they must fulfill the School of the Arts and Architecture GE requirements.

Department Requirements

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Departments generally set two types of requirements that must be satisfied for award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Preparation for the major courses should be completed before beginning upper-division work.

Preparation for the Major

A major requires completion of a set of courses known as preparation for the major. Each department sets its own preparation for the major requirements; see the **individual department**.

The Major

A major is composed of no fewer than 56 units, including at least 36 units of upper-division courses.

Students must complete their major with a scholarship grade-point average of at least 2.0 (C) in all courses in order to remain in the major. Each course in the major department must be taken for a letter grade.

As changes in major requirements occur, students are expected to satisfy the new requirements insofar as possible. Hardship cases should be discussed with the department adviser, and petitions for adjustment should be submitted to the dean of the school when necessary.

Any department offering a major may require a general final examination.

Individual Majors

Highly motivated students who believe that no single major accommodates their specific interests and goals may propose designing their own major. Proposals are prepared with faculty guidance and

sponsorship, and must explain the intent concerning the anticipated program of study and reasons why the academic goals cannot be achieved within an existing major. Proposals must be submitted no later than the end of the sophomore year. Transfer students must complete at least one term of residency at UCLA before proposing an individual major. Students interested in designing an individual major should consult with the school director of student services, 2200 Broad Art Center.

Minors and Double Majors

Students may petition for a minor and/or double major on an individual basis. It is strongly recommended that students pursuing a minor or double major enroll in 15 to 20 units per term. Students should contact the Student Services Office for an outline of criteria required for the petition.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

Each term the study list must include from 12 to 20 units. The school has no provision for part-time enrollment. After the first term, students may petition to carry more than 20 units if they have an overall grade-point average of 3.0 (B) or better and have attained at least a 3.0 (B) grade-point average in the preceding term with all courses completed and passed. Students should contact the Student Services Office no later than the end of the second week of instruction to request additional units.

Minimum Progress

Students are expected to complete satisfactorily at least 36 units during any three consecutive terms in residence; they are placed on probation if they fail to pass these units. Students are subject to dismissal if they fail to pass at least 32 units in three consecutive regular terms in residence. In addition, students are held to the minimum grade-point average described in **Grades** and progress toward degree policies described in **Degrees**.

Changing a Major

Students in good academic standing who wish to change their major may petition to do so, provided they can complete the new major within the 216-unit limit and normal time to degree (12 terms for students who entered as freshmen; six terms for students who entered as transfers). Petitions must be submitted to and approved by the department or committee in charge of the new major. Admission to certain majors may be closed or restricted. Changes are normally not permitted if students are on probation or have begun their last term.

Concurrent Enrollment

Enrollment at a non-UC institution or at UCLA Extension while enrolled at UCLA is not permitted.

Credit Limitations

The following credit limitations apply to all undergraduate students enrolled in the school:

Advanced Placement Examinations

Credit earned through the College Board Advanced Placement (AP) Examinations may be applied toward certain UC/school requirements. Consult with an adviser in the Student Services Office to determine applicable credit. Portions of AP Examination credit may be evaluated by corresponding UCLA course numbers. If students take the equivalent UCLA course, unit credit for such duplication is deducted before graduation. See the school **AP table** for UCLA course equivalents.

Graduate Courses

Undergraduate students who wish to take courses numbered in the 200 series for credit toward a specific degree requirement must petition for advance approval of the department chair and the dean of the school and must meet specific qualifications. Courses numbered in the 400 and 500 series may not be applied toward the degree.

Academic Counseling Services

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The school offers advising, program planning in the major and general education requirements, and individual meetings with school and departmental advisers from matriculation through graduation. For academic counseling information, contact the Student Services Office, 2200 Broad Art Center.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors and programs:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.944 grade-point average (GPA), with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean's Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade, change a grade, or repeat a course. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Latin honors are awarded at graduation to students with superior grade-point averages. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average at graduation that places them in the top 20 percent of the school (GPA of 3.944 or better) for *cum laude*, the top 10 percent (GPA of 3.978 or better) for *magna cum laude*, or the top five percent (GPA of 3.990 or better) for *summa cum laude*. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year determine student eligibility. Students should contact the Student Services Office or see the Registrar's **honors** web page for the most current calculations of Latin honors.

Departmental Scholar Program

Exceptionally promising juniors or seniors may be nominated as Departmental Scholars to pursue bachelor's and master's degree programs simultaneously. Qualifications include completion of 24 courses (96 quarter units) at UCLA or the equivalent at a similar institution and the requirements in preparation for the major. Students must also have at least one term of coursework remaining at UCLA. To obtain both the bachelor's and master's degrees students must be provisionally admitted to the Graduate Division, fulfill requirements for each program, and maintain a minimum 3.0 (B) average. No course may be used to fulfill requirements for both degrees. Interested students should consult their department well in advance of application dates for graduate admission. Students should contact the Student Services Office in 2200 Broad Art Center for details.

Graduate Study

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The advanced degree programs offer graduate students unique research opportunities when combined with special resources, such as the Young Research Library, Arts Library special collections, and UCLA exhibit venues.

Fellowships, grants, and assistantships are available through the departments and the dean of the Division of Graduate Education.

Admission

In addition to requiring that applicants hold a bachelor's degree from an accredited U.S. institution or an equivalent degree of professional title from an international institution, each department in the school has limitations and additional requirements. In general, samples of creative work (auditions, portfolios, computer programs, etc.) are required. Detailed information is available on individual department websites and in **program requirements for UCLA graduate degrees**.

For information on the proficiency in English requirements for international graduate students, see **international applicants** in Graduate Study.

Degree Requirements

Requirements to fulfill each degree objective vary according to the degree and the department. For complete degree requirements, see **program requirements for UCLA graduate degrees**.

Research Centers

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Ten interdisciplinary research centers—the **Art and Global Health Center**, **Art|Sci Center**, **cityLAB**, **Conditional Space Studio**, **Counterforce Lab**, **Experiential Technologies Center**, **Game Lab**, **Grunwald Center for the Graphic Arts**, and **xLAB**—as well as the renowned **Murphy Sculpture Garden**—are part of the school. They offer students the opportunity to broaden and deepen their experience of the arts and architecture while at UCLA.

In addition to offering a rich and diverse environment on campus, the school encourages students to participate in community outreach programs designed around concerts, exhibitions, symposia, and dance productions presented in cooperation with groups throughout the greater Los Angeles area.

School of Dentistry Overview

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Paul H. Krebsbach, DDS, PhD, *Dean*

School of Dentistry
53-038 Dentistry
310-206-6063

The UCLA School of Dentistry has a national and international reputation for its teaching, research activities, and public service that prepare dental students for professional careers dedicated to patient care, leadership, and service. The curriculum prepares students for changes in treatment modalities and health care delivery systems. From the moment training begins, students actively participate in preventive and clinical dental care and soon make valuable contributions to the clinical health team. Clinical instruction emphasizes the comprehensive care of patients. Students interact with their colleagues, faculty members, and dental auxiliary personnel in much the same way as they later will interact in a private or group practice.

Students may undertake programs designed to meet their special interests; mandatory selectives encourage advanced training in an area of particular interest and service learning. In addition to basic and applied research programs within the school, students participate in community service programs such as the Wilson-Jennings-Bloomfield UCLA Venice Dental Center. Graduate programs and resident specialty programs foster new lines of research that lead to better treatment options. An active continuing education program, directed by UCLA faculty members, offers a variety of hands-on courses for members of the dental profession and their auxiliaries.

Dental Programs

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Pre-Dental Curriculum

For details on pre-dental programs, see the **school website**.

DDS Degree

The UCLA dental curriculum leading to the degree of **Doctor of Dental Surgery** (DDS) is based on the quarter system. The course of study usually takes four academic years of approximately nine months each, with three required summer quarters between the first/second, second/third, and third/fourth years. The curriculum is designed to give students experience in all phases of clinical dentistry.

The dental curriculum consists of three principal areas: basic health sciences courses, didactic dental courses, and clinical experience. The first two years of the curriculum are chiefly devoted to didactic, laboratory, and general clinical coursework. The final two years emphasize training and instruction in clinical fields, including endodontics, fixed prosthodontics, operative dentistry, oral diagnosis and treatment planning, oral radiology, oral and maxillofacial surgery, anesthesiology, orthodontics, pediatric dentistry, periodontics, and removable prosthodontics.

Postgraduate Programs

Opportunities for postgraduate study include a one-year general practice residency program; a one-year advanced education in general dentistry program; a one-year residency in maxillofacial prosthodontics; a six-year oral and maxillofacial surgery residency training program; three-year prosthodontics, periodontics, orthodontics, and dental anesthesiology programs; two-year programs in the specialties of endodontics, oral radiology, and orofacial pain and dysfunction; and a 26-month program in pediatric dentistry.

Information on postgraduate programs can be obtained by visiting the school **post-DDS programs** web page.

Professional Program for International Dentists

In addition, the school has a Professional Program for International Dentists (PPID) and a number of dental specialty residency programs. For information on the MS and PhD programs in Oral Biology, for which admission to the School of Dentistry is not required, see **program requirements for UCLA graduate degrees**.

School of Education and Information Studies Overview

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Christina A. Christie, PhD, *Dean*

School of Education and Information Studies
1009 Moore Hall
310-825-8326
School e-mail

The School of Education and Information Studies (SE&IS) at UCLA is dedicated to inquiry, advancement of knowledge, improvement of professional practice, and service to the education and information professions. SE&IS develops future generations of scholars, teachers, information professionals, and institutional leaders. Its work is guided by the principles of individual responsibility and social justice, an ethic of caring, and commitment to the communities it serves.

Faculty members and students of SE&IS combine a passion and skill for cutting-edge research with an appreciation for its application in the widely diverse cultures and communities in which it exists. These communities serve as fertile training ground for students in all programs, through internships, research projects, summer placements, and teaching opportunities.

SE&IS is committed to the highest-quality professional education, and to the application of research and scholarship to the challenges facing a diverse and increasingly urbanized world.

Departments and Programs

> **You're now viewing the 2024-25 Catalog**

The school consists of two departments—**Education** and **Information Studies**. Both have a clear and strong commitment to the pursuit of excellence in their research-oriented and professional degree programs.

Research-oriented master's and doctoral programs prepare top scholars in their respective fields; while future librarians, archivists, information professionals, teachers, student affairs practitioners, school administrators, transformative coaches, and superintendents are prepared in the various professional master's and doctorate degree programs. The UCLA Lab School (Corinne A. Seeds campus) and the UCLA Community School offer innovative educational programs for pre-K-6 and K-12 students, respectively. The Horace Mann UCLA Community School brings together resources to help young people thrive in the South Los Angeles area.

Credential Programs

The school offers two credential programs accredited by the California Commission on Teacher Credentialing:

- Preliminary Administrative Services Credential
- Teacher Credential

Undergraduate Admission

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Students are admitted with a declared pre-major in the College of Letters and Science. See the **Education and Social Transformation BA** for information on applying to the major.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and major requirements for the Bachelor of Arts degree.

School of Education and Information Studies
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

College Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. Foreign Language
7. Diversity
8. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture

Foundations of Scientific Inquiry

Major Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, school, or major requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. Students who do not satisfy the Entry-Level Writing requirement prior to enrollment must pass an approved course or other program prescribed by their UC campus of residence. Only after satisfying the Entry-Level Writing requirement can they take an English composition course for transfer credit after enrolling at UCLA. See **degree requirements** in Undergraduate Study for details.

School Requirements

You're now viewing the 2024-25 Catalog

There are eight requirements that must be satisfied for the award of the degree.

Unit Requirement

Students must satisfactorily complete for credit a minimum of 180 units for the bachelor's degree. At least 60 of the 180 units must be upper-division courses numbered 100 through 199. A maximum of 216 units is permitted. Students with Advanced Placement Examination or International Baccalaureate Examination (transfer) credit may exceed the unit maximum by the amount of that credit.

After 216 quarter units, enrollment may not normally be continued in the school without special permission from the dean.

Credit for upper-division tutorials numbered 195 through 199 is limited to 16 units taken for a letter grade. No more than eight units of freshman seminars may be applied toward the degree.

Scholarship Requirement

Students must earn at least a 2.0 (C) grade-point average (GPA) in all courses undertaken at UCLA to receive a bachelor's degree.

Students must also earn a 2.0 GPA in the major and satisfy both the course and scholarship requirements for the major, including preparation for the major.

Academic Residence Requirement

Students are in residence while enrolled and attending classes at UCLA with a declared major in the School of Education and Information Studies. Thirty-five of the final 45 units completed for the bachelor's degree must be earned in residence at the school.

For students who transfer from another institution, from UCLA Extension, or from another College or school with senior standing, of the 35 units earned while in residence, 28 must be upper-division units, including 16 upper-division units in the major department. Courses in UCLA Extension may not be offered as part of this residence requirement.

Students enrolled in the Education Abroad Program (EAP) must satisfy the residence requirement by earning 35 of their final 90 units in residence at the school.

Foreign Language Requirement

The foreign language requirement may be satisfied by one of the following methods: scoring 3, 4, or 5 on the College Board Advanced Placement (AP) foreign language examination in Chinese, French, German, Italian, Japanese, or Spanish, or scoring 4 or 5 in Latin; presenting a UCLA foreign language departmental examination score indicating competency through level three; or completing a college-level foreign language course equivalent to level three or above at UCLA with a C or Passed or better grade.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the foreign language and reciprocity requirements.

International students may petition to use an advanced course in their native language for this requirement. Students whose entire secondary education has been completed in a language other than English may petition to be exempt from the foreign language requirement.

Courses that may be used to fulfill this requirement are published on the Registrar's **foreign language requirement** web page.

Diversity Requirement

The **diversity requirement** may be satisfied by completing one course from the faculty-approved list of courses. Courses used to satisfy the diversity requirement are approved by the school Faculty Executive Committee. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable). Applicable courses may also fulfill major, minor, or elective requirements and, if approved for general education (GE) credit, may fulfill a GE requirement. A list of approved courses is available in the **Schedule of Classes**.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. Two courses in English composition are required for graduation. Both courses must be taken for letter grades, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English, or completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Qualifying examination scores and courses are determined by the school Faculty Executive Committee.

Writing II

The Writing II requirement must be satisfied within seven terms of enrollment by completing one course from a faculty-approved list of **Writing II courses**; see the Registrar's **Writing II requirement** web page

for details. Courses that satisfy the requirement are denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may also fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I, Writing II, and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

Quantitative Reasoning Requirement

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The quantitative reasoning requirement may be satisfied by completing one approved UCLA course (see list below) or an equivalent course within the first seven terms of enrollment. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable).

The requirement may also be satisfied by achieving an SAT Mathematics section score of 620 or better, or an SAT Subject Test in Mathematics score of 550 or better, or an ACT Mathematics Test score of 26 or better. Approved UCLA courses and examinations, and qualifying scores, are determined by the school Faculty Executive Committee.

Applicable courses may also fulfill preparation for the major requirements and, if approved for general education (GE) credit, may fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the quantitative reasoning and reciprocity requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level quantitative reasoning course that Undergraduate Admission accepts as equivalent to those approved by the school Faculty Executive Committee. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Applicable courses may also fulfill major, minor, or elective requirements and, if approved for diversity or writing, may fulfill the diversity requirement and/or Writing II requirement.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Ten courses (47 units minimum) are required. GE-approved Writing II courses may fulfill an appropriate foundational area. See the foundational area descriptions below for a breakdown of courses required.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement, complete 40 percent of their general education requirements, and receive laboratory/demonstration credit where appropriate.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. Courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities, and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Four courses, two from each subgroup. One 5-unit course from either subgroup must include laboratory credit. Other courses in the subgroups may be 4 units:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, laboratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, contact an academic adviser or see the **master list**.

School of Education and Information Studies
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences 2 courses
Physical Sciences 2 courses
One of the four courses must be 5 units and carry laboratory credit. Other courses in the subgroups may be 4 units.
Total = 17 units minimum

Total GE 10 courses/47 units minimum

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses and have met all GE requirements prior to enrolling at UCLA are not required to complete the school GE requirements. Written verification from the dean at the other UC campus is required. Consult with a school counselor regarding eligibility for this option.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE or transfer core courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all GE requirements are fulfilled when students complete the IGETC courses.Two types of requirements must be satisfied for the award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Departments set requirements for minors.

Major and Minor Requirements

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Major Requirements

Preparation for the Major

Admission to the major requires completion of a set of courses known as preparation for the major. Applicants are admitted to pre-major status until requisite courses are satisfactorily completed. See **majors**.

The Major

A major consists of a group of coordinated upper-division courses and shall be designated as schoolwide, departmental, interdepartmental, or individual. Each course applied toward the major and preparation for the major must be taken for a letter grade unless otherwise stipulated.

A major consists of a minimum of 40 upper-division units.

Students must complete their major with a scholarship grade-point average of at least 2.0 (C) in all courses in order to remain in the major.

See **majors** for more details.

Double Majors

Double majors between the school and other academic units are permitted. Students must be able to complete the proposed double major within the 216-unit limit.

Minors

Students may choose to pursue a minor to complement their major program of study. Minors consist of no fewer than seven courses (28 units) and no more than nine courses (36 units). Some minors also have admission requirements.

For a list of minors and specializations, see the **minors list**; descriptions are in the **individual department**.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

The study list is a record of classes that a student is taking during a particular term. Each term the study list must include from 12 to 20 units. After the first term, students may petition to enroll in more than 20 units if they have an overall grade-point average of 3.0 (B) and attained at least a 3.0 (B) grade-point average the preceding term with all courses passed.

First-term transfer students from any other UC campus may carry excess units on the same basis as students who have completed one or more terms at UCLA; however, they are not encouraged to do so.

Minimum Progress

Students are expected to complete satisfactorily at least 36 units in any three consecutive terms while in residence; they are placed on probation if they fail to pass these units. They are subject to dismissal if they fail to pass at least 32 units in three consecutive regular terms while in residence.

Changing a Major

Students in good academic standing who wish to change their major may petition to do so provided they can complete the new major within the 216-unit limit and are on track to graduate on time. Petitions must be submitted to and approved by the department or committee in charge of the new major. Admission to certain majors may be closed or restricted; changes are normally not permitted if students are on probation or have begun their last term.

Students who fail to attain a grade-point average of 2.0 (C) in preparation for the major or major courses may be denied the privilege of entering or continuing in that major.

Re-entering Students and Their Majors

Students returning to UCLA to resume their studies after an absence of several years may find their previous major area of study is no longer available. They must select a current major in which to complete their studies. Consult with an academic adviser for assistance.

Concurrent Enrollment

Enrollment at a non-UC institution or UCLA Extension while enrolled at UCLA is not permitted except in extraordinary circumstances. No credit is given for courses taken concurrently elsewhere without the approval of the school.

Credit Limitations

The following credit limitations apply to all undergraduate students. In many cases, units are not deducted until the final term before graduation. Students with questions should consult with an academic adviser.

Transfer students with credit from other institutions (advanced standing credit) receive a Degree Audit from Undergraduate Admission indicating the transferable units from former institutions; however, the following credit limitations may reduce the total number of transferred units that apply toward the degree in the school. Consult with an adviser about these limitations.

Upper-Division Tutorials

No more than 8 units of credit may be taken per term in upper-division tutorials numbered 195 through 199. The total number of units allowed in such courses for a letter grade is 16; see the specific restrictions of each department.

Graduate Courses

Undergraduate students who wish to take courses numbered in the 200 series for credit toward a specific degree requirement must petition for advance approval of the department chair and the dean of the school. Courses numbered in the 300, 400, and 500 series may not be applied toward the degree.

Academic Advising Services

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The school offers advising, program planning in the major and general education requirements, and individual meetings with school and departmental counselors. For counseling information, contact the Office of Student Services, 1002 Moore Hall.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors and programs:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.925 grade-point average (GPA) in any one term, with at least 12 graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean's Honors in any given term if they receive an Incomplete grade. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor's degree with Latin honors. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average at graduation that places them in the top 20 percent of the school (GPA of 3.925 or better) for *cum laude*, the top 10 percent (GPA of 3.972 or better) for *magna cum laude*, or the top five percent (GPA of 4.000) for *summa cum laude*. Coursework taken on the Education Abroad Program is applied toward Latin honors at graduation. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year (fall, winter, spring, summer) determine student eligibility. Students should consult their Degree Audits, or the Registrar's **Latin honors** web page for the most current Latin honors calculations.

Graduate Study

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Admission

Admission criteria established by the UCLA Graduate Division require a bachelor's degree from a regionally accredited institution comparable in standards and content to a bachelor's degree from the University of California. A cumulative scholastic grade-point average of B (3.0 on a 4.0 scale) or better—or its equivalent if the letter grade system is not used—is required for undergraduate study and in any postbaccalaureate study. Additional requirements for **international applicants** are explained in Graduate Study. See the Graduate Division **admissions** website.

Departments and programs in the school set additional admission requirements. See the **school admissions** web page.

Degree Requirements

Specific degree requirements vary according to the department and program. Refer to **program requirements for UCLA graduate degrees**.

Research Centers and Institutes

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The centers and institutes below furnish SE&IS with valuable resources that support school programs and research. See **research centers**.

Black Male Institute

The **Black Male Institute** (BMI) is a cadre of scholars, practitioners, community members, and policymakers dedicated to improving the educational experiences and life chances of black males. Educational settings are considered to be critical spaces for developing informed action to address black male persistence in schooling, recognizing that the challenges that impact the academic success of black males are manifold, be they economic, social, legal, or health-related.

CalKIDS Institute

The UCLA **CalKIDS Institute** amplifies, strengthens, and evaluates the new statewide children's savings account program, the California Kids Investment and Development Savings Program (CalKIDS). The institute is committed to economic equity, higher education access, and the financial well-being of families.

Center for Community Schooling

The **Center for Community Schooling** is a campus-wide initiative to advance university-assisted community schools. As stable anchor institutions, universities play a unique role as K-12 community school partners. Its research, teaching, and service missions inform and are informed by the work of local schools and communities.

Center for Critical Internet Inquiry

The work of the **Center for Critical Internet Inquiry** (C2i2) explores interdisciplinary intersections of digital technologies and society, with the goal of creating fairness, justice, equity, and sustainability in relationship to our technological engagements.

Center for Critical Race Studies in Education

The **Center for Critical Race Studies in Education** (CCRSE) along with the staff, visiting scholars, and invited authors are dedicated to producing and publishing research with the goal of exploring questions related to theoretical frameworks, methodology, methods, conceptual tools, and practice associated with critical race studies.

Center for Dyslexia, Diverse Learners and Social Justice

The **Center's** aim is to provide local, state, national, and global leadership in the field, leveraging groundbreaking advances in cognitive and neurosciences, linguistics, and education to inform and transform K-12 teaching and learning.

Center for Information as Evidence

The **Center for Information as Evidence** (CIE) is an interdisciplinary forum to address the ways in which information objects and systems are created, used, and preserved as legal, administrative, scientific, social, cultural, and historical evidence. CIE is committed to incorporating perspectives from ethnic communities around the world, to sustain the diversity within indigenous cultural heritages and broaden methods of information analysis and conservation.

Center for Knowledge Infrastructures

The **Center for Knowledge Infrastructures** (CKI) conducts research on scientific data practices and policy, scholarly communication, and sociotechnical systems. It explores methods of data collection, innovations in scaling and workflows, and multidisciplinary approaches to complex problems.

Center for Research and Innovation in Elementary Education

The **Center for Research and Innovation in Elementary Education**, also known as CONNECT, links nationally recognized researchers with teachers and administrators at UCLA Lab School and public schools in Southern California to investigate central issues in education. Programs examine children's learning and development from preschool to sixth grade; investigate teaching diverse student populations; encourage exchange of ideas among scholars, practitioners, and policymakers concerned with child development and school reform; and disseminate effective educational approaches and research.

Center for Research on Evaluation, Standards, and Student Testing

The **Center for Research on Evaluation, Standards, and Student Testing** (CRESST) is devoted to educational research, development, training, and dissemination. CRESST supplies leadership in these areas by creating new methodologies for evaluating educational quality, creating new designs for assessing student learning, promoting the sound use of assessment data, setting the national research agenda, and influencing practice.

Center for the Transformation of Schools

The **Center for the Transformation of Schools** (CTS) conducts research and develops tools to help education systems place a commitment to equity at the center of their work.

Center X

Center X offers a unique setting where researchers and practitioners collaborate to design and conduct programs that prepare and support K-12 education professionals committed to social justice, instructional excellence, the integration of research and practice, and caring in low-income urban schools.

Children's Understanding of Economic and Social Inequality Lab

The **Children's Understanding of Economic and Social Inequality** (CUESI) Lab examines children's experiences of social inequality, and its influence on their academic and social outcomes. The lab's

research examines the extent to which contextual factors such as poverty, immigration, and social policies, influence family dynamics and, in turn, children's developmental outcomes.

Civil Rights Project/Proyecto Derechos Civiles

The **Civil Rights Project/Proyecto Derechos Civiles** (CRP) research center is dedicated to creating a new generation of research in social sciences and law on the critical issues of civil rights and equal opportunity for racial and ethnic groups in the U.S. It has commissioned more than 400 studies, published 14 books, been cited in major Supreme Court decisions on affirmative action, and issued numerous reports from authors at universities and research centers across the country.

Community Archives Lab

The **Community Archives Lab at UCLA** explores the ways that independent, identity-based memory organizations document, shape, and provide access to the histories of minoritized communities.

Higher Education Research Institute

The **Higher Education Research Institute** (HERI) conducts research, evaluation, information, policy studies, and research training in postsecondary education. The HERI research program includes the outcomes of postsecondary education, leadership development, institutional transformation, faculty performance, federal and state policy, and educational equity; and houses the Cooperative Institutional Research Program (CIRP), the largest ongoing national study of college students in the U.S.

Institute for Democracy, Education, and Access

The **Institute for Democracy, Education, and Access** (IDEA) seeks to understand and challenge pervasive racial and social class inequalities in education. In addition to conducting research and policy analysis, IDEA supports educators, public officials, advocates, community activists, and young people as they design, conduct, and use research to make high-quality public schools and successful college participation routine occurrences in all communities. IDEA also studies how research combines with strategic communications and public engagement to promote widespread participation in civic life.

Momentum: Accelerating Equity in Computing and Technology

Momentum employs mixed-methods approaches to conduct cutting-edge research on efforts to diversity computing and technology fields.

Paulo Freire Institute

The **Paulo Freire Institute** (PFI) seeks to gather scholars and critics of Freire's pedagogy in permanent dialog to foster the advancement of new pedagogical theories and concrete interventions in the real world. PFI brings together research, teaching, and technology while concentrating on five major areas: studies of globalization and education, teacher education, a comparative perspective on Latin American education, the politics of education, and Paulo Freire's political philosophy and critical pedagogy.

Pritzker Center for Strengthening Children and Families

The **UCLA Pritzker Center for Strengthening Children and Families** is focused on the needs of children and youth who are disconnected from traditional pathways to success, in particular foster youth.

Sudikoff Family Institute for Education and New Media

The **Sudikoff Family Institute for Education and New Media** utilizes the popular press and other media to disseminate the work of SE&IS scholars to policymakers, educators, and the general public. Sudikoff Fellows are selected each year from SE&IS faculty members to enhance awareness of critical issues related to education and information studies, by contributing to a variety of media that reach a lay audience or serve the public interest in some manner.

UCLA Capacity Building Center

The **UCLA Capacity Building Center** plays a unique role in cultivating impactful global partnerships. It synergizes the expertise of academics, practitioners, and policymakers in a shared mission of co-learning and equal partnerships. The center's aim is to strengthen both human and institutional capacities through reflective inquiry and strategic collaboration. Committed to advancing stakeholder participation and realizing the concept of local ownership as a tangible outcome, the center focuses on impactful changes that meaningfully improve lives. Its ultimate goal is to spark a wave of empowerment, connecting, and strengthening communities around the common goal of prioritizing local solutions to local challenges.

UC/CSU California Collaborative for Neurodiversity and Learning

The **UC/CSU California Collaborative for Neurodiversity and Learning** believes that improving literacy is one of the great civil rights issues of this generation. Californians must work together to secure equal access to quality literacy instruction for all their children. Doing so is key not only to children's literacy and well-being, but also to communities, democracy, and economy. The collaborative was established in June 2019 by Assembly Bill AB 1703. The collaborative represents a historic and critical investment in the state's children with dyslexia and other literacy challenges.

School of Law Overview

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Michael E. Waterstone, JD, *Dean*

School of Law
1242 Law Building
310-825-4841

By any standard, UCLA School of Law is recognized as one of the nation's great law schools. Each year a lively, talented, and diverse law student population assembles in a rigorous, innovative, and supportive environment. Faculty members frequently receive awards for teaching excellence, and are highly regarded University-wide and nationally. They also are recognized worldwide for their scholarship in a broad spectrum of fields that dramatically affect the world—constitutional law, environmental law and policy, human rights, criminal law, corporate law, corporate governance, employment law, international law, immigration law, and intellectual property, to name a few. The structure of U.S. democracy; the underpinnings of individual liberties and regulation of business; the powerless; the many permutations of a race-conscious society—all are subjects of investigation and study. Faculty members are committed to being intellectually and professionally demanding of students and supportive at the same time, encouraging and fostering a genuine spirit of collaboration and community.

Law students select courses from an intellectually rich curriculum. Courses are taught in both traditional and clinical settings, with some offered as part of coordinated concurrent degree programs or specializations in business law and policy; critical race studies; environmental law and policy; international and comparative law; law and philosophy; media, entertainment, technology, and sports law; technology, law, and policy; and public interest law and policy. Situated at a major gateway to the Pacific Rim, and part of an outstanding research university, UCLA School of Law affords law students myriad interdisciplinary opportunities in the classroom and through independent research.

The school's nationally recognized experiential education program offers sophisticated courses that help students develop core lawyering skills, implement integrated advocacy strategies to solve clients' problems, and gain from their UCLA education a deeper understanding of what it means to be a lawyer. The experiential education curriculum includes courses that help students develop expertise in client

interviewing and counseling, negotiation, business transactions, trial advocacy, community lawyering, environmental law, human rights, and criminal justice. Law clinics offer students opportunities to provide direct representation and policy advocacy to clients in areas including immigration law, veterans advocacy, and prisoners' rights. Their client communities span a broad spectrum, from artists pursuing film careers to incarcerated individuals seeking pardons.

The technologically advanced, spacious, and comfortable Hugh and Hazel Darling Law Library—replete with natural lighting and views—houses an extensive collection of legal materials.

Successful professional placement of graduates is a hallmark of the law school. Approximately 400 interviewers from law firms, corporations, government agencies, and public interest organizations across the country participate in campus events annually. More than 18,000 UCLA graduates work in coveted positions in California and around the world, serving in law firms and government agencies and working as in-house counsel, business executives, law professors, judges, and lawmakers.

Master's and Doctor of Juridical Science Degrees

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Master of Laws Degree

The School of Law offers a **Master of Laws** (LLM) degree program for international and domestic law school graduates who wish to pursue a year of graduate legal education. The program allows students to specialize their studies in fields such as entertainment law, international and comparative law, and four separate business law subjects; or to design their own specialization in a field of their choice.

Master of Legal Studies Degree

The **Master of Legal Studies** (MLS) degree program is designed for non-lawyer professionals in business, government, and the nonprofit sector who seek to advance their careers and capabilities by obtaining an advanced degree and a deep understanding of the legal and regulatory issues that impact their industry or field of interest. Full-time students can finish the degree in one academic year, part-time students may take as many as four years. An MLS degree does not entitle the holder to sit for the bar exam or become a licensed lawyer.

Doctor of Juridical Science Degree

The **Doctor of Juridical Science** (SJD) degree program is designed for those seeking to pursue careers as teachers and scholars of law. The highly selective program is open only to applicants who possess a distinguished prior academic record in law, show promise of outstanding scholarship, and demonstrate a

high potential for completing a scholarly dissertation of required quality. Applicants must hold a JD degree or foreign equivalent and an LLM degree (or be enrolled in a program leading to an LLM degree).

Juris Doctor Degree

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UCLA School of Law has as one of its central purposes the training of attorneys who attain high levels of professional excellence and integrity, and who exercise civic responsibility in myriad ways over long careers.

Admission

By the time of enrollment, UCLA Law applicants must have a bachelor's degree that has been awarded by an institution that is accredited by an accrediting agency recognized by the U.S. Department of Education. For students educated outside of the U.S., the undergraduate degree must be from an institution that is equivalent in quality to that of institutions accredited by an accrediting agency recognized by the U.S. Department of Education. UCLA requires students take a standardized test for admission—either the **Law School Admission Test** (LSAT) or the **Graduate Record Examination** (GRE). For questions about UCLA Law's admissions requirements, see **information for first-year applicants** or send e-mail the **school admissions office**.

UCLA Law seeks to admit students of outstanding intellectual ability who will bring a wide range of backgrounds, experiences, and perspectives to the classroom and the legal profession. Through long experience, the faculty has concluded that the quality of the education of each student is affected in significant ways by the presence of vital diverse viewpoints. Students of all backgrounds choose to come to UCLA in significant part because of UCLA Law's outstanding achievements in creating a highly diverse educational environment.

In evaluating each applicant, the school places substantial weight on traditional measures of academic ability, namely grades and standardized test scores—specifically LSAT and GRE scores. It also recognizes that other factors and attributes contribute greatly to a person's ability to succeed as a law student and lawyer including economic, physical, or other challenges that have been overcome; scholarly achievements such as graduate study, awards, and publications; the rigor of the undergraduate educational program undertaken; and letters of recommendation.

The school places special emphasis on socioeconomic disadvantage in the evaluation. The school also considers work experience and career achievement, community or public service, career goals, the ability to contribute to law school programs and specializations, evidence of and potential for leadership, language ability, unusual life experiences, and any other factors (except those deemed inadmissible by the Regents or by other applicable law) that indicate the applicant may make a distinctive contribution to UCLA Law or the legal profession.

Residence and Unit Requirements

Candidates for the Juris Doctor degree must pursue resident law school study for six semesters and successfully complete 87 units, at least 64 of which must be earned in regularly scheduled law class sessions. The residence requirements may be satisfied as follows: six semesters in regular session in this school; or two semesters in regular session (or equivalent) in a school that is accredited by the American Bar Association, coupled with four semesters in regular session (or equivalent) in this school.

Every first-year student must take the full schedule of required courses; second- and third-year students are required to take a minimum of 12 units and may not take more than 16 units each semester. Students complete a mandatory course in professional responsibility, a substantial analytical writing requirement, and six units of experiential coursework. In addition to the courses in the regular law school curriculum, students may take two courses for credit in other UCLA disciplines. Graduate students may enroll in upper-division law courses on a limited basis. Law courses are not open to non-UCLA students. Auditing of law courses is not permitted.

Attendance and Grades

The right to take examinations and the privilege of continuing as a student in the school are conditioned on regular classroom attendance. Information on the grading system, which is based on a letter-grade scale of A+ to F, and standards for satisfactory performance and for graduation may be obtained from the **assistant dean for academic affairs**.

Curriculum

Courses of instruction are offered within the school and supervised educational experiences outside it in an effort to enable students to think in new and clarifying ways and to prepare them for careers of practice and public service. To this end, the school employs several instructional techniques in a variety of subject areas.

In the first year of their legal education, students undertake intensive study of legal reasoning in fields that have historically dominated legal thought. Students begin with a pioneering week-long orientation program that immerses them in the fundamentals of the law school learning process. From there they embark on a formative first year of courses that historically have laid the foundation for law of all kinds: civil procedure,

constitutional law, contracts, and torts. In addition, an elective on law through scholarship in the second semester serves as a gateway to the upper-division curriculum.

In the second and third years, students have an opportunity to engage in a number of different fields of law and law-related study. All of the courses in the second- and third-year curricula are elective, with the exception of a mandatory course in criminal law, professional responsibility, property; a substantial analytical writing requirement; and six units of experiential coursework.

Academic Specializations for JD Degree

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Business Law and Policy

The Business Law and Policy specializations are designed for students who wish to focus their schooling in a particular area of business law and ultimately earn a certificate of completion with their degree. Students may choose from two specializations: business law and taxation. Approximately 70 courses and seminars are offered. In addition, there are two recommended tracks: corporate law and bankruptcy and commercial law, which offer additional guidance to students in course selection for the business law specializations. Business law materials are integrated to varying degrees in the law school's first-year curriculum, typically in property, contracts, and torts. The second- and third-year curricula in the specialization include courses covering a wide variety of legal and business issues, ranging from regulation of markets to the design of business transactions.

Critical Race Studies

UCLA School of Law is the only American law school to offer an advanced curriculum that fosters students' systematic and rigorous study in the area of critical race studies. With many faculty members who have been instrumental in pioneering and advancing critical race theory, the Critical Race Studies specialization is essential to promoting insightful, intelligent public conversation about race relations. It is appropriate for law students who seek advanced study and/or practice in race and the law, critical race theory, civil rights, public policy, and other legal practice areas that are likely to involve working with racial minority clients and communities or working to combat racial inequality.

Environmental Law

UCLA School of Law is home to the Emmett Institute on Climate Change and the Environment, a national leader in scholarship and advocacy and home to top professors who are on the legal front lines. These scholars teach the intricacies of environmental law, provide students with invaluable mentorship and offer them a substantial boost into impactful careers as drivers of law and policy at all levels of government. Students participate in a wide array of cutting-edge courses and experiential programs. These include the Frank G. Wells Environmental Law Clinic and the California Environmental Legislation and Policy Clinic, where students work directly with state lawmakers to address specific problems confronting the environment. Through the Emmett Institute, students travel to high-level meetings in California and a variety of overseas destinations where they confer with experts in the field. Students also write and edit the Journal of Environmental Law and Policy, complete externships at organizations including the Natural Resources Defense Council and collaborate on campus-wide symposia and initiatives to confront one of the biggest challenges of our time.

International and Comparative Law

The International and Comparative Law program is one of the best in the nation. An expansive law faculty, course offerings, colloquia and symposia, student-edited journals, externships, foreign exchange offerings, and a broad community of interested students from around the world constitute a rich milieu in which to learn about the field. The International and Comparative Law specialization builds on these strengths, and directs students to coursework that may range from international business to comparative constitutional law to international human rights.

Law and Philosophy

The Law and Philosophy specialization is designed for students who want to supplement their legal studies by exploring more theoretical issues concerning the philosophical foundations of law. It is invaluable to those students interested in attending graduate programs or exploring a career in academia. The specialization exposes students to material on the nature of law and legal systems, legal methodologies, and the theoretical underpinnings and justifications of particular doctrinal areas such as constitutional law, criminal law, and contract. Students need not have any prior background in philosophy, but a strong interest in the subject is recommended.

Media, Entertainment, Technology, and Sports Law and Policy

Los Angeles is the center of the entertainment industry. The Media, Entertainment, Technology, and Sports Law and Policy specialization is the most comprehensive, advanced, and innovative approach to the study of entertainment and media law in the country. Students who fulfill the requirements have a solid grounding in the law, customs, theory, and policy in the motion picture, television, music, and other industries involved in creative and artistic matters. The program also prepares students who choose to work in nonprofit institutions, government, or academia in the area of entertainment, media, and intellectual property law.

Public Interest Law and Policy

Recognizing the considerable debate about the proper role of the law in creating and sustaining a just society, the David J. Epstein Program in Public Interest Law and Policy specialization strives to offer its students an innovative and intellectually ambitious curriculum that prepares them to engage in sophisticated representation of traditionally underserved clients and interests. The specialization, one of the nation's top such programs, has a competitive admissions process. Graduates have received prestigious public interest law fellowships, including the Skadden and Equal Justice Works postgraduate fellowships, and work in a variety of settings, including nonprofit organizations, government agencies, think tanks, and private public interest firms. Graduates work throughout the world in a broad range of social justice issues such as homelessness prevention; immigrants' rights; health-care access; poverty; workers' rights; international human rights; criminal justice; lesbian, gay, bisexual, transgender, and queer rights; and more. Faculty members are leaders in their respective fields, and have distinguished themselves by the quality of their practical legal experience, scholarship, and teaching.

Technology Law

Technology law is a field of growing importance across the legal profession, and an area of increasing interest to students. In practical terms, law and technology practitioners engage across a range of different doctrinal areas including patent law, trademark law, copyright law, privacy law, antitrust, etc. These diverse fields have begun to coalesce into a distinct thematic area of scholarship and practice, as evidenced by the propagation of specialized law and technology journals (including at UCLA), and an expanding number of law firms which bill themselves as focusing on technology law. This specialization aims to support students' entry into career tracks related to technology, and provides a distinct home to students interested in this space, as well as career development, mentorship, and educational opportunities aimed at cultivating a mastery over this exciting and emerging field.

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Research Centers, Institutes, and Programs

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A. Barry Cappello Program in Trial Advocacy

The **A. Barry Cappello Program in Trial Advocacy** provides comprehensive training in the strategies and techniques required to be a successful trial lawyer. Through courses, clinical opportunities, and one of the best competition programs in the country, students learn how to prepare for and conduct jury selection, opening statements, direct and cross examinations, and closing arguments, as well as how to make and respond to evidentiary objections. Award-winning faculty, experienced trial lawyers, and nationally successful mock trial coaches lead the program.

Animal Law and Policy Program

The **Animal Law and Policy Program** is an institutional umbrella for various courses in animal law, including a clinical or simulation course through which students can learn practical legal skills in the role of hearing examiners in potentially dangerous dog disputes, and also includes a small grants program designed to encourage qualitative and quantitative empirical research that advances animal law and policy reform.

Center for Immigration Law and Policy

Founded in 2020, the **Center for Immigration Law and Policy** (CILP) at the UCLA School of Law expands the law school's role as a national leader in immigration law and policy. CILP generates innovative ideas at the intersection of immigration scholarship and practice; serves as a hub for

transforming those ideas into meaningful changes in immigration policy at the local, state, and national level; and empowers students with unique opportunities for experiential learning through work with academics, practitioners, policymakers, and activists. CILP pursues those goals by supporting faculty performing cutting-edge work in immigration law and policy; bolstering initiatives for student engagement including the Immigrant Family Legal Clinic, the Immigrants' Rights Policy Clinic and service-learning trips for UCLA Law students to border regions; engaging in strategic litigation; publishing briefings and reports on immigration policy; and hosting conferences and symposia featuring top national scholars.

Center for Law and Economics

The mission of the **Center for Law and Economics** is to foster academic scholarship exploring how economics can help us better understand and improve our laws. UCLA has one of the richest law and economics traditions in the world, and many of the founders of law and economics have made UCLA their academic home. The center, along with the Anderson Graduate School of Management and School of Law Lowell Milken Institute for Business Law and Policy, sponsors the UCLA Law, Economics, and Organization Workshop, where speakers present their latest works-in-progress in the broad area of law and economics as it relates to business organizations.

Criminal Justice Program

The **Criminal Justice Program** (CJP) serves as a central hub for UCLA Law's work in the area of criminal and juvenile law. Through CJP, students interested in criminal law may engage directly in a wide range of specialized courses, and also have opportunities to engage in research, policy advocacy, and client representation. Research undertaken by CJP faculty and staff help to inform criminal law and policy at both the national and local levels. This research has several key areas of focus including police brutality and accountability, criminal law and immigration enforcement, pretrial detention and bail policy, collateral consequences of criminal convictions, youth justice and the family regulation system, restorative and transformative justice, and alternatives to policing and prosecution.

Critical Race Studies Program

Throughout American history, race has profoundly affected the lives of individuals, growth of social institutions, substance of culture, and workings of our political economy. Not surprisingly, this impact has been substantially mediated through the law and legal institutions. To understand the deep interconnections between race and law and, particularly the ways in which race and law are mutually constitutive, is an extraordinary intellectual challenge with substantial practical implications. In a nation that is becoming more racially diverse and finds global issues at the forefront of political debate, these issues promise to remain central to the work of law practitioners and the research of legal scholars. The only one of its kind in the U.S., the **Critical Race Studies Program** is proud that some of the original architects of critical race theory are faculty members. Established in 2000, the program is a training

ground for a new generation of practitioners, scholars, and advocates committed to racial justice theory and practice; and is a multifaceted program that augments a rigorous course of study with research colloquia, symposia, interdisciplinary collaborations, and community partnerships in order to integrate theory and practice.

David J. Epstein Program in Public Interest Law and Policy

The school's highly selective **David J. Epstein Program in Public Interest Law and Policy** was established in 1997 in response to the need to better train public-interest lawyers. It quickly became one of the nation's most innovative and successful law school public-interest programs, engaging students in an array of social justice issues. The program strives to ensure that its students pursue an innovative and intellectually ambitious curriculum, and extracurricular involvement that best prepares them to engage in sophisticated representation of traditionally underserved clients and interests. Beyond the formal coursework, the program offers an array of opportunities for students to hear from leading public-interest practitioners and scholars, work on current policy problems, and become involved in public-interest activities within and outside the School of Law. The program also sponsors a series of forums, symposia, and activities that focus on social justice issues in which all students, faculty, alumni, and the broader community participate.

Emmett Institute on Climate Change and the Environment

The **Emmett Institute on Climate Change and the Environment** is the leading law-school center focused on climate change and other critical environmental issues. Founded in 2008, the institute works across disciplines to develop and promote research and policy tools useful to decision makers locally, statewide, nationally, and beyond. The institute houses the school's leading environmental programs, including the Frank G. Wells Environmental Law Clinic, a vital training ground for environmental lawyering. Taking advantage of its home at one of California's top law schools, the institute has particular expertise in the cutting-edge steps taken by California to lead the way toward meaningful reductions of greenhouse gas emissions. Lawmakers, the broader legal community, business leaders, academics, and the media rely on the institute as a trusted resource to analyze and answer questions about policy and law issues related to climate change and other environmental challenges.

Empirical Research Group

UCLA School of Law is one of the few law schools in the country to offer its faculty and researchers the support of trained methodologists to support empirical research. The **Empirical Research Group** (ERG)

specializes in the design and execution of quantitative research in law, the social sciences, and public policy. ERG enables faculty members to include robust empirical analysis in their legal scholarship and promotes interdisciplinary collaboration. ERG has been involved in research across a wide range of topics including bankruptcy, criminal justice, criminal and civil procedure, education, environmental policy, gender and sexual identity, housing, law and economics, tax policy, and voting rights. ERG trains and supervises law students and research assistants in research methods and works closely with law students who conduct their own empirical research.

Experiential Education Program

The School of Law has long been recognized for its innovative approach to experiential teaching that transforms the classroom into a real-world laboratory through the integration of theory and practice. It has been a national leader in clinical teaching since the early 1970s, and continues to offer rigorous practical training across a wide range of practice areas. Students gain crucial firsthand experience that prepares them for future careers, learning from faculty members whose knowledge and expertise place them at the forefront of experiential education.

From the first year, students have opportunities to receive training and hands-on experience by participating in the **El Centro Legal Clinics**. El Centro places students with public-interest legal services organizations to provide legal assistance to underserved individuals, families, and communities. Second- and third-year students can participate in a broad array of clinical and experiential courses that encompass all areas of legal practice—litigation, transactional, and public interest. In addition, second- and third-year students can do part-time and full-time externships, working for judges, government agencies, public interest law firms, and nonprofit organizations.

The experiential education program is led by exceptional faculty members—visionary scholars who have contributed the cornerstone ideas that form the basis of clinical training, as well as a new generation of leaders who are bringing experiential education into areas of the legal profession that have long remained outside the scope of hands-on training.

Externships and Field Placements

Through the School of Law's extensive and diversified **externship program**, students can work in a supervised environment with a wide variety of employers and in a diverse range of practice areas. Students are able to extern with judges, government agencies, nonprofit organizations, or in some circumstances, entertainment and other in-house placements. They also may participate in the **UCDC Law Program**, a full-time externship program in Washington, DC. The field placement program brings together faculty members, students, and practicing lawyers to collaborate and connect classroom learning with practice opportunities.

International and Comparative Law Program

The **International and Comparative Law Program** offers a wealth of courses, seminars, and clinics, prominent symposia, international moot court opportunities, and highly regarded student-edited journals that address the emerging challenges of a globalized world. Permanent faculty members offer numerous international and comparative law courses such as international business transactions, national security law, international environmental law, international criminal law, European Union law, and Islamic law. The study of international and comparative law is further strengthened by the opportunity to take courses in other UCLA departments. Some of the country's best work in international economics, politics, and business occurs at UCLA, and many law students find it valuable to complement their law school work with coursework in other departments. Students may also pursue joint degrees with other departments with the approval of the law school administration.

Institute for Technology, Law and Policy

The UCLA **Institute for Technology, Law and Policy** is a collaboration between the UCLA School of Law and the Samueli School of Engineering whose mission is to foster research and analysis to ensure that new technologies are developed, implemented, and regulated in ways that are socially beneficial, equitable, and accountable. The institute brings together faculty and students from the law and engineering schools to conduct research, convene events, and engage the wider academic community and the public about the benefits and risks of technologies including artificial intelligence and machine learning, extended reality, cybersecurity, and digital media and communications.

Law and Philosophy Program

The School of Law and the Philosophy Department offer an exciting **program in law and philosophy** that takes advantage of the law faculty's strength and depth in the subject, and the school's close relationship to the Philosophy Department. The program has many dimensions, including a wide range of courses at the intersection of law and philosophy and a legal theory workshop, open to all members of the law school and Philosophy Department, in which leading scholars present works in progress.

Lowell Milken Institute for Business Law and Policy

The central mission of the **Lowell Milken Institute for Business Law and Policy** is to influence national legal and policy debate over critical issues affecting the regulation and governance of business. The institute seeks to fulfill this mission by promoting innovative research at the intersection of law and business, by a highly respected and widely recognized business law faculty; by offering a unique blend of

policy and practice-oriented courses designed to prepare law students to be leaders in the new economy; and by hosting timely conferences and scholarly events on matters that advance the public discussion.

Native Nations Law and Policy Center

The **Native Nations Law and Policy Center** supports Native nations to enhance their governmental institutions and laws, strengthen their cultural resource protections, and address critical public policy issues by bringing together UCLA academic resources and the knowledge and experience of tribal leaders and knowledge-holders. The center serves as the home for the concurrent Juris Doctor/American Indian Studies MA program; the Richard M. Milanovich Fellowship in Law, the first-of-its kind fellowship supported by the Agua Caliente Band of Mission Indians devoted to the promotion of Native American legal scholarship; the Graton Scholarship, a three-year, full tuition scholarship for five UCLA Law students annually seeking legal careers in Native American law; numerous courses devoted to the study of Native American law, tribal law, and Indigenous rights; and the Tribal Legal Development Clinic, a year-round legal clinic that connects Native nations with law students in projects such as code development and serving as law clerks for tribal courts.

Office of Public Interest Programs

UCLA School of Law has a long-standing commitment to public service, and is committed to cultivating an environment that encourages all of its students and alumni to better serve society in myriad ways. Students gain significant exposure and experience in public service through clinical courses, a pro bono program, an externship program, extensive public interest advising and informational programming, and numerous student organizations. The **Office of Public Interest Programs**, hub of the school's public interest efforts, hosts a variety of career-oriented programs and relevant public interest forums and events in which students, faculty, alumni, and the broader community participate. The office also hosts the annual Southern California Public Interest Career Day, which attracts more than 110 public service employers and some 1,000 students from around the region.

Prison Law and Policy Program

The **Prison Law and Policy Program** serves as a hub connecting students and faculty committed to understanding and challenging the American carceral system. Through a focus on prisons and jails, it aims to shed light on the way the law structures all aspects of the contemporary experience of criminal punishment in the U.S. Its main goals are to train the next generation of prisoners' rights lawyers and to expose the broader law school community to the practices of American penalty and the issues of law, policy, justice, and morality these practices raise. Program initiatives include the Incarcerated Persons Correspondence Project, the Incarcerated Persons Pen Pal Project, the Prison Accountability Project, and the Behind Bars Data Project.

Program on Legal Ethics and the Profession

The **Program on Legal Ethics and the Profession** provides students with a foundation in legal ethics through classes and events focused on the ethical responsibilities of counsel and the legal profession's commitment to public service and access to justice. By fostering discussion and the practical and scholarly exchange on the central challenges of contemporary legal practice, the program trains the next generation of lawyers and professional leaders to identify solutions to resolve complex ethical problems.

Program on Understanding Law, Science, and Evidence

Founded in 2009, the **Program on Understanding Law, Science, and Evidence** (PULSE) explores the many connections between law and science, technology, and evidence. PULSE engages in interdisciplinary research, discussion, and programming to examine how basic facts about our world, furnished through science and credited as evidence, influence various venues of law and policymaking.

The Promise Institute for Human Rights

The Promise Institute for Human Rights is the innovative center for human rights education, research, and impact at UCLA School of Law. Leveraging the creativity and dynamism of Los Angeles, the institute seeks to reimagine the potential of human rights to address some of the most pressing issues of our time.

The institute brings together leading experts in international law and human rights. From its rich curriculum to our broad array of focus areas and projects, it empowers the next generation of human rights lawyers and leaders.

Resnick Center for Food Law and Policy

The **Resnick Center for Food Law and Policy** is dedicated to studying and advancing law and policy solutions to improve the modern food system. A national think tank at the school, the program develops key legal and policy research and tools to foster a food system, from farm to fork, that is healthy both for consumers and the environment.

Transnational Program on Criminal Justice

The **Transnational Program on Criminal Justice** seeks justice across borders through examination of the principles, practices, and social conditions of criminal justice systems across the world. The program

produces timely, collaborative research to improve understanding on diverse topics at the intersection of criminal justice, comparative and international law, and human rights law.

UCLA Institute for Technology, Law, and Policy

The **UCLA Institute for Technology, Law, and Policy** performs cross-disciplinary research on the ways that new and emerging technologies affect society, privacy, law, and public policy. The institute is a collaboration between UCLA School of Law and the UCLA Samueli School of Engineering. The institute brings together faculty and students from the law and engineering schools to conduct research, convene events, and engage the wider academic community and the public about the benefits and risks of technologies including artificial intelligence and machine learning, robotics, cybersecurity, and digital media and communications.

UCLA-Rand Center for Law and Public Policy

The **UCLA-Rand Center for Law and Public Policy** is a unique partnership of UCLA Law and the RAND Corporation. The center promotes collaborative legal and policy research grounded in multidisciplinary empirical analysis to guide legal and public policymakers in the 21st century.

The center addresses topics as varied as medical malpractice, class actions, employment discrimination, and institutional reform. One of the center's largest ongoing projects is a large-scale data collection and analysis project on civil justice in Los Angeles Superior Courts. The center has expanded curricular offerings such as courses on policy analysis and advocacy, gerrymandering, and other law and policy topics.

Williams Institute

The **Williams Institute** is the only think tank of its kind dedicated to the field of sexual orientation and gender identity law and public policy. The institute supports legal scholarship, legal research, policy analysis, and education regarding sexual orientation, gender identity discrimination, and other legal issues that affect lesbian, gay, bisexual, transgender, queer, and other persons. The institute began with the recognition that issues central to sexual orientation and gender identity law have profound implications for the development of the law and public policy in general. Drawing on the intellectual and material resources of UCLA, the institute serves as a national center for the interdisciplinary exploration of these issues by scholars, judges, practitioners, advocates, and students.

Ziffren Institute for Media, Entertainment, Technology and Sports Law

The **Ziffren Institute for Media, Entertainment, Technology and Sports Law** supports and expands the curricular offerings of the Media, Entertainment, Technology and Sports Law and Policy specialization. The program helps students interested in learning more about entertainment law to earn externships with entertainment-related businesses, brings influential speakers to campus, and sponsors the industry's top legal conference on entertainment issues, the annual UCLA Entertainment Symposium. Students run an entertainment-related journal, the UCLA Entertainment Law Review; and the student organization, the Entertainment Law Association.

Ziman Center for Real Estate

Reflecting a growing interdisciplinary focus at UCLA, the School of Law formed a partnership in 2005 with the Anderson Graduate School of Management to create the **Ziman Center for Real Estate**. The center is firmly grounded in the scholarship and teaching missions of both schools, and offers practical application principles that help real estate industry professionals, public officials, and business people make critical policy and business decisions. The center truly bridges the divide between research and practice, and offers students a full range of coursework that supplies a holistic view of real estate issues.

School of Nursing Overview

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Lin Zhan, RN, PhD, FAAN, *Dean*

School of Nursing
2-147 Factor Building
310-825-7181
Student Affairs e-mail

The UCLA School of Nursing enjoys a national and international reputation for excellence in teaching, research, and clinical practice.

A strong scientific basis underlies the teaching of nursing practice, leadership, and research. Related clinical experiences are arranged within the Ronald Reagan UCLA Medical Center, its affiliates, and in selected community sites.

The bachelor's degree program prepares nurses as generalists with special skills in primary, secondary, and tertiary prevention and care within a population-based context; leadership; and evidence-based practice. The master's degree program prepares nurses as generalists in hospital-based care or for advanced nursing practice as nurse practitioners or clinical specialists in a variety of settings and specialized areas of health care. The PhD program prepares scholars who conduct original research, generate new theories, and build the scientific basis for professional nursing practice. Research is both basic and applied. The DNP program prepares nurses who are currently functioning at an advanced level of practice as nurse practitioners or clinical nurse specialists. The professional practice doctorate is designed to develop competencies for advanced clinical and leadership roles beyond the master's degree necessary for the higher levels of patient safety and quality of patient care. Leadership, health system knowledge, and quality—as well as health care policy and critical content—are emphasized in the curriculum.

The school has an exceptionally qualified faculty; many members have national and international reputations for excellence. The school is consistently ranked high for its teaching and research programs. The innovative curriculum is responsive to national needs in health care and the diversity of the patient population. Graduates of the program are sought by health care institutions and educational programs,

and many alumni have become leaders in the field. Education in this research university, with its full range of academic disciplines, offers a rich environment for preparation in the health sciences.

History and Accreditation

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In 1949, the Regents of the University of California authorized the School of Nursing as one of the professional schools of the UCLA Center for Health Sciences. This action paved the way in 1950 for the opening of an undergraduate traditional program in nursing leading to the Bachelor of Science (BS) degree. In 1997, the original traditional BS program curriculum was revised to meet the educational needs of students who are registered nurses with Associate Degrees or diplomas in nursing. In 2006, the school reinstated a traditional/prelicensure BS program with admission at the freshman level. In 2010, the BS (Generic/Prelicensure) program was renamed to the BS (Prelicensure) program.

In 1951, a graduate program leading to the Master of Science (MS) degree in Nursing was established to prepare baccalaureate graduates for advanced practice nursing roles. In 1966, the Master of Nursing (MN) degree was established as an alternate to the MS degree, which was discontinued in 1969. In 1996, the master's degree designation was changed from MN to Master of Science in Nursing (MSN), which is still awarded to graduates prepared as nurse practitioners and clinical nurse specialists. In 2006, the school launched the master's entry clinical nurse (MECN)/prelicensure option within the MSN degree program, which is designed for prelicensure students with bachelor's degrees or higher education in another discipline.

In 1986, the Doctor of Nursing Science (DNSc) degree program was approved, and in 1987 the first doctoral students were admitted. In 1995, the doctorate degree designation was changed from DNSc to PhD in Nursing. In 2013, an en-route MS option was established within the existing PhD program. In 2015, UCLA approved conversion of the DNSc degree to a PhD for former DNSc graduates.

In 2018, the Doctor of Nursing Practice (DNP) program was approved. Graduates of the DNP program will be the leaders for the translation of research into practice. The DNP degree is designed to meet the dynamic needs of the national health care system to improve quality of care, promote patient safety, and reduce cost.

The prelicensure (BS and MECN) and advanced practice master's programs are approved by the **California Board of Registered Nursing**. In 2020, the **Commission on Collegiate Nursing Education** (CCNE) renewed that accreditation for an additional 10 years.

School Philosophy

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The School of Nursing is guided by a philosophy that embodies the mission and goals of the University of California. The philosophy addresses nursing, the clients of nursing, and nursing students. The school is committed to an interdisciplinary learning environment.

Nursing encompasses clinical practice, education, research, consultation, leadership, management, and service to the profession; and to the local and global community. It involves individuals, families, groups, organizations, and communities as clients. The profession must consider the human and physical environments that interact with these clients who may have health conditions that range from wellness to illness. Nursing activities must therefore include health promotion and maintenance, intervention and treatment, rehabilitation and restoration, and palliation. At an advanced-practice level, nursing involves comprehensive health care that encompasses the responsibility and accountability for continuity of care across the health-illness spectrum.

Nursing research is both applied and basic; it has as its core actual or potential human responses to illness, and as its goal the development of nursing science. Guided by ethical standards that consider the perspectives of the client, the health care provider, and the larger society, nursing has a social mission that encompasses the right and responsibility to provide leadership in health policy and health care to all its clients regardless of disease status, gender, race, or culture.

People who receive client-centered nursing care are complex individuals who exist in relationship to others in their family and community. This complexity of person involves biological, behavioral, emotional, sociocultural, and spiritual dimensions. Each individual reflects a unique combination of these dimensions that interact dynamically with the environment. The clients of nursing are autonomous decision makers who have certain values and knowledge about themselves that are relevant and essential to successful health care outcomes. As a result, persons have a right and a responsibility to participate collaboratively in their care with the nurse and other health professionals.

Successful nursing students are active learners who bring unique gender, cultural, and ethnic life experiences to the professional practice of nursing. Students at all levels learn relevant theory, acquire practice skills, and are socialized into the profession of nursing. Increasing levels of complexity and

sophistication of learning and socialization are expected of students in the different programs. Whether at the beginning practice, advanced practice, or scholar level, nursing students learn to apply knowledge, skills, and professional attitudes in their practice that may include education, administration, and research. While students have the right and responsibility to participate in their own learning, faculty members have the right and responsibility to structure the teaching/learning environment to facilitate learning. Individual academic counseling and a variety of one-on-one, small-group, and interactive learning formats assist students to meet program and individual learning goals.

Undergraduate Admission

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New undergraduate students are admitted in fall quarter only. BS (Prelicensure) freshman students are admitted at the freshman level, and transfer students are admitted at the sophomore level. See the **Nursing** major for additional admission requirements.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and major requirements for award of a Bachelor of Science degree.

School of Nursing
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

College Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Quantitative Reasoning
6. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture
   - Foundations of Scientific Inquiry

Major Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, College, or major requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy in order to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. See **degree requirements** in Undergraduate Study for details.

School Requirements

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School Requirements

There are six requirements that must be satisfied for award of a degree.

Unit Requirement

Students must complete with a passing grade a minimum of 180 units. At least 83 of the 180 units must be upper-division courses numbered 100 through 199. A maximum of 216 units is permitted. Students with advanced placement or international baccalaureate credit may exceed the unit maximum by the amount of that credit.

Scholarship Requirement

A 2.0 (C) grade-point average is required in all work attempted at the University of California, exclusive of courses in UCLA Extension and those graded Passed/Not Passed. A 2.0 (C) grade-point average is also required in all upper-division courses in the major taken at the University of California, as well as in all courses applied toward the general education and UC requirements. Each required nursing course in the school must be completed with a C or better grade (a C− grade is not acceptable). Elective courses may be taken on a Passed/Not Passed basis with prior approval, according to the policy stated in **Academic Policies**.

Academic Residence Requirement

Students are in residence while enrolled and attending classes at UCLA with a declared major in the School of Nursing, and must complete all units in the junior and senior years in residence at the school.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. Two courses in English composition are required for graduation. Both courses must be taken for letter grades, and students must receive a grade of C or better in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Qualifying examination scores and courses are determined by the school Faculty Executive Committee.

Writing II

The Writing II requirement must be satisfied within seven terms of enrollment by completing one course from a faculty-approved list of **Writing II courses** and available in the Student Affairs Office; see the

Registrar's **Writing II requirement** web page for details. Courses that satisfy the requirement are denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses also approved for general education credit may fulfill the relevant general education foundational area.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I and Writing II requirements. No transfer student is admitted to the school without completing, with a C or better grade (C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

Quantitative Reasoning Requirement

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Students must demonstrate basic skills in quantitative reasoning. The requirement may be satisfied by completing one approved UCLA course (see list below) or an equivalent course within the first seven terms of enrollment. The course must be taken for a letter grade, and students must receive a C or better grade (a C− grade is not acceptable).

The requirement may also be satisfied by achieving an SAT Reasoning Test Mathematics Section score of 600 or higher or an SAT Subject Test in Mathematics score of 550 or higher. Approved UCLA courses and examinations, and qualifying scores, are determined by the school Student Affairs Committee. Approved courses are listed below.

If approved for general education (GE) credit, applicable courses may also fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the quantitative reasoning requirement. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level quantitative reasoning course that Undergraduate Admission accepts as equivalent to those approved by the Faculty Executive Committee. Approved courses include

Biostatistics 100
Life Sciences 20, 30A, 30B, 40
Mathematics 3A, 31A, 31AL
Philosophy 31
Political Science 6, 6R
Program in Computing 10A, 10B, 10C
Public Affairs 60
Statistics 10, 12, 13

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Ten courses (48 units minimum) are required. A course taken to meet the Writing II requirement may also be applied toward a GE requirement. Preparation for the major courses may overlap with the foundation courses.

Students must meet with the student affairs officer in the Student Affairs Office to determine the applicability of GE cluster courses toward Writing II or GE requirements.

Courses listed in more than one category can fulfill GE requirements in only one of the categories.

Foundations of the Arts and Humanities

Three 5-unit courses, one from each subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. The courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated. Because communication skills are essential in the nursing profession, Communication 10 is recommended for this foundational area.

Foundations of Scientific Inquiry

Four courses, two from each subgroup:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, consult with an academic counselor or see the **master list**.

School of Nursing
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis 1 course
Philosophical and Linguistic Analysis 1 course
Visual and Performance Arts Analysis and Practice 1 course
Total = 15 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences 2 courses
Physical Sciences 2 courses
Total = 18 units minimum

Total GE 10 courses/48 units minimum

One of the 10 courses may be a GE-approved Writing II course in an appropriate foundational area selected from a list published in the Schedule of Classes and available in the Student Affairs Office.

Preparation for the major courses may overlap with GE foundation courses.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges must fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Because of course sequencing and the rigor of the program, students must fulfill the general education requirements prior to transfer.

Additional requirements are listed under Admission and Preparation for the Major in the **Nursing major**.

Major Requirements

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There are two types of requirements that must be satisfied for award of a degree: preparation for the major and the major. See the **Nursing major** for details.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

The presentation of study lists by the students and their acceptance by the school evidences an obligation on the part of the students to faithfully perform the designated work to the best of their ability. Withdrawal from, or neglect of, any course entered on the study list—or a change in program could lead to a delay in degree completion.

Students are expected to follow the course sequence specified for their program. After the first term, they may petition to carry a study list exceeding 20 units, provided they have an overall grade-point average of 3.0 (B) or better and have attained at least a 3.0 (B) grade-point average in the preceding term with all courses passed.

Minimum Progress

Students are expected to complete satisfactorily at least 36 units during any three consecutive terms in residence; they are placed on probation if they fail to pass these units. Students are subject to dismissal if they fail to pass at least 32 units in three consecutive regular terms in residence.

Concurrent Enrollment

Enrollment at a non-UC institution or UCLA Extension while enrolled at UCLA is not permitted except in extraordinary circumstances. No credit is given for courses taken concurrently elsewhere without the approval of the school.

Credit Limitations

The following credit limitations apply to all undergraduate students enrolled in the school:

Advanced Placement Examinations

Credit earned through the College Board Advanced Placement (AP) Examinations may not be applied toward the general education requirements. Portions of AP Examination credit may be evaluated by corresponding UCLA course numbers (e.g., History 1C). If students take the equivalent UCLA course, unit credit for such duplication is deducted before graduation. See the school **AP table** for UCLA course equivalents.

Counseling Services

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The school gives direction and furnishes information to interested potential applicants to the BS program through admissions information sessions. The schedule for these sessions, program information, and applications are available on the **school website**.

On entry, students are assigned a faculty adviser to aid in planning their total program. Advisers and student affairs officers continue meeting with students each term to evaluate progress, identify academic and personal needs and match them with available school and UCLA resources, confirm UC and course requirements, and maximize the students' abilities to reach educational and professional goals. Due to the heavy course load that school programs require, students are advised against working full time.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.927 grade-point average (GPA) in any one term, with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Students are not eligible for Dean's Honors in any given term if they receive an Incomplete or a Not Passed (NP) grade. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor's degree with Latin honors. To be eligible, students must have completed 98 or more units for a letter grade at the University of California and must have attained an overall grade-point average at graduation that places them in the top 20 percent of the school graduates (GPA of 3.927 or better) for *cum laude*, the top 10 percent (GPA of 3.969 or better) for *magna cum laude*, or the top five percent (GPA of 3.992 or better) for *summa cum laude*. Coursework taken on the Education Abroad Program is applied toward Latin honors at graduation. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year (fall, winter, spring, summer) determine student eligibility. Students should consult their Degree Audits, or the Registrar's **honors** web page, for the most current calculations of Latin honors.

Graduate Study

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The Master of Science in Nursing (MSN) degree program offers prelicensure and postlicensure options. The master's entry clinical nurse (MECN)/prelicensure program is designed for students with a bachelor's degree in another discipline who wish to become registered nurses. The advanced practice registered nurse (APRN)/postlicensure program is for registered nurses with a bachelor's degree in nursing who wish to prepare for an advanced practice role, such as nurse practitioner or clinical nurse specialist.

The PhD program, which includes an en-route MS option, prepares scholars who do original research, generate new theories, and build the scientific basis for professional nursing practice. Research is both basic and applied.

The DNP program prepares nurses who are currently functioning at an advanced level of practice as nurse practitioners, clinical nurse specialists, or nurse administrators. Leadership, health system knowledge, quality, and health care policy are critical content emphasized in the curriculum. The DNP degree is designed to meet the dynamic needs of the national health care system to improve quality of care, promote patient safety, and reduce cost.

Admission

Detailed information about the graduate academic programs is included in **program requirements for UCLA graduate degrees**.

For information on proficiency in English requirements for international graduate students, see **international applicants** in Graduate Study.

Degree Requirements

For complete degree requirements, see **program requirements for UCLA graduate degrees**.

School of Theater, Film, and Television Overview

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Brian E. Kite, MFA, Dean

School of Theater, Film, and Television
102 East Melnitz Building
310-825-5761
Information e-mail

The UCLA School of Theater, Film, and Television consists of the Department of **Theater** and the Department of **Film, Television, and Digital Media**. Both are recognized national centers for higher education in production and performance as well as history, theory, and criticism.

Whether exploring the ancient and sacred roots of theater or the latest secular rituals enacted by popular film, creating a dramatic character for the bare stage or a dramatic narrative on screen, writing scripts or scholarly articles, or making digital movies or designing websites, all students in the school study both the aesthetics and cultural significance of theater, film, and television.

Through an intensive multidisciplinary curriculum, the school defines the inherent differences of theater, film, television, and new media; affirms their similarities; and encourages their interaction. As expressive art forms, modes of communication, and cultural interventions, theater, film and television, and digital media have in common the ability and power to reflect and shape perception of a complex, diverse, and ever-changing world. As artists and scholars, faculty believe that the school has an obligation to reflect on this power and to use it responsibly.

Situated in the diverse and culturally rich environment of Los Angeles—and drawing on the many resources of the campus at large (including the **Center for the Art of Performance** at UCLA, **Geffen Playhouse**, and UCLA **Film and Television Archive**)—the school offers the ideal setting for students to engage in the study and practice of art forms essential to a healthy and dynamic society.

Departments and Programs

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The Theater Department and the Film, Television, and Digital Media Department are essential components of the rich intellectual, cultural, and professional life of UCLA. Depending on the degree involved, school programs are either strongly professional in nature, or oriented toward advanced scholarly study and research in an atmosphere that recognizes and often draws on studio practice.

Students in undergraduate courses receive a broadly based, liberal arts education within the context of either theater or film and television.

The Master of Fine Arts (MFA) degree programs prepare talented and highly motivated students for careers in the worlds of theater, film, television, and digital production. The MA and PhD programs engage students in critical study and research of these media, including their history, aesthetics, and theory; and they prepare students for advanced research within the context of college and university teaching, as well as for writing and research in a variety of media-related professions.

In the **Theater** Department, approximately 300 undergraduate and 80 graduate students interact with world-class faculty members, outstanding guests of national and international standing, and a professional staff in an exciting artistic and scholarly community of theater production and research. The theater and performance studies program offers PhD degrees for preparing students in advanced research, publication, and university level teaching. Resources include four Macgowan Hall complex theaters with the technologies needed for creation, control, and integration of scenery, lighting, and sound. Areas of emphasis in the Master of Fine Arts program include acting, design, directing, and playwriting.

The **Film, Television, and Digital Media** Department includes both production and critical studies programs, with approximately 275 graduate and 100 undergraduate students. Its 23 faculty members include leading scholars as well as members of the Los Angeles and international film and television professional communities. In production, graduate specializations are offered in the areas of film and television production, screenwriting, animation, and producing. The cinema and media studies program offers MA and PhD degrees for advanced scholarly study of film, television, and digital media. Department resources in Melnitz Hall include three sound stages; three television studios; extensive editing, scoring,

and viewing facilities; a complete animation laboratory for traditional, stop-motion, and computer-generated animation; and a laboratory and research facility for digital media.

The MA and PhD programs are supported by UCLA library collections and the UCLA **Film and Television Archive**, the largest in the U.S. outside the Library of Congress. This archive forms a unique and priceless resource for research and classroom instruction. MA and PhD faculty members and students also participate in various campus organized research units.

Teaching Credentials

Students interested in obtaining instructional credentials for California elementary and secondary schools should contact the **Teacher Education Program**, 1009 Moore Hall.

Undergraduate Admission

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In addition to the UC undergraduate application, departments require applicants to submit additional supporting materials. Information on departmental requirements is available on the **school admissions** web page.

Undergraduate Degree and University Requirements

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Undergraduate Degree Requirements

Students must satisfy UC requirements, school requirements, and department requirements for a Bachelor of Arts degree.

School of Theater, Film, and Television
Degree Requirements

University Requirements

1. Entry-Level Writing or English as a Second Language
2. American History and Institutions

School Requirements

1. Unit
2. Scholarship
3. Academic Residence
4. Writing Requirement
   - Writing I
   - Writing II
5. Foreign Language
6. Upper-Division Nonmajor Courses
7. Diversity
8. General Education
   - Foundations of Arts and Humanities
   - Foundations of Society and Culture

Foundations of Scientific Inquiry

Department Requirements

1. Preparation for the Major
2. The Major

Courses that do not satisfy specific UC, College, or department requirements are referred to as electives and can be used to meet the minimum unit requirement for graduation.

University Requirements

The University of California has two requirements that undergraduate students must satisfy in order to graduate: Entry-Level Writing or English as a Second Language, and American History and Institutions. See **degree requirements** in Undergraduate Study for details.

School Requirements

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There are seven requirements that must be satisfied for award of a degree.

Unit Requirement

Students must satisfactorily complete for credit a minimum of 180 units for the bachelor's degree. At least 64 of the 180 units must be upper-division courses numbered 100 through 199. A maximum of 216 units is permitted. Students with Advanced Placement Examination or International Baccalaureate Examination (transfer) credit may exceed the unit maximum by the amount of that credit.

Scholarship Requirement

Students must earn at least a 2.0 (C) grade-point average in all courses undertaken at the University of California for receipt of the bachelor's degree, and in all upper-division courses in the major, and in all courses applied toward the general education requirements.

Academic Residence Requirement

Students are in residence while enrolled and attending classes at UCLA with a declared major in the School of Theater, Film, and Television. Of the last 45 units completed for the bachelor's degree, 35 must be earned in residence at the school. No more than 18 of the 35 units may be completed in UCLA summer sessions.

Courses offered by UCLA Extension may not be applied toward any part of the residence requirements.

Foreign Language Requirement

Students may meet the foreign language requirement by scoring 3, 4, or 5 on the College Board Advanced Placement (AP) foreign language examination in Chinese, French, German, Italian, Japanese, or Spanish, or scoring 4 or 5 on the AP foreign language examination in Latin; presenting a UCLA foreign language proficiency examination score indicating competency through level three; or completing one college-level foreign language course equivalent to level three or above at UCLA with a grade of Passed or C or better.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the foreign language requirement.

International students may petition to use an advanced course in their native language for this requirement. Students whose entire secondary education has been completed in a language other than English may petition to be exempt from the foreign language requirement.

Courses that may be used to fulfill this requirement are published on the Registrar's **foreign language requirement** web page.

Upper-Division Nonmajor Requirement

Students must complete at least three upper-division nonmajor courses (100-level) for a minimum of 12 units. Graduate (200-level) courses may not be applied toward this requirement.

A course used to satisfy the upper-division nonmajor requirement may also be used to satisfy the Writing II requirement.

A course used to satisfy the upper-division nonmajor requirement may not also be applied toward a foundation area in general education.

Diversity Requirement

The **diversity requirement** may be satisfied by completing one course from the faculty-approved list of courses. If taken for a letter grade, students must receive a C or better grade (a C− grade is not acceptable). Applicable courses may also fulfill major, minor, or elective requirements and, if approved for general education (GE) credit, may fulfill a GE requirement. A list of approved courses is available in the **Schedule of Classes**.

Writing Requirement

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Students must complete the UC Entry-Level Writing or English as a Second Language (ESL) requirement prior to completing the school writing requirement.

Students admitted to the school are required to complete a two-term writing requirement—Writing I and Writing II. Two courses in English composition are required for graduation. Both courses must be taken for a letter grade, and students must receive a C or better grade in each (a C− grade is not acceptable).

Writing I

The Writing I requirement must be satisfied within the first three terms of enrollment by completing English Composition 3, 3D, 3DX, or 3E with a C or better grade (a C− or Passed grade is not acceptable).

The Writing I requirement may also be satisfied by scoring 4 or 5 on one of the College Board Advanced Placement Examinations in English; completing a course equivalent to English Composition 3 with a C or better grade (a C− or Passed grade is not acceptable) taken at another institution; or scoring 5, 6, or 7 on an International Baccalaureate Higher Level Examination.

Students whose native language is not English may need to take English Composition 1, 2, and 4 before enrolling in a Writing I course. All courses in the sequence must be passed with a C or better grade (a C− or Passed grade is not acceptable).

Writing II

The Writing II requirement must be satisfied within the first six terms of enrollment by completing one course from a faculty-approved list of **Writing II courses**; see the Registrar's **Writing II requirement** web page for details. Courses that satisfy the requirement are denoted by a W suffix and are **impacted**. The course must be completed with a C or better grade (a C− or Passed grade is not acceptable).

Applicable Writing II courses may also fulfill the upper-division nonmajor requirement and, if approved for general education (GE) credit, may also fulfill a GE requirement.

Transfer students with 90 or more units who have completed the Intersegmental General Education Transfer Curriculum (IGETC) will have satisfied the Writing I and Writing II requirements. No transfer student is admitted to the school without completing, with a C or better grade (a C− grade is not acceptable), a college-level writing course that Undergraduate Admission accepts as equivalent to English Composition 3.

General Education Requirements

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General education (GE) is more than a checklist of required courses. It is a program of study that reveals to students the ways that research scholars in the arts, humanities, social sciences, and natural sciences create and evaluate new knowledge; introduces students to the important ideas and themes of human cultures; fosters appreciation for the many perspectives and diverse voices that may be heard in a democratic society; and develops the intellectual skills that give students the dexterity they need to function in a rapidly changing world.

This entails the ability to make critical and logical assessments of information, both traditional and digital; deliver reasoned and persuasive arguments; and identify, acquire, and use the knowledge necessary to solve problems.

Foundations of Knowledge

General education courses are grouped into three foundational areas: Foundations of the Arts and Humanities, Foundations of Society and Culture, and Foundations of Scientific Inquiry.

Ten courses (48 units minimum) are required. GE-approved Writing II courses may fulfill an appropriate foundational area. See the foundational area descriptions below for a breakdown of courses required.

Courses listed in more than one category can fulfill GE requirements in only one of the categories. A course used to satisfy a major requirement may not also be applied toward a GE requirement.

Students who successfully complete a year-long GE cluster series fulfill the Writing II requirement and complete 40 percent of their general education requirements.

Foundations of the Arts and Humanities

Five 5-unit courses, with no more than two from any one subgroup:

- Literary and Cultural Analysis
- Philosophical and Linguistic Analysis
- Visual and Performance Arts Analysis and Practice

Courses in this area supply perspectives and intellectual skills necessary to comprehend and think critically about our situation in the world as human beings. In particular, courses furnish the basic means to appreciate and evaluate the ongoing efforts of humans to explain, translate, and transform their diverse experiences of the world through such media as language, literature, philosophical systems, images, sounds, and performances. The courses introduce students to the historical development and fundamental intellectual and ethical issues associated with the arts and humanities and may also investigate the complex relations between artistic and humanistic expression and other facets of society and culture.

Foundations of Society and Culture

Three 5-unit courses, one from each subgroup and a third course from either subgroup:

- Historical Analysis
- Social Analysis

Courses in this area introduce students to the ways in which humans organize, structure, rationalize, and govern their diverse societies and cultures over time. Courses focus on a particular historical question, societal problem, or topic of political and economic concern in an effort to demonstrate how issues are objectified for study, how data is collected and analyzed, and how new understandings of social phenomena are achieved and evaluated.

Foundations of Scientific Inquiry

Two courses (8 units minimum), one from each subgroup:

- Life Sciences
- Physical Sciences

Courses in this area ensure that students gain a fundamental understanding of how scientists formulate and answer questions about the operation of both the physical and biological world. Courses also deal with some of the most important issues, developments, and methodologies in contemporary science, addressing such topics as the origin of the universe, environmental degradation, and the decoding of the human genome. Through lectures, lab-oratory experiences, writing, and intensive discussions, students consider the important roles played by the laws of physics and chemistry in society, biology, Earth and environmental sciences, and astrophysics and cosmology.

Foundations Course Lists

Creating and maintaining a general education curriculum is a dynamic process; consequently, courses are frequently added to the list. For the most current list of approved courses that satisfy the Foundations of Knowledge GE plan, consult with an academic counselor or see the **master list**.

School of Theater, Film, and Television
General Education Requirements

Foundations of the Arts and Humanities

Literary and Cultural Analysis
Philosophical and Linguistic Analysis
Visual and Performance Arts Analysis and Practice 5 courses
No more than two courses from any one subgroup.
Total = 25 units minimum

Foundations of Society and Culture

Historical Analysis 1 course
Social Analysis 1 course
Third course from either subgroup 1 course
Total = 15 units minimum

Foundations of Scientific Inquiry

Life Sciences 1 course
Physical Sciences 1 course
Total = 8 units minimum

Total GE 10 courses/47 units minimum

A course taken to meet the Writing II requirement may not also be applied toward a GE requirement.

Reciprocity with Other UC Campuses

Students who transfer to UCLA from other UC campuses or who change their major from the College or another UCLA school and have met all GE requirements prior to attending UCLA or changing their UCLA major are not required to complete the School of Theater, Film, and Television GE requirements. Written verification from the dean at the other UC campus or UCLA College or school is required. Verification letters should be sent to UCLA School of Theater, Film, and Television, Director of Student Services, Box 951622, Los Angeles, CA 90095-1622.

Intersegmental General Education Transfer Curriculum

Transfer students from California community colleges have the option to fulfill UCLA lower-division GE requirements by completing the Intersegmental General Education Transfer Curriculum (IGETC) prior to transfer. The curriculum consists of a series of subject areas and types of courses that have been agreed on by the University of California and the California community colleges. Although GE courses are degree requirements rather than admission requirements, students are advised to fulfill them prior to transfer. The IGETC significantly eases the transfer process, as all UCLA GE requirements are fulfilled when students complete the IGETC courses. Students who select the IGETC must complete it entirely before enrolling at UCLA. Otherwise, they must fulfill the School of Theater, Film, and Television GE requirements.

Department Requirements

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Departments generally set two types of requirements that must be satisfied for award of a degree: preparation for the major (lower-division courses) and the major (upper-division courses). Preparation for the major courses should be completed before beginning upper-division work.

Preparation for the Major

A major requires completion of a set of courses known as preparation for the major, which should be completed before upper-division work is undertaken. Each department sets its own preparation for the major requirements; see the **individual department**.

The Major

A major is composed of no fewer than 56 units, including at least 36 units of upper-division courses.

Students must complete their major with a scholarship grade-point average of at least 2.0 (C) in all courses in order to remain in the major. Each course in the school must be taken for a letter grade.

As changes in major requirements occur, students are expected to satisfy the new requirements insofar as possible. Hardship cases should be discussed with the department adviser, and petitions for adjustments should be submitted to the dean of the school when necessary.

Any department offering a major may require a general final examination.

Double Majors

Double majors in the School of Theater, Film, and Television and other academic units are not permitted.

Policies and Regulations

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Degree requirements are subject to policies and regulations, including the following:

Student Responsibility

Students should take advantage of academic support resources, but they are ultimately responsible for keeping informed of and complying with the rules, regulations, and policies affecting their academic standing.

Study List

The study list is a record of classes that a student is taking for a particular term. Each term the study list must include from 12 to 19 units. The school has no provision for part-time enrollment. After the first term, students may petition to enroll in more than 19 units (up to 22 units maximum) if they have an overall grade-point average of 3.0 (B) or better and have attained at least a 3.0 (B) grade-point average in the preceding term with all courses passed. Excess units petitions must be filed and approved by the Student Services Office no later than the end of the third week of instruction.

First-term transfer students from any other UC campus may carry excess units on the same basis as students who have completed one or more terms at UCLA; however, they are not encouraged to do so.

Minimum Progress

During a regular term of enrollment, undergraduate students are required to enroll in a minimum of 12 units.

Students are expected to complete satisfactorily at least 36 units during any three consecutive terms in residence; they are placed on probation if they fail to pass these units. Students are subject to dismissal if they fail to pass at least 32 units in three consecutive regular terms in residence.

Changing a Major

Students in good academic standing who wish to change their major may petition to do so, provided they can complete the new major within the 216-unit limit. Petitions must be submitted to and approved by the department or committee in charge of the new major. Admission to certain majors may be closed or restricted; changes are normally not permitted if students are on probation or have begun their last term.

Students in the Theater major are not allowed to change their major to Film and Television at the end of their sophomore year.

Concurrent Enrollment

Enrollment at a non-UC institution or UCLA Extension while enrolled at UCLA is not permitted except in extraordinary circumstances. No credit is given for courses taken concurrently elsewhere without the approval of the school.

Credit Limitations

The following credit limitations apply to all undergraduate students enrolled in the school:

Advanced Placement Examinations

Credit earned through the College Board Advanced Placement (AP) Examinations may be applied toward certain UC/school requirements. Consult with a counselor in the Student Services Office to determine applicable credit. Portions of AP Examination credit may be evaluated by corresponding UCLA course numbers. If students take the equivalent UCLA course, unit credit for such duplication is deducted before graduation. See the school **AP table** for UCLA course equivalents.

Graduate Courses

Undergraduate students who wish to take graduate courses (200 level) for credit toward the bachelor's degree must petition for advance approval of the department chair and the dean of the school, and must meet specific qualifications. Courses numbered in the 300, 400, and 500 series are not open for credit to undergraduate students.

UCLA Extension

Extension courses with the prefix X on those numbered in the 1 through 199, 200, 300, 400, or 800 series may not be applied toward the degree.

Upper-Division Tutorials

Credit for upper-division tutorials numbered 195 through 199 is limited to a maximum of 8 units in a single term, and a maximum of 32 units total for a letter grade.

Academic Advising Services

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The school offers advising, program planning in the major and general education requirements, and individual meetings with departmental counselors, including a yearly degree check. Prior to enrollment in classes, each new student is assigned to a counselor in the major department. For additional counseling information, contact the **Student Services Office**, 103 East Melnitz Building.

Honors

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Undergraduate students who achieve scholastic distinction may qualify for the following honors and programs:

Dean's Honors

The Dean's Honors list recognizes high scholastic achievement in any one term. The following criteria are used to note Dean's Honors on student records: a 3.942 grade-point average (GPA) in any one term, with at least 12 letter-graded units. The minimum GPA required is subject to change on an annual basis. Dean's Honors are automatically recorded on the transcript for the appropriate term.

Latin Honors

Students who have achieved scholastic distinction may be awarded the bachelor's degree with Latin honors. To be eligible, students must have completed 90 or more units for a letter grade at the University of California and must have attained an overall grade-point average (GPA) at graduation that places them in the top 20 percent of the school graduates (GPA of 3.942 or better) for *cum laude*, the top 10 percent (GPA of 3.969 or better) for *magna cum laude*, or the top five percent (GPA of 3.978 or better) for *summa cum laude*. Coursework taken on the Education Abroad Program is applied toward Latin honors at graduation. The minimum GPAs required are subject to change on an annual basis. Required GPAs in effect in the graduating year (fall, winter, spring, summer) determine student eligibility. Students should consult their Degree Audits, or the Registrar's **honors** web page, for the most current calculations of Latin honors.

Graduate Study

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The advanced degree programs offer graduate students with unique research opportunities when combined with special resources such as the Young Research Library, UCLA Film and Television Archive, Geffen Playhouse, Arts Library special collections, and UCLA exhibit and performance venues.

Fellowships, grants, and assistantships are available through the dean of the Graduate Division. Student scholarship awards are available through the School of Theater, Film, and Television.

Admission

In addition to requiring that applicants hold a bachelor's degree from an accredited U.S. institution or an equivalent degree of professional title from an international institution, each department in the school has limitations and additional requirements. Detailed information can be found in **program requirements for UCLA graduate degrees**.

For information on the proficiency in English requirements for international graduate students, see **international applicants** in Graduate Study.

Degree Requirements

Requirements to fulfill each degree objective vary according to the degree and the department. For complete degree requirements, see **program requirements for UCLA graduate degrees**.

Aerospace Studies – Air Force ROTC Overview

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College of Letters and Science

218 Student Activities Center
Box 951611
Los Angeles, CA 90095-1611

Aerospace Studies – Air Force ROTC
310-825-1742
Air Force ROTC e-mail

Mae-Li A. Allison, MA, Lieutenant Colonel, *Chair*

In accordance with the National Defense Act of 1920 and with the concurrence of the Regents of the University of California, a unit of the Army Senior Division Reserve Officers' Training Corps (ROTC) was established on the Los Angeles campus of the University of California in July 1920. Navy and Air Force units were established in 1938 and 1949 respectively.

This voluntary training in the Air Force ROTC program allows students to qualify for an officer's commission in the Air Force while completing their college education. The ROTC curricula are not considered academic majors, but ROTC courses may be taken as free electives and applied toward the total course requirements of a major. For students contracted in the Aerospace Studies Department, 36 units of aerospace studies credit may be applied toward the requirements for the bachelor's degree. The ROTC program is also available through UCLA Extension.

All three ROTC departments offer voluntary four- and three-year programs for first years and sophomores. All have leadership laboratories that teach leadership and management skills.

All commissions are reserve commissions. Active duty obligation following commissioning varies depending on branch of service and designated career field or occupational specialty.

Scholarships

ROTC scholarships are awarded on a competitive basis to U.S. citizens regardless of parents' income. Scholarships cover tuition, a book allowance, fees, and a tax-free monetary allowance during the academic year. **Applications for scholarships** may be obtained online or by calling 310-825-1742. Completed applications should be submitted prior to August 15 for early consideration and no later than December 1 of the year preceding college matriculation.

Air Force ROTC Program

Air Force ROTC offers selected students the opportunity to develop those attributes essential to positions of high responsibility as commissioned officers in the U.S. Air Force or Space Force. This includes understanding Air Force history, doctrine, operating principles, and national security policies, demonstrating the ability to apply modern principles of management and human relations in the Air Force environment, and mastering of leadership theory and techniques. Students must demonstrate dedication to their assignments, willingness to accept responsibility, and the ability to think critically and communicate with clarity and precision.

Undergraduate Study

The Air Force ROTC program is available to full-time students with at least three years of undergraduate and/or graduate study remaining and consists of one to two years of the General Military Course, or GMC (Aerospace Studies 1A, 1B, 1C, 20A, 20B, and 20C), followed by a two-year Professional Officer Course, or POC (Aerospace Studies 130A, 130B, 130C, 140A, 140B, and 140C). For students completing the program in four years, GMC participation requires one hour of academic class and two hours of leadership laboratory each week during the academic year. For students completing the program in three years, GMC participation requires taking one course from Aerospace Studies 1A, 1B, or 1C, one course from 20A, 20B, or 20C, and two hours of leadership laboratory each week during the academic year. Students incur no military obligation for GMC participation unless they qualify and accept an Air Force ROTC scholarship during or after their sophomore year.

Students who complete the GMC and wish to enter the POC attend a field training course the summer following GMC completion. There is no obligation to apply. U.S. citizenship is required. Students are selected on a competitive basis with consideration given to academic major, grade-point average, aptitude examination scores, performance during an officer board interview, and a physical fitness test. Students selected for summer field training are given meals, quarters, clothing, and travel and incidental expenses.

Subjects covered at field training include junior officer training, aircraft and aircrew orientation, career orientation, survival training, base functions, Air Force environment, and physical training.

POC participation requires three hours of academic class and two hours of leadership laboratory each week during the academic year. Students enrolled in the POC incur a military obligation and are paid a monthly stipend during the academic year. Graduation and successful completion of the POC leads to a commission as a second lieutenant. Cadets then report to one of the challenging assignments in the Air Force or Space Force.

Course Numbering

Aerospace Studies courses are organized by number into the categories shown.

Course Numbers	Category
A, 1	First Year
20	Sophomore Year

Aerospace Studies – Air Force ROTC Faculty Roster

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Professor

Mae-Li A. Allison, MA, *Lieutenant Colonel*

Adjunct Assistant Professors

Robert V. Everhart, MA, *Major*
Morgan B. Malone, MBV, *Captain*

African American Studies

Overview

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College of Letters and Science

2134 Rolfe Hall
Box 951545
Los Angeles, CA 90095-1545

African American Studies
310-825-9821
Department e-mail

Cheryl L. Keyes, PhD, ***Chair***

The Department of African American Studies offers a Bachelor of Arts (BA) degree, an undergraduate African American Studies minor, a Master of Arts (MA) degree, and a concurrent degree program (African American Studies MA/Juris Doctor). A major or minor in this field offers a broadening of cultural experiences and perspectives for those seeking more information about African Americans and the African diaspora. Career-wise, all students profit from African American studies courses in an era when employers and academic institutions are actively seeking those with multicultural and interdisciplinary skills and backgrounds.

Mission

The fundamental goal of the African American Studies curriculum is to offer students a comprehensive and multidisciplinary introduction to the crucial sociocultural and social justice issues facing African Americans and their counterparts in other areas of the African diaspora today. The curriculum is designed

to meet this goal in two primary ways. First, it offers students an interdisciplinary exposure to particular features of the African American experience. Core courses offer an in-depth understanding of historical, anthropological, sociological, psychological, economic, and political aspects of African America. The curriculum also offers opportunities to study the literary, musical, and artistic heritage of peoples of African descent. Second, students analyze key issues through additional courses that bring to bear concepts, theories, and methods of traditional academic disciplines in areas such as cultural analysis and production, social justice, and public policy. Students may also do individualized study with a professor and/or an internship for course credit.

African American Studies Faculty Roster

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Professors

Walter R. Allen, PhD *(Allan Murray Cartter Professor of Higher Education)*
Adam F. Bradley, PhD
Bryonn R. Bain, JD
Devon W. Carbado, JD *(Honorable Harry Pregerson Endowed Professor of Law)*
Lorrie A. Frasure, PhD *(Ralph Bunche Endowed Professor of International Studies)*
Yogita Goyal, PhD
Cheryl I. Harris, JD *(Rosalinde and Arthur Gilbert Foundation Endowed Professor of Civil Rights and Civil Liberties)*
Tyrone C. Howard, PhD *(Pritzker Family Endowed Professor of Education to Strengthen Families)*
Darnell M. Hunt, PhD
Marcus A. Hunter, PhD *(Scott Waugh Endowed Professor of Social Sciences)*
Terence D. Keel, PhD
Cheryl L. Keyes, PhD
Kathleen A. Lytle Hernández, PhD *(Thomas E. Lifka Professor of History)*
Safiya U. Noble, PhD *(David O. Sears Presidential Endowed Professor of Social Sciences)*
Jemima Pierre, PhD
Brenda Stevenson, PhD *(Nickoll Family Endowed Professor of History)*
Dominic A. Taylor, MFA
Sherod Thaxton, JD, PhD

Associate Professors

Scot D. Brown, PhD
Peter J. Hudson, PhD
Gaye T. Johnson, PhD
Kyle T. Mays, PhD
Uri G. McMillan, PhD
Alesia Montgomery, PhD
Caroline A. Streeter, PhD
Courtney S. Thomas Tobin, PhD
Alden H. Young, PhD

Assistant Professors

Justin P. Dunnavant, PhD
Ugo F. Edu, PhD
Sobukwe O. Odinga, PhD
Keston K. Perry, PhD
Shamara Wylie-Alhassan, PhD

Lecturers

Tananarive P. Due, MA
Celia O. Lacayo, PhD

Adjunct Assistant Professor

Jonli D. Tunstall, PhD

Major

African American Studies BA

College / School

College of Letters and Science

Department

African American Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Students are encouraged to engage in a culminating activity, such as an internship, independent study, honors thesis, service learning course, Center for American Politics and Public Policy program, University

of California Center Sacramento program, Education Abroad Program, or other African American studies-related project or performance course.

Learning Outcomes

1. Critical understanding of key historical moments in the field
2. Critical engagement with humanistic and social-scientific approaches to the study of the African American experience
3. Ability to perform research and use critical writing skills
4. Critical understanding of the concepts of race and racism, and their relationship to other identities such as class, gender, and sexual orientation
5. Knowledge of key African American aesthetic, literary, musical, and other cultural traditions
6. Knowledge of key social-scientific theories that explain and describe the African American experience

Entry to the Major

Transfer Students

Transfer applicants to the African American Studies major with 90 or more units must complete the following introductory courses if possible prior to admission to UCLA: one African American studies or civilizations of Africa course or equivalent.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

African American Studies 1, 96W, and one elective course.

AF AMER 1 - Introduction to Black Studies

Elective

Select one course from:

AF AMER 2A - Africa and Middle East

AF AMER 2B - Race and U.S. Military Intervention in Africa

AF AMER 2C - Black Folks Kung Fu Fightin': Black America, Martial Arts, and Popular Culture

AF AMER M5 - Social Organization of Black Communities

AF AMER 6 - Trends in Black Intellectual Thought

AF AMER M116A - African American Musical Heritage

AF AMER M116B - African American Musical Heritage

The Major

Eleven upper-division courses as follows:

Areas of Concentration

Select eight courses total, four in one area of concentration and two additional courses from each of the two remaining areas:

CULTURAL PRODUCTION

AF AMER M102 - Culture, Media, and Los Angeles

AF AMER M103A - African American Theater History: Slavery to Mid-1800s

AF AMER M103B - African American Theater History: Minstrel Stage to Rise of American Musical

AF AMER M103E - Modern African American Drama: Harlem Renaissance to Black Arts Movement

AF AMER M104A - Early African American Literature

AF AMER M104B - African American Literature from Harlem Renaissance to 1960s

AF AMER M104C - African American Literature of 1960s and 1970s

AF AMER M104D - Contemporary African American Literature

AF AMER M104E - Topics in African American Literature and Culture

AF AMER M107 - Cultural History of Rap

AF AMER 108 - Jazz and Political Imagination

AF AMER M109 - Women in Jazz

AF AMER M111 - Ellingtonia

AF AMER CM135A - African American Art before 1900

AF AMER CM135B - African American Art, 1900 to 1963

AF AMER M150D - Recent African American Urban History: Funk Music and Politics of Black Popular Culture

AF AMER M170A - Diasporic Nonfiction: Media Engagements with Memory and Displacement I

AF AMER M170B - Diasporic Nonfiction: Media Engagements with Memory and Displacement II

AF AMER M179A - Topics in African American Literature

POLITICAL ECONOMY

AF AMER 105C - Africa, African Americans, and History of Capitalism

AF AMER 105D - African American-Caribbean Relations: Difference, Solidarity, and Empire

AF AMER 106A - Africa and World

AF AMER 110A - Race, Science, and Society

AF AMER 110B - Reproducing While Black: Politics of Black Reproduction

AF AMER 110C - Black Health Matters: Wellness, Health, and Self-Care

AF AMER CM110D - Posthumans

AF AMER M115 - We Gone Be Alright: Developing Next Generation of Black Organizers

AF AMER M142 - Race, Gender, and Punishment

AF AMER M144 - Ethnic Politics: African American Politics

AF AMER M148 - Politics of Struggle: Race, Solidarity, and Resistance

AF AMER M154C - Black Experience in Latin America and Caribbean I

AF AMER M154D - Black Experience in Latin America and Caribbean II

AF AMER M158A - Comparative Slavery Systems

AF AMER M159P - Constructing Race

AF AMER M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

AF AMER 175 - Racial and Ethnic Disparities in Healthcare

AF AMER 176 - Race, Racism, and Law

AF AMER M178 - Sociology of Caribbean

AF AMER 188B - Race and Public Policy

AF AMER 195 - Community or Corporate Internships in Afro-American Studies

POWER AND IDEOLOGY

AF AMER 105A - Ideology and Black Consciousness

AF AMER 105B - Issues in Pan-African Biography and Autobiography

AF AMER 105C - Africa, African Americans, and History of Capitalism

AF AMER 105D - African American-Caribbean Relations: Difference, Solidarity, and Empire

AF AMER 106A - Africa and World

AF AMER 106B - Militarism, International Security, and African American Political Thought

AF AMER 110B - Reproducing While Black: Politics of Black Reproduction

AF AMER 110C - Black Health Matters: Wellness, Health, and Self-Care

AF AMER CM113B - Legislative Theater for Race and Gender Justice

AF AMER M114C - African American Political Thought

AF AMER M120 - Race, Inequality, and Public Policy

AF AMER M124 - Comparative Racialization and Indigeneity

AF AMER 140 - Radical Black Imaginaries: Politics, Identity, and Struggle

AF AMER M141 - African American Women's History

AF AMER M142 - Race, Gender, and Punishment

AF AMER M144 - Ethnic Politics: African American Politics

AF AMER M148 - Politics of Struggle: Race, Solidarity, and Resistance

AF AMER M154C - Black Experience in Latin America and Caribbean I

AF AMER M154D - Black Experience in Latin America and Caribbean II

AF AMER M158A - Comparative Slavery Systems

AF AMER M158E - African American Nationalism in First Half of 20th Century

AF AMER M159P - Constructing Race

AF AMER M172 - Afro-American Woman in U.S.

AF AMER M173 - Nonviolence and Social Movements

AF AMER 174 - Intraracial Differences in 20th-Century Black America

AF AMER 175 - Racial and Ethnic Disparities in Healthcare

AF AMER 176 - Race, Racism, and Law

AF AMER 177 - African Americans in Higher Education

AF AMER M178 - Sociology of Caribbean

AF AMER 188B - Race and Public Policy

Additional Upper-Division Electives

Select two additional upper-division elective courses in African American studies (minimum 4 units) excluding 188SA, 188SB, 188SC, 189, 189HC, and 195.

Upper-division African American studies excluding 188SA, 188SB, 188SC, 189, 189HC, and 195.

Senior Capstone Seminar

AF AMER C191 - Variable Topics Research Seminars: Afro-American Studies

Honors Program

African American Studies majors with grade-point averages of 3.5 or better are eligible for the honors option that requires the completion of a senior thesis under the guidance of an African American Studies faculty member. Students must take three-quarter African American Studies 198A, 198B, 198C (independent study courses) with an approved professor who oversees the thesis requirement. For more information, contact the undergraduate adviser in the department.

Policies

The Major Policies

No more than 8 graded units of African American Studies 195, 198A, 198B, 198C, and 199 may be applied toward the major.

Students must have an overall grade-point average of 2.0 or better.

Minor

African American Studies Minor

College / School
College of Letters and Science

Department
African American Studies

Level
Undergraduate

Overview

The African American Studies minor is designed for students who wish to augment their major program of study with courses from various disciplines germane to African American studies.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average), have completed 45 units, and file a petition with the African American Studies student affairs officer.

Minor Requirements

The Minor

Required Lower-Division Courses (9 to 10 units)

Select two courses from:

- AF AMER 1 - Introduction to Black Studies
- AF AMER 2A - Africa and Middle East
- AF AMER 2B - Race and U.S. Military Intervention in Africa
- AF AMER 2C - Black Folks Kung Fu Fightin': Black America, Martial Arts, and Popular Culture
- AF AMER M5 - Social Organization of Black Communities
- AF AMER 6 - Trends in Black Intellectual Thought
- AF AMER M10A - History of Africa to 1800

Required Upper-Division Courses (20 to 25 units)

Complete five upper-division African American studies courses.

Policies

The Minor Policies

No more than 4 graded units of African American Studies 195, 197, and 199 may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units applied toward the minor must be taken in residence at UCLA. Transfer credit for any of the above is subject to program approval; consult with the student affairs officer before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

African American Studies MA

College / School

College of Letters and Science

Department

African American Studies

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0501 - Juris Doctor

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

African Studies Overview

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Interdepartmental Program
College of Letters and Science

10256 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

African Studies
310-206-6571
Program e-mail

W. Harold Torrence, PhD, *Chair*

The intellectual objective of the African Studies Master of Arts (MA) program is to provide graduate students with the opportunity to engage in intensive study and research on Africa on an interdisciplinary basis. The program offers African area courses in a wide range of disciplines, including the fine arts, social sciences, humanities, and professional fields. A concurrent degree program is also offered where students can work for the MA in African Studies and the Master of Public Health (MPH) at the same time.

Academic flexibility draws many students to the program. Because there are more than 50 active faculty members on campus with African interest and experience in many disciplines, students have multiple options to design individualized programs suited to their specific interests.

Information on the undergraduate major and minor in African and Middle Eastern Studies and the minor in African Studies can be found in the **International and Area Studies** section.

African Studies Faculty Committee

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Hannah C. Appel, PhD *(Anthropology)*
Andrew Apter, PhD *(Anthropology, History)*
Stephanie Bosch Santana, PhD *(Comparative Literature)*
Sobukwe Odinga, PhD *(African American Studies)*
Edith Mukudi Omwami, PhD *(Education)*
Jemima Pierre, PhD *(African American Studies, Anthropology)*
Paula A. Tavrow, PhD *(Community Health Sciences)*
Dominic R. Thomas, PhD *(Comparative Literature, European Languages and Transcultural Studies)*
W. Harold Torrence, PhD *(Linguistics)*
Hollian Wint, PhD *(History)*
Alden H. Young, PhD *(African American Studies, Sociology)*

Major

African Studies MA

College / School

College of Letters and Science

Department

African Studies

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0789 - Master of Public Health

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

American Indian Studies Overview

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College of Letters and Science

3220 Campbell Hall
Box 951548
Los Angeles, CA 90095-1548

American Indian Studies
310-825-6541
Department e-mail

Randall K.Q. Akee, PhD, ***Chair***

Because UCLA possesses a substantial number of faculty members in the humanities and social sciences engaged in teaching and conducting research on American Indians, the nation's first interdisciplinary Master of Arts (MA) program in American Indian Studies was established here.

Undergraduate Study

The Bachelor of Arts (BA) degree and the undergraduate American Indian Studies minor offer a general introduction for students who anticipate advanced study at the graduate level in American Indian studies, ethnic studies, and the traditional disciplines or careers in research, administration, public service, and community service related to American Indian communities.

Graduate Study

The Master of Arts program draws primarily on existing courses in the participating departments, where research and research methodologies are of primary concern. Students are exposed to Indian-related

research in a number of different disciplines; demonstration of research skills is required. Students graduate with the training they need to teach Native American studies or to serve in an administrative capacity in Indian programs or organizations. The MA program ranks among the top Indian studies programs in the country.

American Indian Studies Faculty Roster

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Professors

Jessica R. Cattelino, PhD
Paul V. Kroskrity, PhD
Teresa L. McCarty, PhD *(George F. Kneller Professor of Education and Anthropology)*
Shannon E. Speed, PhD

Associate Professors

Randall K.Q. Akee, PhD
Erin K. Debenport, PhD
Benjamin L. Madley, PhD
Ananda M. Marin, PhD

Assistant Professor

Tria Blu Wakpa, PhD

Major

American Indian Studies BA

College / School
College of Letters and Science

Department
American Indian Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The American Indian Studies BA program is designed to offer a coherent and comprehensive curriculum in American Indian cultures, societies, and contemporary issues in addition to valuable background in more traditional disciplines such as anthropology, art history, economics, education, history, law,

linguistics, literature, sociology, and world arts and cultures. Students acquire a critical knowledge of the concepts, theories, and methods that have produced knowledge about American Indians in the traditional disciplines. Students are encouraged to develop a concentration—or special expertise—in these fields to accompany the major.

The curriculum encompasses the cultural, historical, political, and social experiences of Native Americans in the Americas. Through courses on Native American literature, languages, theater, and contemporary societies and through more culturally specific courses on California Indians, cultures of the Pueblo southwest, and so on, the major offers an in-depth and broad knowledge on the experience of Native Americans not only in the U.S. and Canada but in Mexico and elsewhere in Latin America as well.

Given the increasingly multicultural society of the U.S. and the economic revitalization of many Native American communities, a knowledge of American Indian studies greatly enhances the professional and scholarly contributions attainable for those seeking postgraduate degrees in various related disciplines and fields.

Capstone Major

The American Indian Studies major is a designated capstone major. Seniors complete a research/service experience and participate in a tutorial where faculty members help them relate their course-derived academic experience to their original research/service efforts involving Native American communities. Through their capstone work, students demonstrate their skills at analyzing and synthesizing knowledge, show their capacity to work collaboratively with peers, and display their capacity to relate their academic research and discourse to Native American community needs and concerns. Students present their work at the academic year-end Research Symposium sponsored by the American Indian Studies Interdepartmental Program.

Learning Outcomes

1. Demonstrated analysis and knowledge-synthesis skills gained through completion of written capstone thesis
2. Identification of a key idea or theme of interest drawn from coursework

3. Effective public presentation of selected theme in final paper and/or project

4. Relation of academic research and discourse to Native American communities' needs and concerns

5. Communication of statistical and quantitative information to appropriate communities

6. Display capacity to work collectively with peers to effectively analyze and synthesize knowledge

Entry to the Major

Transfer Students

Transfer applicants to the American Indian Studies major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to American Indian studies course and two courses from culture and society, introduction to gender studies. introduction to American politics, or introduction to statistical methods.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete one required course and two elective courses.

AM IND M10 - Introduction to American Indian Studies

Electives

Select two courses from:

ANTHRO 3 - Culture and Society

GENDER 10 - Introduction to Gender Studies

POL SCI 40 - Introduction to American Politics

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

The Major

Requirements are distributed according to certain categories to create a breadth of knowledge. Students are required to take a research methods course to become familiar with scholarly techniques of knowledge production and to critically regard academic research, as well as a course in either ethnic/race/gender relations or comparative indigenous studies. Additional courses are selected in the social sciences and humanities according to a distributional formula that encourages further specialization within either of these two broad areas while simultaneously adding additional breadth. Finally, American Indian Studies C122XP prioritizes the experiential dimension of involvement in Native American communities (either urban, reservation, or rancheria) through work that supplies service experience and/or supervised internship opportunities. The 12 courses must fit one of the following regional emphasis patterns: (1) Native North America—eight courses, including those mentioned below and additional electives on Native North American topics or (2) indigenous peoples of the Americas—eight courses, including at least four dealing with indigenous people in Central America and/or South America. Students must complete 12 upper-division courses (48 units) as follows, with no more than 32 units from American Indian studies courses:

Core Courses

Complete 10 core courses (40 units) as follows:

AM IND M161 - Comparative American Indian Societies

LANGUAGE

Select two courses from:

ANTHRO M150 - Language in Culture

ANTHRO 155 - Native American Languages and Their Speakers

LING 114 - American Indigenous Linguistics

HISTORY OR LAW

Select two courses from:

AM IND 140 - Federal Indian Law and Policy

AM IND 158 - Nation Building

AM IND C170 - California Indian History

HIST 149A - North American Indian History, Precontact to 1830

HIST 149B - North American Indian History, 1830 to Present

HIST 157B - Indians of Colonial Mexico

SOCIAL SCIENCES

Select one course from:

AM IND C120 - Working in Tribal Communities: Introduction

AM IND C121 - Working in Tribal Communities: Preparing for Fieldwork

AM IND C130 - California Indian Strategies for Contemporary Challenges

AM IND C175 - Cultures of Native Southern California

AM IND C178 - California Experiences in Native Cultural Resource Management

ANTHRO 160A - Native North Americans

ANTHRO 162 - Ethnography of South America

EXPRESSIVE CULTURE

Select two courses from:

AM IND 180 - Introduction to and Practicum in Native American Languages

ART HIS 137 - Arts of Native North America

ART HIS CM139A - Maya Art and Architecture

ART HIS C139B - Aztec Art and Architecture

ENGL 106 - Studies in Native American and Indigenous Literatures

ETHNMUS 106A - Traditional North American Indian Music

ETHNMUS 106B - Contemporary North American Indian Music

THEATER 103F - Native American Theater

THEATER 107 - Drama of Diversity

METHODOLOGY

Select one course from:

ANTHRO 138P - Field Methods in Cultural Anthropology

ART HIS 100 - Art Historical Theories and Methodologies

COM LIT 100 - Introduction to Literary and Critical Theory

LING 160 - Field Methods

POL SCI 170A - Studies in Statistical Analysis of Political Data

SOCIOL 106A - Field Research Methods I

SOCIOL 113 - Statistical and Computer Methods for Social Research

WL ARTS 195 - Community or Corporate Internships in World Arts and Cultures

ETHNIC/RACE/GENDER RELATIONS OR COMPARATIVE INDIGENOUS STUDIES

Select one course from either of the following groups:

Ethnic/Race/Gender Relations

AF AMER M164 - Afro-American Experience in U.S.

ANTHRO M145Q - Selected Topics in Gender Systems

ANTHRO 145S - Culture, Gender, Sexuality

ASIA AM 130A - Chinese American Experience

ASIA AM M130B - Chinese Immigrant Literature and Film

ASIA AM M130C - Chinese Immigration

ASIA AM 131A - Japanese American Experience

ASIA AM 132A - Korean American Experience

ASIA AM 133 - Pilipino American Experience

ASIA AM 134 - Vietnamese American Experience

CCAS CM182 - Understanding Whiteness in American History and Culture

FILM TV 128 - Media and Ethnicity

GENDER 130 - Women of Color in the U.S.

GENDER 168 - Feminist Economics in Globalizing World

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 156 - Race and Ethnicity in American Life

SOCIOL M162 - Sociology of Gender

Comparative Indigenous Studies

ANTHRO 143 - Economic Anthropology

GEOG M126 - Environmental Change

HIST 135A - Europe and World: Exploration and Conquest, 1400 to 1700

SOCIOL 157 - Social Stratification

Experiential Service Learning or Supervised Internship

Complete the following course:

AM IND C122XP - Working in Tribal Communities: Community-Engaged Learning

Capstone

Complete the following course:

AM IND 199C - Individual Studies: Capstone Synthesis

Honors Program

Complete the following courses, with a professor who agrees to mentor and guide them through the stages of senior essay design and development during their senior year. Completion of a senior thesis is required.

AM IND 198A - Honors Research in American Indian Studies

AM IND 198B - Honors Research in American Indian Studies

AM IND 198C - Honors Research in American Indian Studies

Policies

Preparation for the Major Policies

Each course must be completed with a grade of C or better.

The Major Policies

Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better. No more than two independent studies courses (199s) may be applied toward the degree

Honors Program

The honors program is designed for American Indian Studies majors who are interested in carrying out an independent research project that culminates in an interdepartmental honors thesis of approximately 30 pages. The program gives qualified students the opportunity to work closely with individual professors on an in-depth supervised research and writing project.

All junior and senior American Indian Studies majors who have a cumulative grade-point average of 3.0 or better and at least a cumulative GPA of 3.5 in coursework in the major are eligible to apply. Consult the student affairs officer for more information.

To qualify for graduation with honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in the major course requirements and an overall GPA of 3.0 or better, and (3) complete American Indian Studies 198A-198B-198C, taken with a professor who agrees to mentor and guide them through the stages of senior essay design and development during their senior year. Completion of a senior thesis is required.

Minor

American Indian Studies Minor

College / School
College of Letters and Science

Department
American Indian Studies

Level

Undergraduate

Overview

The American Indian Studies minor is designed for students who wish to augment their major program of study in the College of Letters and Science with a group of related courses from various disciplines germane to American Indian studies. The minor exposes students to Indian-related research and literature in a number of different disciplines such as American Indian studies, anthropology, economics, history, political science, sociology, and theater.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average), have completed 45 units, and file a petition at the American Indian Studies Center, 3220 Campbell Hall. All degree requirements, including the specific requirements for this minor, must be fulfilled within the unit maximum set forth by the College of Letters and Science.

Minor Requirements

The Minor

Required Lower-Division Course (5 units)

Complete the following course with a grade of C or better:

AM IND M10 - Introduction to American Indian Studies

Required Upper-Division Courses (28 units)

Complete seven courses as follows:

AMERICAN INDIAN LANGUAGES AND COMMUNICATION SYSTEMS

Select one course from:

ANTHRO 155 - Native American Languages and Their Speakers

LING 114 - American Indigenous Linguistics

HISTORY AND SOCIAL SCIENCES

Select three courses from:

AM IND C120 - Working in Tribal Communities: Introduction

AM IND C121 - Working in Tribal Communities: Preparing for Fieldwork

AM IND C122XP - Working in Tribal Communities: Community-Engaged Learning

AM IND C130 - California Indian Strategies for Contemporary Challenges

AM IND 140 - Federal Indian Law and Policy

AM IND 158 - Nation Building

AM IND C170 - California Indian History

AM IND C175 - Cultures of Native Southern California

AM IND C178 - California Experiences in Native Cultural Resource Management

ANTHRO 113Q - California Archaeology

ANTHRO 113R - Southwestern Archaeology

ANTHRO 114P - Ancient Civilizations of Mesoamerica

ANTHRO 114Q - Ancient Civilizations of Andean South America

GENDER 130 - Women of Color in the U.S.

HIST 149A - North American Indian History, Precontact to 1830

HIST 149B - North American Indian History, 1830 to Present

HIST 157B - Indians of Colonial Mexico

SOCIOL M161 - Comparative American Indian Societies

HUMANISTIC PERSPECTIVES ON LANGUAGE AND EXPRESSIVE CULTURE

Select three courses from:

AM IND 180 - Introduction to and Practicum in Native American Languages

ART HIS 137 - Arts of Native North America

ART HIS CM139A - Maya Art and Architecture

ENGL 106 - Studies in Native American and Indigenous Literatures

ENGL 180 - Topics in Literature and Language

ETHNMUS 106A - Traditional North American Indian Music

ETHNMUS 106B - Contemporary North American Indian Music

THEATER 103F - Native American Theater

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units applied toward the minor must be taken in residence at UCLA. Transfer credit for any of the above is subject to program approval; consult with the interdepartmental adviser before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have a minimum grade of C (2.0) in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

American Indian Studies MA

College / School

College of Letters and Science

Department

American Indian Studies

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0501 - Juris Doctor

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Anesthesiology and Perioperative Medicine Overview

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David Geffen School of Medicine

3304 Reagan UCLA Medical Center
Box 957403
Los Angeles, CA 90095-7403

Anesthesiology and Perioperative Medicine
310-267-8655

Maxime Cannesson, MD, PhD, ***Chair***
Joe C. Hong, MD, ***Executive Vice Chair***
Judi A. Turner, MD, PhD, ***Vice Chair, Education***
Thomas M. Vondriska, PhD, ***Vice Chair, Research***
John Shin, MD, ***Director, Medical Student Education***

The medical student program in the Department of Anesthesiology and Perioperative Medicine focuses on the delivery of perioperative care to surgical patients. During their training in the department, students develop clinical skills of medical management of surgical patients, techniques of monitoring and invasive line placement, and airway management skills. They are assigned to work with an attending anesthesiologist and/or anesthesia resident on a daily basis in one of the operating room locations and participate in the preoperative evaluation and preparation of their patients and development of an anesthetic plan. Students then observe how to prepare for and execute their anesthetic plan. They have opportunity to perform procedures as their abilities and the situation permit. In addition, the department's Human Patient Simulator provides students with a simulated operating room setting where a variety of clinical situations are initiated so they can practice their clinical skills. Students are also expected to attend

clinically oriented lectures on a wide range of anesthesia topics, including physiology, pharmacology, and critical care.

For more details on the Department of Anesthesiology and Perioperative Medicine and a list of the courses offered, see the **department website**.

Anesthesiology and Perioperative Medicine **faculty information** is available from the department.

Anthropology Overview

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College of Letters and Science

341 Haines Hall
Box 951553
Los Angeles, CA 90095-1553

Anthropology
310-825-2055
Department e-mail

C. Jason Throop, PhD, ***Chair***
Abigail W. Bigham, PhD, ***Undergraduate Vice Chair***
Brooke A. Scelza, PhD, ***Graduate Vice Chair***

Anthropology, the broadest of the social sciences, is the study of humankind. One of the strengths of anthropology as a discipline is its holistic or integrative approach; it links the life sciences and the humanities and has strong ties with disciplines ranging from biology and psychology to linguistics, political science, and the fine arts. Anthropological study is appropriate for people with a wide variety of interests: human cultures and civilizations both present and past, human and animal behavior, particular regions of the world such as Africa, Asia, Latin America, Oceania, etc.

Studies in anthropology are particularly valuable for students planning careers in which an understanding of human behavior and cultural diversity is desirable, such as business, education, law, medicine, nursing, public health, social welfare, and urban planning. Because of its breadth of outlook, anthropology also offers an ideal basis for those seeking a general education in our increasingly interdependent world.

Fields

The Department of Anthropology recognizes the following four fields in anthropology:

Archaeology is the study of human cultures and the natural, social, ideological, economic, and political environments in which they operated in the recent and distant past. The graduate and undergraduate programs focus on methods of discovery (field and laboratory courses), strategies of analysis pertaining to long-term cultural evolution (theory, analytic, and topical courses), and the unfolding of prehistory in many regions of the world, including North America, Mesoamerica, South America, and several parts of the Old World (regional courses). Faculty members have long-standing interests in the origins and evolution of complexity, including early human adaptations, the political organization of complex hunters/gatherers, the origins of early village life, and the emergence and florescence of ancient cities and states. Faculty members maintain programs of field research involving many students in North America, Mesoamerica, South America, and East and South Asia.

Biological anthropology is the study of humans and other primates from a Darwinian point of view. The program focuses on the evolutionary ecology of early hominids, extant primates, and contemporary humans and includes training in evolutionary theory, behavioral ecology, evolutionary psychology, paleoanthropology, paleoecology, primate behavior, and mathematical modeling. Faculty members associated with the program have engaged in fieldwork in Africa, Central America, and Southeast Asia where ongoing projects include work on primate behavior, hominid evolution, and evolutionary psychology.

Linguistic anthropology is an interdisciplinary field that addresses the manifold ways in which language, interaction, and culture mutually organize each other in different communities worldwide. Linguistic anthropologists at UCLA have a variety of backgrounds and research interests that include face-to-face communication, language contact and change, language and politics, language socialization across the lifespan, verbal art and performance, and the relation of language to ideology, mind, emotion, and identity. Courses are offered in ethnographic approaches to discourse analysis, field methods, language ideology, conversation analysis, language socialization, and communication in urban communities, as well as on cross-cultural language practices.

Sociocultural anthropology concerns the examination and understanding of social and cultural systems and processes, and the human capacities that enable them. Its goal is to understand their operation in specific settings and to understand the experience of individuals who live in these diverse systems. Faculty members have engaged in fieldwork in almost every area of the world, but most notably in Africa, Latin America, East and Southeast Asia, and Oceania. They have also engaged in ethnographic research among Americans with diverse ethnic identities and in various institutional settings.

Bridging the four primary subfields are several other dimensions of anthropological study, including psychocultural anthropology and medical anthropology. Courses are also offered in the history and theory of anthropology and a wide range of anthropological methods.

Course Numbering

Anthropology courses are organized by number into the categories shown.

Course Numbers	Category

100-119, 210-219	Archaeology
120-129, 220-229	Biological Anthropology
130-149, 230-249	Sociocultural Anthropology
150-159, 250-259	Linguistic Anthropology
160-169	Regional Cultures
188-199, 290-299	Specialized Studies
280-289	Research Methods
375-599	Special Studies

Anthropology Faculty Roster

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Professors

Stephen B. Acabado, PhD
H. Samy Alim, PhD
Andrew Apter, PhD
H. Clark Barrett, PhD
Aomar Boum, PhD *(Maurice Amado Professor of Sephardic Studies)*
Philippe I. Bourgois, PhD, *in Residence*
P. Jeffrey Brantingham, PhD
Jessica R. Cattelino, PhD
Jason P. De León, PhD
Daniel M.T. Fessler, PhD *(Bedari Kindness Institute Endowed Professor)*
Alan Page Fiske, PhD
Linda C. Garro, PhD
Akhil Gupta, PhD
Laurie K. Hart, PhD
Douglas W. Hollan, PhD
Christopher M. Kelty, PhD
Paul V. Kroskrity, PhD
Richard G. Lesure, PhD *(Marilyn Beaudry-Corbett Endowed Professor of Mesoamerican Archaeology)*
Nancy E. Levine, PhD
Jessica W. Lynch, PhD
Purnima Mankekar, PhD
Norma C. Mendoza-Denton, PhD
Kyeyoung R. Park, PhD *(Korea Times-Hankook Ilbo Endowed Professor of Korean American Studies and Law)*

Susan E. Perry, PhD
Jemima Pierre, PhD
Brooke A. Scelza, PhD
Gregson T. Schachner, PhD
David Delgado Shorter, PhD
Susan E. Slyomovics, PhD
Monica L. Smith, PhD *(Navin and Pratima Doshi Professor of Indian Studies)*
Shannon E. Speed, PhD
James W. Stigler, PhD
C. Jason Throop, PhD
Yunxiang Yan, PhD

Professors Emeriti

Nicholas G. Blurton Jones, PhD
Robert Boyd, PhD
Karen B. Brodkin, PhD
Carole H. Browner, PhD
Christopher B. Donnan, PhD
Alessandro Duranti, PhD
Marjorie Harness Goodwin, PhD
Sondra Hale, PhD
Allen W. Johnson, PhD
Gail E. Kennedy, PhD
Joseph H. Manson, PhD
Claudia I. Mitchell-Kernan, PhD
Philip L. Newman, PhD
Elinor Ochs, PhD
Sherry B. Ortner, PhD
Merrick Posnansky, PhD
Dwight W. Read, PhD
Joan B. Silk, PhD
Charles S. Stanish, PhD
Mariko Tamanoi, PhD
Russell Thornton, PhD
Thomas S. Weisner, PhD

Associate Professors

Salih Can Açiksöz, PhD
Hannah C. Appel, PhD

Abigail W. Bigham, PhD
Erin K. Debenport, PhD
Molly M. Fox, PhD
Min Li, PhD
Bharat J. Venkat, PhD
Brian M. Wood, PhD

Assistant Professors

Justin P. Dunnavant, PhD
Ippolytos A. Kalofonos, MD, PhD, *in Residence*
Caitlin R. O'Grady, PhD

Adjunct Professors

M. Kamari Clarke, PhD
Robert B. Lemelson, PhD

Adjunct Associate Professors

Elizabeth A. Bromley, MD, PhD
Erica A. Cartmill, PhD
Tamar Kremer-Sadlik, PhD
Tritia Toyota, PhD
Thomas A. Wake, PhD

Major

Anthropology BA

College / School

College of Letters and Science

Department

Anthropology

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The major is designed for students interested in an anthropological understanding of human behavior. One of the strengths of anthropology is its cross-cultural holistic and integrative approach with many

fields, such as biology, history, linguistics, the social sciences, and many of the humanities.

Learning Outcomes

1. Broad knowledge of archaeological, biological, sociocultural, and linguistic anthropology
2. Familiarity with the history, methods, and current theoretical debates in the field
3. General knowledge of, and developed skills working with, empirical and anthropological evidence
4. Proficiency in library research, data interpretation, synthesis, and writing
5. Proficiency formulating and answering relevant questions through critical reasoning, making use of current primary scientific literature, identification of appropriate sources, reading and understanding of papers, and discriminating research quality

Entry to the Major

Transfer Students

Transfer applicants to the Anthropology BA major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one human evolution course, one archaeology course, one sociocultural anthropology course, and one culture and communication course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete the following four courses:

ANTHRO 1 - Human Evolution

ANTHRO 2 - Archaeology: Introduction

ANTHRO 3 - Culture and Society

ANTHRO 4 - Culture and Communication

The Major

To gain a comprehensive understanding of the discipline as a whole, students must take two courses in the sociocultural anthropology field and one course in each of the other three fields (see Overview). Students may take any upper-division course in the given area to fulfill this requirement. Students must complete 11 courses (44 to 52 units) as follows:

Fields

Select two courses in the sociocultural anthropology field and one in each of the other three fields.

SOCIOCULTURAL ANTHROPOLOGY

Select two courses from:

Anthropology 130 through 149

ARCHAEOLOGY

Select one course from:

Anthropology 110 through 119

BIOLOGICAL ANTHROPOLOGY

Select one course from:

Anthropology 120 through 129

LINGUISTIC ANTHROPOLOGY

Select one course from:

Anthropology 150 through 159

Regional Cultures

Select one course from the following range or see the department for additional course options:

Anthropology 160 through 169

History/Theory

Select one course from the following range or see the department for additional course options:

ANTHRO 100 - History of Anthropology

ANTHRO 110 - Principles of Archaeology

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 120 - Survey of Biological Anthropology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 130 - Study of Culture

ANTHRO 131 - Critical Social Theory

ANTHRO 136A - Introduction to Psychological Anthropology: Historical Development

ANTHRO 140 - Study of Social Systems

ANTHRO M150 - Language in Culture

Methodology

Select one course from the following range or see the department for additional course options:

ANTHRO 110 - Principles of Archaeology

ANTHRO CM110Q - Introduction to Archaeological Sciences

ANTHRO C117 - Selected Laboratory Topics in Archaeology

ANTHRO 126P - Paleopathology

ANTHRO 135 - Visual Anthropology: Documentary Photography

ANTHRO 138P - Field Methods in Cultural Anthropology

ANTHRO M138Q - Fieldwork in Asian American and Pacific Islander Communities

ANTHRO 151 - Ethnography of Everyday Speech

ANTHRO 195CE - Community and Corporate Internships in Anthropology

Anthropology Electives

Select three additional upper-division anthropology courses.

Honors Seminars

Students are strongly encouraged to enroll in 3 to 4 units of 89 and/or 189 courses to gain small seminar experience. Ideally, at least one of the units should be at the upper-division level.

ANTHRO 89 - Honors Seminars

ANTHRO 189 - Advanced Honors Seminars

Honors Program

The honors program offers research-oriented students an opportunity to engage in original research and analysis under the close supervision of faculty members and culminates in an honors thesis. The proposal, research, analysis, and writing of the paper take place over four terms via Anthropology 191HA through 191HD. Course 191HA is taken in winter quarter and 191HB in spring quarter. Research should be done in summer, and courses 191HC and 191HD are taken in fall and winter quarters of the graduation year.

ANTHRO 191HA - Beginning Seminar

ANTHRO 191HB - Field Methods

ANTHRO 191HC - Data Analysis

ANTHRO 191HD - Writing for Anthropology

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

The Major Policies

Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Honors Program

To be admitted students should have a cumulative grade-point average of 3.0 overall and a 3.5 cumulative GPA in their upper-division Anthropology courses. The application for admission must be submitted during fall quarter. Ideal candidates should have junior or senior standing and have completed at least two upper-division anthropology courses. Students should contact the departmental honors adviser early in their studies for more information.

Major

Anthropology BS

College / School
College of Letters and Science

Department
Anthropology

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The major gives an overview of human evolution and is designed to prepare students for careers in anthropology and the health sciences, including medicine, dentistry, public health, and nursing.

Learning Outcomes

1. Broad knowledge of archaeological, biological, sociocultural, and linguistic anthropology
2. Familiarity with the history, methods, and current theoretical debates in the field
3. General knowledge of, and developed skills working with, empirical and anthropological evidence
4. Proficiency in library research, interpreting data, synthesis, and writing
5. Demonstrated knowledge and understanding of mathematics, physical sciences, and life sciences to meet pre-medical-school requirements
6. Proficiency formulating and answering relevant questions through critical reasoning, making use of current primary scientific literature, database searches, identification of appropriate sources, reading and understanding of papers, and discriminating research quality

Entry to the Major

Transfer Students

Transfer applicants to the Anthropology BS major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one human evolution course, one archaeology course, one sociocultural anthropology course, one culture and communication course, two general biology courses for majors, one year of calculus, one year of general chemistry with laboratory, one year of general physics with laboratory, and one lower-division organic chemistry course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four Anthropology courses, one Chemistry series, four Life Science courses, one Mathematics series, and three Physics courses as follows:

Anthropology

Complete the following four courses:

- ANTHRO 1 - Human Evolution
- ANTHRO 2 - Archaeology: Introduction
- ANTHRO 3 - Culture and Society
- ANTHRO 4 - Culture and Communication

Chemistry and Biochemistry

Select one series from:

CHEMISTRY 14 SERIES

- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 14B - General Chemistry for Life Scientists II
- CHEM 14BL - General and Organic Chemistry Laboratory I
- CHEM 14C - Structure of Organic Molecules

CHEMISTRY 20 AND 30 SERIES

- CHEM 20A - Chemical Structure
- CHEM 20B - Chemical Energetics and Change
- CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

Life Sciences

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

Mathematics

Select one series from:

LIFE SCIENCES 30 SERIES

Students may select Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

MATHEMATICS 3 SERIES

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

MATHEMATICS 31 SERIES

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

Physics

Complete the following three courses:

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete nine courses as follows:

Fields

Select two courses in the sociocultural anthropology field and one in each of the other three fields:

SOCIOCULTURAL ANTHROPOLOGY

Select two courses from:

Anthropology 130 through 149

ARCHAEOLOGY

Select one course from:

Anthropology 110 through 119

BIOLOGICAL ANTHROPOLOGY

Select one course from:

Anthropology 120 through 129

LINGUISTIC ANTHROPOLOGY

Select one course from:

Anthropology 150 through 159

Regional Cultures

Select one course from the following range or see the department for additional course options:

Anthropology 160 through 169

History/Theory

Select one course from the following range or see the department for additional course options:

ANTHRO 100 - History of Anthropology

ANTHRO 110 - Principles of Archaeology

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 120 - Survey of Biological Anthropology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 130 - Study of Culture

ANTHRO 131 - Critical Social Theory

ANTHRO 136A - Introduction to Psychological Anthropology: Historical Development

ANTHRO 140 - Study of Social Systems

ANTHRO M150 - Language in Culture

Anthropology Electives

Select two additional upper-division anthropology courses.

Honors Seminars

Students are strongly encouraged to enroll in 3 to 4 units of 89 and/or 189 courses to gain small seminar experience. Ideally, at least one of the units should be at the upper-division level.

ANTHRO 89 - Honors Seminars

ANTHRO 189 - Advanced Honors Seminars

Honors Program

The honors program offers research-oriented students an opportunity to engage in original research and analysis under the close supervision of faculty members and culminates in an honors thesis. The proposal, research, analysis, and writing of the paper take place over four terms via Anthropology

191HA through 191HD. Course 191HA is taken in winter quarter and 191HB in spring quarter. Research should be done in summer, and courses 191HC and 191HD are taken in fall and winter quarters of the graduation year.

ANTHRO 191HA - Beginning Seminar

ANTHRO 191HB - Field Methods

ANTHRO 191HC - Data Analysis

ANTHRO 191HD - Writing for Anthropology

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

The Major Policies

Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Honors Program

To be admitted students should have a cumulative grade-point average of 3.0 overall and a 3.5 cumulative GPA in their upper-division Anthropology courses. The application for admission must be submitted during fall quarter. Ideal candidates should have junior or senior standing and have completed at least two upper-division anthropology courses. Students should contact the departmental honors adviser early in their studies for more information.

Minor

Anthropology Minor

College / School
College of Letters and Science

Department
Anthropology

Level

Undergraduate

Overview

Students who wish to take a series of courses in anthropology, but major in another discipline, may be interested in the Anthropology minor. Students select courses from the four fields within anthropology (archaeology, biological anthropology, linguistic anthropology, sociocultural anthropology), although they are encouraged to focus the body of their coursework within one field.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from:

- ANTHRO 1 - Human Evolution
- ANTHRO 2 - Archaeology: Introduction
- ANTHRO 3 - Culture and Society
- ANTHRO 4 - Culture and Communication

Required Upper-Division Courses (20 unit minimum)

Students are encouraged to concentrate their upper-division coursework within one field and are required to consult with the undergraduate adviser in planning their program of study.

CORE

Select one course from one of the four anthropology fields listed in the Anthropology major.

- ANTHRO 111 - Theory in Anthropological Archaeology
- ANTHRO 120 - Survey of Biological Anthropology
- ANTHRO 130 - Study of Culture
- ANTHRO 140 - Study of Social Systems

ANTHRO M150 - Language in Culture

ADDITIONAL COURSES

Complete four additional courses.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Anthropology MA, PhD

College / School

College of Letters and Science

Department

Anthropology

Degree Level

Graduate

Degree Objective

Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Applied Linguistics Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

3125 Campbell Hall
Box 951543
Los Angeles, CA 90095-1543

Linguistics
310-825-0634
Linguistics e-mail

Kie R. Zuraw, PhD, ***Graduate Studies Director***

The UCLA Academic Senate approved the disestablishment of the Department of Applied Linguistics; the discontinuance of the graduate degree and certificate programs, Language Teaching minor, and African Languages BA; and the transfer of the Applied Linguistics BA to the Department of Linguistics effective winter quarter 2015. Students currently enrolled in any of the programs may complete them under current requirements.

Undergraduate Study

The Applied Linguistics BA was transferred to the **Linguistics** Department effective winter quarter 2015.

Graduate Study

The Department of Applied Linguistics offers Master of Arts (MA), Candidate in Philosophy (CPhil), and Doctor of Philosophy (PhD) degrees in Applied Linguistics. However, the UCLA Academic Senate

approved the discontinuance of the graduate degree and certificate programs effective winter quarter 2015. Students currently enrolled in any of the programs may complete them under current requirements.

Archaeology Overview

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Interdepartmental Program
College of Letters and Science

A210 Fowler Building
Box 951510
Los Angeles, CA 90095-1510

Archaeology
310-825-4169
E-mail contact

Stephen B. Acabado, PhD, ***Chair***

The Archaeology Interdepartmental Program brings together interests and specialties represented by those departments offering courses in archaeology, as well as others offering courses relevant to archaeology.

Mission

The primary purpose of the program is to train scholars in archaeology for university-level teaching and research and other professional aims. Its resources are intended for those archaeology students whose academic goals cannot be met within any single department and who, consequently, require an individually designed plan of study combining academic preparation in two or more departments. Applications are especially encouraged from students whose interests may form bridges with disciplines and departments not offering archaeology (e.g., botany, chemistry, geology, mathematics, statistics, and zoology). There are opportunities for participation in a variety of field, laboratory, and computer studies.

Archaeology Faculty Committee

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Stephen B. Acabado, PhD *(Anthropology)*
Sarah E. Beckman, PhD *(Classics)*
P. Jeffrey Brantingham, PhD *(Anthropology, Mathematics)*
Aaron A. Burke, PhD *(Near Eastern Languages and Cultures)*
Meredith M. Cohen, PhD *(Art History)*
Kathlyn (Kara) M. Cooney, PhD *(Near Eastern Languages and Cultures)*
Jason P. De Léon, PhD *(Anthropology, Chicana/o and Central American Studies)*
Justin P. Dunnavant, PhD *(African American Studies, Anthropology)*
Sharon E. Gerstel, PhD *(Art History)*
Ioanna Kakoulli, DPhil *(Materials Science and Engineering)*
Richard G. Lesure, PhD *(Anthropology)*
Min Li, PhD *(Anthropology, Asian Languages and Cultures)*
Sarah P. Morris, PhD *(Classics)*
Stella E. Nair, PhD *(Art History)*
John K. Papadopoulos, PhD *(Classics)*
Ellen J. Pearlstein, MA *(Information Studies)*
Gregson T. Schachner, PhD *(Anthropology)*
Monica L. Smith, PhD *(Anthropology, Environment and Sustainability)*
Lothar von Falkenhausen, PhD *(Art History)*
Thomas A. Wake, PhD *(Anthropology)*
Willeke Z. Wendrich, PhD *(Near Eastern Languages and Cultures)*
Glenn Wharton, PhD *(Art History)*
Gregory D. Woolf, PhD *(Classics, History)*

Major

Archaeology MA, CPhil, PhD

College / School

College of Letters and Science

Department

Archaeology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Arts, Candidate in Philosophy

Overview

The program does not encourage applicants who seek only an MA degree.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Architecture and Urban Design Overview

You're now viewing the 2024-25 Catalog

School of the Arts and Architecture

1317 Perloff Hall
Box 951467
Los Angeles, CA 90095-1467

Architecture and Urban Design
310-825-7857
Admissions e-mail

Mariana Ibañez, MArch, ***Chair***
A. Kutan Ayata, MArch, ***Vice Chair***

The Department of Architecture and Urban Design at UCLA offers a Bachelor of Arts (BA) degree in Architectural Studies and four graduate degree programs tailored to the needs of different groups of students: Master of Architecture (MArch); Master of Arts (MA) and Doctor of Philosophy (PhD) in Architecture; and Master of Science (MS) in Architecture and Urban Design.

Accreditation

In the U.S. most state registration boards require a degree from an accredited professional degree program as a requisite for licensure. The National Architectural Accrediting Board (NAAB), the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes two types of degrees: bachelor of architecture and master of architecture. A program may be granted a five-year, three-year, or two-year term of accreditation, depending on its degree of conformance with established

standards. Master’s degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree which, when earned sequentially, comprise an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

Architecture and Urban Design Faculty Roster

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Professors

Hitoshi Abe, PhD *(Paul I. and Hisako Terasaki Professor of Contemporary Japanese Studies)*
Dana Cuff, PhD
Neil M. Denari, MArch
Greg S. Lynn, MArch
Heather L. Roberge, MArch

Professors Emeriti

Marvin Adelson, PhD
Samuel Aroni, PhD
Diane G. Favro, PhD
Thomas S. Hines, PhD
Craig E. Hodgetts
F. Eugene Kupper, MArch
Jurg Lang, DiplArch
Sylvia Lavin, PhD
Robin S. Liggett, PhD
Mark H. Mack, MArch
Thom Mayne, MA
Murray A. Milne, MArch
Barton Myers, MArch

George Rand, PhD
Dagmar E. Richter, DiplArch
Richard Schoen, MArch
Thomas R. Vreeland, Jr., MArch

Associate Professors

A. Kutan Ayata, MArch
Georgina Huljich, MArch
Mariana Ibañez, MArch
Ayala Levin, PhD
Michael Osman, PhD
Jason K. Payne, MArch

Assistant Professors

Cristóbal Amunátegui, PhD
Miroslava Brooks, MArch
Samaa Elimam, MArch, PhD

Lecturers

Todd M. Lynch, MArch
Narineh Mirzaeian, MArch
Güvenç Özel, MArch
Martin Paull, BArch

Adjunct Professors

Kevin M. Daly, MArch
Jeffrey N. Inaba, MArch, MA
Alan Locke, MSc

Adjunct Associate Professors

Julia Koerner-Al-Rawi, MSc
Mohamed Sharif, MSc

Adjunct Assistant Professor

Natasha S. Sandmeier, MA

Major

Architectural Studies BA

College / School

School of the Arts and Architecture

Department

Architecture and Urban Design

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The BA in Architectural Studies is a two-year program with focus on the built environment. The curriculum visualizes architecture as a cultural, creative, and technical practice and a discipline with direct social impact. Within the context of a liberal arts education, a finely balanced set of architecture and urban

design courses, ranging from the history and theory of design to contemporary building technologies, provides students with a diverse foundation of knowledge in the field of architecture and prepares them for graduate school and/or careers in a wide range of fields.

Learning Outcomes

1. Demonstrated competence in representational techniques including physical and digital modeling, drawing, and analytical diagramming
2. Use of representational techniques to document design concepts, organization, spatial order, and scale
3. Ability to compile portfolio of original architectural and three-dimensional design proposals
4. Familiarity with historical and contemporary precedents in the field
5. Demonstrated written awareness of the historical, technological, and cultural significance of precedent works
6. Familiarity with, and presentation and discussion of, concepts related to form, organization, and space making
7. Delivery of oral and graphic presentations of design concepts and proposals
8. Reception of and response to design criticism, and reflection of this response in revised design documentation, as an integral part of the design process

Entry to the Major

Admission

Students are admitted for fall quarter only. Admission is highly competitive, and only a limited number of students are admitted each year. UCLA students may apply for admission in fall quarter of their second year in residence, must have at least a 3.0 cumulative grade-point average, and are required to complete the preparation for the major courses, with grades of B or better, before applying for admission. Transfer students must have at least a 3.0 cumulative GPA and are expected to complete the preparation for the major courses during their first year in residence. All applicants must submit a statement of interest and a three- to six-page PDF of creative work. For more information, consult with the undergraduate adviser.

Major Requirements

Preparation for the Major

Complete the following three courses:

- ARCH&UD 10A - Histories of Architecture and Urbanism I
- ARCH&UD 10B - Histories of Architecture and Urbanism II
- ARCH&UD 30 - Introduction to Architectural Studies

The Major

Complete the following nine courses:

- ARCH&UD 121 - Studio I
- ARCH&UD 122 - Studio II
- ARCH&UD 123 - Studio III
- ARCH&UD 131 - Issues in Contemporary Design
- ARCH&UD 132 - Histories of Housing and Domesticity: 19th Century to the Present
- ARCH&UD 133 - Spatial Justice and the City
- ARCH&UD 141 - Technology I: Projections
- ARCH&UD 142 - Technology II: Building Materials and Methods

ARCH&UD 143 - Technology III: Digital Technology

Major

Architecture and Urban Design MS

College / School

School of the Arts and Architecture

Department

Architecture and Urban Design

Degree Level

Graduate

Degree Objective

Master of Science

Overview

The Architecture and Urban Design MS is an advanced self-supporting professional degree program for students who already hold a first professional degree in architecture. The program offers opportunities for

intensive concentration in a variety of areas of professional specialization.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Architecture MA, PhD

College / School

School of the Arts and Architecture

Department

Architecture and Urban Design

Degree Level

Graduate

Degree Objective

Master of Arts, Doctor of Philosophy

Overview

The MA and PhD degree programs offer opportunities to pursue research and scholarship in the field of architecture. Graduates typically pursue academic or applied research and consulting careers.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Architecture

College / School

School of the Arts and Architecture

Department

Architecture and Urban Design

Degree Level

Graduate

Degree Objective

Master of Architecture

Overview

MArch is a three-year first professional degree program accredited by the National Architectural Accrediting Board (NAAB). It does not assume any prior background in architecture. Students who do have some prior architecture background (e.g., a four-year undergraduate degree) may also enter the

program and may petition to waive certain required courses and substitute more advanced electives in their place. MArch graduates normally pursue professional careers in architectural practice.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0916 - Master of Urban and Regional Planning

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Art History Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

100 Dodd Hall
Box 951417
Los Angeles, CA 90095-1417

Art History
310-206-6905

Saloni Mathur, PhD, ***Chair***

The Department of Art History endorses an interdisciplinary and intercultural approach to art history of all periods and places. By thinking across current categories and boundaries and even critically interrogating art history itself, students are encouraged to question the canon, rethink the relationship between margins and centers, and practice a socially and politically responsible art history.

The rich and varied art resources available at UCLA and throughout Southern California offer students extraordinary opportunities to supplement the formal curriculum.

Art History Faculty Roster

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Professors

George T. Baker, PhD
Charlene Villaseñor Black, PhD
Sharon E. Gerstel, PhD *(George P. Kolovos Family Centennial Term Professor of Hellenic Studies)*
Hui-Shu Lee, PhD
Saloni Mathur, PhD
Lothar von Falkenhausen, PhD
Glenn Wharton, PhD *(Lore and Gerald Cunard Professor)*
Bronwen Wilson, PhD *(Edward W. Carter Professor of European Art)*

Professors Emeriti

Robert L. Brown, PhD
Susan B. Downey, PhD
Burglind Jungmann, PhD
Cecelia F. Klein, PhD
Miwon Kwon, PhD *(Walter Hopps Professor Emerita of Modern and Contemporary Art)*
Steven D. Nelson, PhD
David A. Scott, PhD
Debora L. Silverman, PhD *(Presidential Professor Emerita of Modern European History, Art, and Culture)*
Dell Upton, PhD

Associate Professors

Lamia Balafrej, PhD
Meredith M. Cohen, PhD
Stella E. Nair, PhD

Assistant Professors

Tiffany E. Barber, PhD
Zirwat Chowdhury, PhD
Kristopher W. Kersey, PhD
David H. Schneller, PhD
Thiago Sevilhano Puglieri, PhD

Adjunct Assistant Professor

Gregory T. Harwell, PhD

Major

Art History BA

College / School
College of Letters and Science

Department
Art History

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Program

The Art History major is a designated capstone program. Students have options for completing a senior honors thesis, a directed independent study, an advanced undergraduate seminar, a museum studies internship, a research assistantship, or a faculty-approved upper-division course that includes additional

coursework culminating in the completion of a capstone paper. Through their capstone work, students are expected to conceive and execute a research or creative project; identify and evaluate documentation relevant to the discipline; develop an enhanced capacity for writing and research, critical and analytical thinking, and competent familiarity with art historical methodologies; and identify and articulate these arguments within art historical discourse and areas of specialization. The capstone experience also enables students to develop an enriched understanding of the foundations of the discipline, as well as the current landscape of the field.

Learning Outcomes

1. Accurate identification of major works of art within periods, cultures, or genres comprising various art history subfields
2. Analysis of individual works of art using appropriate art history terminology; and placement of them in their aesthetic, historical, and cultural contexts
3. Identification and characterization of significant artistic traditions from chronologically and culturally disparate societies
4. Conduct original research, employing appropriate art history theories and methods, and critical use of primary and secondary sources
5. Formulation of effective and convincing written and oral arguments, and placement of them within the larger interpretive traditions of the field

Entry to the Major

Transfer Students

Transfer applicants to the Art History major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two art history courses in ancient, Renaissance and baroque, medieval, or modern art and two courses in African, Asian, or pre-Columbian art.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses. It is strongly recommended that the courses be taken prior to enrollment in upper-division courses. Some of these courses serve as requisites to certain upper-division courses.

Art History 20 through 32

Select four courses from:

Art History 20 through 32

The Major

Eleven upper-division art history courses as follows:

Historical Periods

Select one course from each of the following three historical periods:

ANCIENT/MEDIEVAL BEFORE 1400

Select one course from:

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

ART HIS M110C - Ancient Egyptian Temple and City of Thebes

ART HIS M111 - Minoan Art and Archaeology

ART HIS M112A - Mycenaean Art and Archaeology

ART HIS M112B - Archaic Greek Art and Archaeology

ART HIS M112C - Classical Greek Art and Archaeology

ART HIS M112D - Hellenistic Greek Art and Archaeology

ART HIS M113A - Etruscan Art and Archaeology

ART HIS M113B - Roman Art and Archaeology

ART HIS M114A - Classical Archaeology: Greco-Roman Architecture

ART HIS M114B - Classical Archaeology: Greco-Roman Sculpture

ART HIS M114C - Classical Archaeology: Greco-Roman Painting

ART HIS C114D - Selected Topics in Ancient Art

ART HIS CM115A - Late Antique Art and Architecture

ART HIS C115B - Early Medieval Art and Architecture

ART HIS 115C - Romanesque Art and Architecture

ART HIS C115D - Gothic Art and Architecture

ART HIS 115E - Late Gothic Art and Architecture

ART HIS C115F - Medieval Paris

ART HIS C116A - Middle Byzantine Art and Architecture

ART HIS C116B - Late Byzantine Art and Architecture

ART HIS C117A - Medieval Archaeology

ART HIS C117B - Selected Topics in Medieval Art

ART HIS M118A - Medieval Armenian Art

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS CM139A - Maya Art and Architecture

ART HIS C148A - Art and Material Culture, Neolithic to 210 BC

ART HIS C148B - Art and Material Culture of Early Imperial China, 210 BC to AD 906

ART HIS 154A - Early Art of India

EARLY MODERN, 1400 TO 1700

Select one course from:

- ART HIS 121A - Italian Renaissance Art of 14th Century
- ART HIS 121B - Italian Renaissance Art of 15th Century
- ART HIS 121C - Italian Renaissance Art of 16th Century
- ART HIS 121D - Late Renaissance Art: Counter-Reformation
- ART HIS 124 - Northern Renaissance Art
- ART HIS C125A - Southern Baroque Art
- ART HIS 125B - Northern Baroque Art
- ART HIS C126 - Selected Topics in Early Modern Art
- ART HIS C139B - Aztec Art and Architecture
- ART HIS C139C - Inca Art and Architecture
- ART HIS CM141 - Colonial Latin American Art
- ART HIS C148C - Art and Material Culture of Late Imperial China, 906 to 1911
- ART HIS C148E - Art in Modern China
- ART HIS C152B - History of Korean Painting
- ART HIS C152C - History of Korean Ceramics
- ART HIS 154B - Later Art of India

MODERN/CONTEMPORARY, 1700 TO PRESENT

Select one course from:

- ART HIS M118B - Armenian Painting, 17th to 20th Century
- ART HIS 127A - European Art of 17th and 18th Centuries
- ART HIS 127B - European Art of 19th Century
- ART HIS M127C - Cultural and Intellectual History of Modern Europe, 19th Century
- ART HIS C128A - History of Photography, 1839 to 1910
- ART HIS C128B - History of Photography, 1910 to Present

ART HIS C128C - History of Photography: Selected Topics

ART HIS C129A - Modern Art, 1900 to 1950

ART HIS C129B - Dada, 1915 to 1923

ART HIS C129C - Surrealism, 1924 to 1939

ART HIS 130 - Selected Topics in Modern Art

ART HIS C131A - Contemporary Art, 1940s to 1950s

ART HIS C131B - Contemporary Art, 1960s to 1970s

ART HIS C131C - Contemporary Art, 1980s to 1990s

ART HIS 132 - Selected Topics in Contemporary Art

ART HIS C133A - American Art before Civil War

ART HIS C133B - American Art in Gilded Age, 1860 to 1900

ART HIS C133C - American Art, 1900 to 1945

ART HIS 133D - Architecture in U.S.

ART HIS 133E - American Houses

ART HIS CM135A - African American Art before 1900

ART HIS CM135B - African American Art, 1900 to 1963

ART HIS C136A - Selected Topics in African American Art

ART HIS C142A - Mexican Art in Modern Age

ART HIS C142B - Latin American Art of 20th Century

ART HIS C145B - Contemporary Arts of Africa

ART HIS C148D - Advanced Chinese Art

ART HIS 154D - Modern and Contemporary South Asian Art

ART HIS C160 - Art and Empire

ART HIS C170A - Museum Studies

Geographic Regions

Select three courses from at least three of the following five geographic regions:

AFRICA

ART HIS C145A - Architecture and Urbanism in Africa

ART HIS C145B - Contemporary Arts of Africa

ART HIS C146A - Selected Topics in African Art

ASIA

ART HIS C148A - Art and Material Culture, Neolithic to 210 BC

ART HIS C148B - Art and Material Culture of Early Imperial China, 210 BC to AD 906

ART HIS C148C - Art and Material Culture of Late Imperial China, 906 to 1911

ART HIS C148D - Advanced Chinese Art

ART HIS C148E - Art in Modern China

ART HIS C149 - Selected Topics in Chinese Art

ART HIS 150A - Japanese Art

ART HIS C150B - Advanced Japanese Art

ART HIS C151 - Selected Topics in Japanese Art

ART HIS 152A - Arts of Korea

ART HIS C152B - History of Korean Painting

ART HIS C152C - History of Korean Ceramics

ART HIS C152D - History of Korean Buddhist Art

ART HIS C153 - Selected Topics in Korean Art

ART HIS 154A - Early Art of India

ART HIS 154B - Later Art of India

ART HIS C154C - Advanced Indian Art

ART HIS 154D - Modern and Contemporary South Asian Art

ART HIS C155 - Selected Topics in South and Southeast Asian Art

ART HIS 156 - Arts of Southeast Asia

ART HIS C158A - Selected Topics in Asian Arts and Architecture

EUROPE AND U.S.

ART HIS C115B - Early Medieval Art and Architecture

ART HIS 115C - Romanesque Art and Architecture

ART HIS C115D - Gothic Art and Architecture

ART HIS 115E - Late Gothic Art and Architecture

ART HIS C115F - Medieval Paris

ART HIS 121A - Italian Renaissance Art of 14th Century

ART HIS 121B - Italian Renaissance Art of 15th Century

ART HIS 121C - Italian Renaissance Art of 16th Century

ART HIS 121D - Late Renaissance Art: Counter-Reformation

ART HIS 124 - Northern Renaissance Art

ART HIS C125A - Southern Baroque Art

ART HIS 125B - Northern Baroque Art

ART HIS C126 - Selected Topics in Early Modern Art

ART HIS 127A - European Art of 17th and 18th Centuries

ART HIS 127B - European Art of 19th Century

ART HIS M127C - Cultural and Intellectual History of Modern Europe, 19th Century

ART HIS C129A - Modern Art, 1900 to 1950

ART HIS C129B - Dada, 1915 to 1923

ART HIS C129C - Surrealism, 1924 to 1939

ART HIS C131A - Contemporary Art, 1940s to 1950s

ART HIS C131B - Contemporary Art, 1960s to 1970s

ART HIS C131C - Contemporary Art, 1980s to 1990s

ART HIS C133A - American Art before Civil War

ART HIS C133B - American Art in Gilded Age, 1860 to 1900

ART HIS C133C - American Art, 1900 to 1945

ART HIS 133D - Architecture in U.S.

ART HIS 133E - American Houses

ART HIS CM135A - African American Art before 1900

ART HIS CM135B - African American Art, 1900 to 1963

ART HIS 137 - Arts of Native North America

ART HIS C170A - Museum Studies

LATIN AMERICA AND CARIBBEAN

ART HIS CM139A - Maya Art and Architecture

ART HIS C139B - Aztec Art and Architecture

ART HIS C139C - Inca Art and Architecture

ART HIS C140 - Selected Topics in Arts of Indigenous Americas

ART HIS CM141 - Colonial Latin American Art

ART HIS C142A - Mexican Art in Modern Age

ART HIS C142B - Latin American Art of 20th Century

ART HIS 143 - Selected Topics in Latin American Art

ART HIS 144 - Caribbean Art

MEDITERRANEAN, MIDDLE EAST, AND NEAR EAST

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

ART HIS M110C - Ancient Egyptian Temple and City of Thebes

ART HIS M111 - Minoan Art and Archaeology

ART HIS M112A - Mycenaean Art and Archaeology

ART HIS M112B - Archaic Greek Art and Archaeology

ART HIS M112C - Classical Greek Art and Archaeology

ART HIS M112D - Hellenistic Greek Art and Archaeology

ART HIS M113A - Etruscan Art and Archaeology

ART HIS M113B - Roman Art and Archaeology

ART HIS M114A - Classical Archaeology: Greco-Roman Architecture

ART HIS M114B - Classical Archaeology: Greco-Roman Sculpture

ART HIS M114C - Classical Archaeology: Greco-Roman Painting

ART HIS CM115A - Late Antique Art and Architecture

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

Art History Electives

Additional art history electives selected from courses 100 through 185 (20 units minimum). Courses 196, 197A, and 197B may also be included. With prior approval of the undergraduate adviser, one of these courses may be taken in another department.

ART HIS 196 - Research Apprenticeship in Art History

ART HIS 197A - Individual Studies in Art History

ART HIS 197B - Individual Capstone Studies

ART HISTORY 100 THROUGH 185

Art History 100 through 185

Language Training

While the department does not require language training beyond the College requirement, Art History majors, particularly those planning graduate work, are strongly encouraged to study foreign languages beyond what is required by the College.

Honors Program

The honors program is designed for Art History majors who are interested in carrying out an independent research project that culminates in a departmental honors thesis of approximately 30 pages. The program gives qualified students the opportunity to work closely with individual professors on an in-depth supervised research and writing project. Complete the following courses with grades of A.

ART HIS 198A - Honors Research in Art History

ART HIS 198B - Honors Research in Art History

Policies

The Major Policies

Each course must be taken for a letter grade.

Honors Program

All senior Art History majors who have completed a minimum of six upper-division art history courses with a departmental grade-point average of 3.5 or better and an overall GPA of 3.0 or better are eligible to apply. Consult the art history student affairs officer no later than the beginning of fall quarter of the senior year.

To qualify for graduation with honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses in the department and an overall GPA of 3.0 or better, and (3) complete Art History 198A and 198B with grades of A– or better.

To qualify for graduation with highest honors students must (1) complete all requirements for the major, (2) have a cumulative GPA of 3.85 or better in upper-division courses in the department and an overall GPA of 3.65 or better, and (3) complete courses 198A and 198B with grades of A.

Minor

Art History Minor

College / School
College of Letters and Science

Department
Art History

Level

Undergraduate

Overview

The Art History minor is designed for students who wish to augment their major with a series of courses that analyze the history, theory, and criticism of diverse visual traditions in world culture. On the lower-division level, the minor exposes students to overviews of these traditions in broad time periods from ancient to modern, from the regional to the global, as well as to courses that trace the historical significance of art in the context of specific thematic and media concerns. upper-division courses offer more specialized content that explores crucial episodes or areas with more intense and rigorous theoretical and methodological strategies.

Entry to the Minor

Admission

To enter the minor students must be in good academic standing with an overall grade-point average of 2.0 or better, have completed 45 units, and file a petition with the student affairs officer in 206B Dodd Hall, 310-825-3992. Students are advised to declare the minor early and meet with the student affairs officer to plan a coherent program.

Minor Requirements

The Minor

Required Lower-Division Courses (15 units)

Select three courses from:

- ART HIS 20 - Ancient Art
- ART HIS 21 - Medieval Art
- ART HIS 22 - Renaissance and Baroque Art
- ART HIS 23 - Modern Art
- ART HIS 24 - Architecture in Modern World
- ART HIS 25 - Museum Studies
- ART HIS 27 - Art and Architecture of Ancient Americas
- ART HIS 28 - Arts of Africa
- ART HIS 29 - Chinese Art
- ART HIS 30 - Arts of Japan
- ART HIS 31 - Art of India and Southeast Asia

ART HIS 32 - Arts of the Mediterranean

Required Upper-Division Courses (20 units)

Five art history courses as follows:

HISTORICAL PERIODS

Select two courses from at least two of the following historical periods:

Ancient/Medieval before 1400

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

ART HIS M110C - Ancient Egyptian Temple and City of Thebes

ART HIS M111 - Minoan Art and Archaeology

ART HIS M112A - Mycenaean Art and Archaeology

ART HIS M112B - Archaic Greek Art and Archaeology

ART HIS M112C - Classical Greek Art and Archaeology

ART HIS M112D - Hellenistic Greek Art and Archaeology

ART HIS M113A - Etruscan Art and Archaeology

ART HIS M113B - Roman Art and Archaeology

ART HIS M114A - Classical Archaeology: Greco-Roman Architecture

ART HIS M114B - Classical Archaeology: Greco-Roman Sculpture

ART HIS M114C - Classical Archaeology: Greco-Roman Painting

ART HIS C114D - Selected Topics in Ancient Art

ART HIS CM115A - Late Antique Art and Architecture

ART HIS C115B - Early Medieval Art and Architecture

ART HIS 115C - Romanesque Art and Architecture

ART HIS C115D - Gothic Art and Architecture

ART HIS 115E - Late Gothic Art and Architecture

ART HIS C115F - Medieval Paris

ART HIS C116A - Middle Byzantine Art and Architecture

ART HIS C116B - Late Byzantine Art and Architecture

ART HIS C117A - Medieval Archaeology

ART HIS C117B - Selected Topics in Medieval Art

ART HIS M118A - Medieval Armenian Art

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS CM139A - Maya Art and Architecture

ART HIS C148A - Art and Material Culture, Neolithic to 210 BC

ART HIS C148B - Art and Material Culture of Early Imperial China, 210 BC to AD 906

ART HIS 154A - Early Art of India

Early Modern, 1400 to 1700

ART HIS 121A - Italian Renaissance Art of 14th Century

ART HIS 121B - Italian Renaissance Art of 15th Century

ART HIS 121C - Italian Renaissance Art of 16th Century

ART HIS 121D - Late Renaissance Art: Counter-Reformation

ART HIS 124 - Northern Renaissance Art

ART HIS C125A - Southern Baroque Art

ART HIS 125B - Northern Baroque Art

ART HIS C126 - Selected Topics in Early Modern Art

ART HIS C139B - Aztec Art and Architecture

ART HIS C139C - Inca Art and Architecture

ART HIS CM141 - Colonial Latin American Art

ART HIS C148C - Art and Material Culture of Late Imperial China, 906 to 1911

ART HIS C148E - Art in Modern China

ART HIS C152B - History of Korean Painting

ART HIS C152C - History of Korean Ceramics

ART HIS 154B - Later Art of India

Modern/Contemporary, 1700 to Present

ART HIS M118B - Armenian Painting, 17th to 20th Century

ART HIS 127A - European Art of 17th and 18th Centuries

ART HIS 127B - European Art of 19th Century

ART HIS M127C - Cultural and Intellectual History of Modern Europe, 19th Century

ART HIS C128A - History of Photography, 1839 to 1910

ART HIS C128B - History of Photography, 1910 to Present

ART HIS C128C - History of Photography: Selected Topics

ART HIS C129A - Modern Art, 1900 to 1950

ART HIS C129B - Dada, 1915 to 1923

ART HIS C129C - Surrealism, 1924 to 1939

ART HIS 130 - Selected Topics in Modern Art

ART HIS C131A - Contemporary Art, 1940s to 1950s

ART HIS C131B - Contemporary Art, 1960s to 1970s

ART HIS C131C - Contemporary Art, 1980s to 1990s

ART HIS 132 - Selected Topics in Contemporary Art

ART HIS C133A - American Art before Civil War

ART HIS C133B - American Art in Gilded Age, 1860 to 1900

ART HIS C133C - American Art, 1900 to 1945

ART HIS 133D - Architecture in U.S.

ART HIS 133E - American Houses

ART HIS CM135A - African American Art before 1900

ART HIS CM135B - African American Art, 1900 to 1963

ART HIS C136A - Selected Topics in African American Art

ART HIS C142A - Mexican Art in Modern Age

ART HIS C142B - Latin American Art of 20th Century

ART HIS C145B - Contemporary Arts of Africa

ART HIS C148D - Advanced Chinese Art

ART HIS 154D - Modern and Contemporary South Asian Art

ART HIS C160 - Art and Empire

ART HIS C170A - Museum Studies

GEOGRAPHIC REGIONS

Select two courses from at least two of the following geographic regions:

Africa

ART HIS C145A - Architecture and Urbanism in Africa

ART HIS C145B - Contemporary Arts of Africa

ART HIS C146A - Selected Topics in African Art

Asia

ART HIS C148A - Art and Material Culture, Neolithic to 210 BC

ART HIS C148B - Art and Material Culture of Early Imperial China, 210 BC to AD 906

ART HIS C148C - Art and Material Culture of Late Imperial China, 906 to 1911

ART HIS C148D - Advanced Chinese Art

ART HIS C148E - Art in Modern China

ART HIS C149 - Selected Topics in Chinese Art

ART HIS 150A - Japanese Art

ART HIS C150B - Advanced Japanese Art

ART HIS C151 - Selected Topics in Japanese Art

ART HIS 152A - Arts of Korea

ART HIS C152B - History of Korean Painting

ART HIS C152C - History of Korean Ceramics

ART HIS C152D - History of Korean Buddhist Art

ART HIS C153 - Selected Topics in Korean Art

ART HIS 154A - Early Art of India

ART HIS 154B - Later Art of India

ART HIS C154C - Advanced Indian Art

ART HIS 154D - Modern and Contemporary South Asian Art

ART HIS C155 - Selected Topics in South and Southeast Asian Art

ART HIS 156 - Arts of Southeast Asia

ART HIS C158A - Selected Topics in Asian Arts and Architecture

Europe and U.S.

ART HIS C115B - Early Medieval Art and Architecture

ART HIS 115C - Romanesque Art and Architecture

ART HIS C115D - Gothic Art and Architecture

ART HIS 115E - Late Gothic Art and Architecture

ART HIS C115F - Medieval Paris

ART HIS 121A - Italian Renaissance Art of 14th Century

ART HIS 121B - Italian Renaissance Art of 15th Century

ART HIS 121C - Italian Renaissance Art of 16th Century

ART HIS 121D - Late Renaissance Art: Counter-Reformation

ART HIS 124 - Northern Renaissance Art

ART HIS C125A - Southern Baroque Art

ART HIS 125B - Northern Baroque Art

ART HIS C126 - Selected Topics in Early Modern Art

ART HIS 127A - European Art of 17th and 18th Centuries

ART HIS 127B - European Art of 19th Century

ART HIS M127C - Cultural and Intellectual History of Modern Europe, 19th Century

ART HIS C129A - Modern Art, 1900 to 1950

ART HIS C129B - Dada, 1915 to 1923

ART HIS C129C - Surrealism, 1924 to 1939

ART HIS C131A - Contemporary Art, 1940s to 1950s

ART HIS C131B - Contemporary Art, 1960s to 1970s

ART HIS C131C - Contemporary Art, 1980s to 1990s

ART HIS C133A - American Art before Civil War

ART HIS C133B - American Art in Gilded Age, 1860 to 1900

ART HIS C133C - American Art, 1900 to 1945

ART HIS 133D - Architecture in U.S.

ART HIS 133E - American Houses

ART HIS CM135A - African American Art before 1900

ART HIS CM135B - African American Art, 1900 to 1963

ART HIS 137 - Arts of Native North America

ART HIS C170A - Museum Studies

Latin America and Caribbean

ART HIS CM139A - Maya Art and Architecture

ART HIS C139B - Aztec Art and Architecture

ART HIS C139C - Inca Art and Architecture

ART HIS C140 - Selected Topics in Arts of Indigenous Americas

ART HIS CM141 - Colonial Latin American Art

ART HIS C142A - Mexican Art in Modern Age

ART HIS C142B - Latin American Art of 20th Century

ART HIS 143 - Selected Topics in Latin American Art

ART HIS 144 - Caribbean Art

Mediterranean, Middle East, and Near East

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

ART HIS M110C - Ancient Egyptian Temple and City of Thebes

ART HIS M111 - Minoan Art and Archaeology

ART HIS M112A - Mycenaean Art and Archaeology

ART HIS M112B - Archaic Greek Art and Archaeology

ART HIS M112C - Classical Greek Art and Archaeology

ART HIS M112D - Hellenistic Greek Art and Archaeology

ART HIS M113A - Etruscan Art and Archaeology

ART HIS M113B - Roman Art and Archaeology

ART HIS M114A - Classical Archaeology: Greco-Roman Architecture

ART HIS M114B - Classical Archaeology: Greco-Roman Sculpture

ART HIS M114C - Classical Archaeology: Greco-Roman Painting

ART HIS CM115A - Late Antique Art and Architecture

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HISTORY ELECTIVE

Select one additional art history elective from Art History 100 through 185. May include Art History 197A

ART HIS 197A - Individual Studies in Art History

Art History 100 through 185

Art History 100 through 185

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

By petition, one upper-division course with substantial art historical content and methodology applied toward the students' majors may also be applied toward this minor.

Each minor course must be taken for a letter grade (unless the course is graded only on a P/NP basis), and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Art History MA, PhD

College / School

College of Letters and Science

Department

Art History

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Art Overview

You're now viewing the 2024-25 Catalog

School of the Arts and Architecture

2275 Broad Art Center
Box 951615
Los Angeles, CA 90095-1615

Art
310-825-3281
Department e-mail

Rodney T. McMillian, MFA, *Chair*

The Department of Art offers professional art training with an emphasis on interdisciplinary experimentation, equity, and inclusion in art. The core studio curriculum is supported by courses in art history, theory, and criticism, and empowers students to reshape their worlds through critical inquiry and transformative creativity. Students are exposed to a broad range of approaches to making and interpreting art, as well as diverse perspectives on the role of art and artists in society. Bachelor of Arts (BA) degree coursework and Master of Fine Arts (MFA) areas of study include ceramics, interdisciplinary studio, new genres, painting and drawing, photography, and sculpture. Students are encouraged to work intensively within and across these areas of study to find their own voices and craft their own practices. Art majors have access to departmental labs in each area of study as well as a digital studio. Additionally, the Hammer Museum and the Fowler Museum at UCLA are among the many arts resources available to students, both on campus and in the Los Angeles community.

The Art Department reserves the right to use documentation and reproductions of student art work from studio courses, student exhibitions, and other records of creative work in publications including, but not limited to, the undergraduate and graduate brochures and publications, department and school websites, social media, and presentations and events related to student recruitment and outreach.

Art Faculty Roster

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Professors

Andrea Fraser
Rodney T. McMillian, MFA
Rebecca J. Morris, MFA
Hirsch Perlman, BA
Cauleen Smith, MFA

Professors Emeriti

Jennifer Bolande, BFA
Raymond B. Brown, MA
Barbara Drucker, MFA
Russell Ferguson, MA
Roger R. Herman, MFA
Mary Kelly, MA
Barbara Kruger
Paul D. McCarthy, MFA
Catherine S. Opie, MFA *(Lynda and Stewart Resnick Endowed Professor Emerita of Art)*
Lari G. Pittman, MFA
Charles R. Ray, MFA
Nancy J. Rubins, MFA
Adrian A. Saxe, BFA
James Welling, MFA
Patty A. Wickman, MFA

Associate Professors

Candice C. Lin, MFA
Anna M. Sew Hoy, MFA
Rodrigo A. Valenzuela, MFA

Assistant Professors

Vishal Jugdeo, MFA
Gelare Khoshgozaran, MFA
Cosmo D. Whyte, MFA

Major

Art BA

College / School
School of the Arts and Architecture

Department
Art

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Art major is a designated capstone major. As part of the upper-division advanced studio requirements, all undergraduate students are required to complete a senior studio course that emphasizes analysis and criticism of individual creative work and ideas. Students develop and present a body of creative work in

which they exhibit familiarity with and competence in a range of techniques and media, and a level of proficiency in utilizing particular media appropriate to advanced-level studio projects. Graduates are expected to demonstrate familiarity with global historical precedents for and issues in contemporary art, to understand terms and concepts relevant to contemporary art discourse, and to have the ability to effectively articulate analysis of works of art to participate in a studio critique.

Learning Outcomes

1. Familiarity with and competency in multiple techniques and media, and a level of proficiency utilizing particular media appropriate to advanced studio projects
2. Development of a body of original artwork
3. Familiarity with global historical precedents for, and issues in, contemporary art
4. Understanding of terms and concepts relevant to contemporary art discourse
5. Ability to effectively analyze works of art through studio critique

Major Requirements

Preparation for the Major

Complete the following nine required courses and one art history elective:

ART 1A - Drawing

ART 1B - Sculpture

ART 11A - Painting

ART 11B - Photography

ART 11D - New Genres

ART 11E - Ceramics

ART 31A - Rise of Modernism in Global Context

ART 31B - Global Modernism

ART 31C - Modernism and Its Discontents

Art History Elective

Select one course from:

Art History 20 through 31

The Major

Complete a minimum of nine upper-division courses as follows:

ART 132 - Survey of Critical Thought

Studio Areas

Select six courses from at least four of the following studio areas. At least one must be designated with an A.

ART 130 - Advanced Drawing

ART 130A - Advanced Drawing: Topics in Anti-Racism, Equity, Diversity, and Inclusion

ART 133 - Advanced Painting

ART 133A - Advanced Painting: Topics in Anti-Racism, Equity, Diversity, and Inclusion

ART 137 - Advanced New Genres

ART 137A - Advanced New Genre: Topics in Anti-Racism, Equity, Diversity, and Inclusion

ART 140 - Advanced Printmaking

ART 145 - Advanced Sculpture

ART 145A - Advanced Sculpture: Topics in Anti-Racism, Equity, Diversity, and Inclusion

ART 147 - Advanced Photography

ART 147A - Advanced Photography: Topics in Anti-Racism, Equity, Diversity, and Inclusion

ART 148 - Advanced Ceramics

ART 148A - Advanced Ceramics: Topics in Anti-Racism, Equity, Diversity, and Inclusion

ART 149 - Advanced Interdisciplinary Studio

ART 149A - Advanced Interdisciplinary Studio: Topics in Anti-Racism, Equity, Diversity, and Inclusion

Art History Elective

Select one course from:

Art History M110A through 185

Capstone Senior Studio

Complete the following course:

ART 150 - Senior Capstone

Art Electives

Complete 8 units of art electives.

Policies

The Major Policies

Each course applied toward major requirements must be taken for a letter grade, with the exception of Art 190, 193, and 195, which are offered only on a Passed/Not Passed grading basis. Of those, no more than 4 units total may be applied toward the upper-division art elective requirement.

Major

Art MFA

College / School

School of the Arts and Architecture

Department

Art

Degree Level

Graduate

Degree Objective

Master of Fine Arts

Overview

The MFA curriculum fosters the development of a sustained artistic practice through exploration, experimentation, and intensive studio work and study. Opened in Fall 2019, the UCLA Margo Leavin Graduate Art Studios provide individual and communal work spaces for MFA art students with a flexible

design that considers the nature of contemporary artistic practice. The six areas of study—ceramics, interdisciplinary studio, new genres, painting and drawing, photography, and sculpture—are supplemented by contemporary critical theory seminars. Students are encouraged to work across areas of study within the department.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Additional guidelines are outlined on the Department of Art website.

Arts and Architecture Overview

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School of the Arts and Architecture

2200 Broad Art Center
Box 951620
Los Angeles, CA 90095-1620

School of the Arts and Architecture
310-206-3564
School e-mail

The School of the Arts and Architecture offers courses as part of the schoolwide curriculum.

Arts and Architecture Schoolwide Programs Overview

You're now viewing the 2024-25 Catalog

School of the Arts and Architecture

2200 Broad Art Center
Box 951620
Los Angeles, CA 90095-1620

Office of Student Services
310-206-3564

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship and are thoroughly examined for cogency, completeness, and academic merit.

Major

Individual Field of Concentration BA in Arts and Architecture

College / School

School of the Arts and Architecture

Department

Arts and Architecture Schoolwide Programs

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship and are thoroughly examined for cogency, completeness, and academic merit.

Capstone Major

Learning Outcomes

1. Demonstrated understanding of how the research and creative methodologies of different disciplines can interface with and illuminate the understanding of another
2. Design of a course of study that shows a deep understanding of how the disparate disciplines are connected
3. Demonstrated ability to read in the scholarly discourse and style of different disciplines
4. Development of voice in written thesis for an interdisciplinary audience
5. Written thesis that demonstrates mastery of diverse fields as a result of research sources and production of scholarly and creative work outside of traditionally defined academic boundaries
6. Production of a final paper or creative project that synthesizes and integrates a principal theme or themes common to coursework and diverse fields of knowledge

Asian American Studies Overview

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College of Letters and Science

3332 Rolfe Hall
Box 957225
Los Angeles, CA 90095-7225

Asian American Studies
310-267-5592

Keith L. Camacho, PhD, *Chair*

The Department of Asian American Studies, founded in 2004, promotes the study of Asian and Pacific Islander Americans across a number of fields and disciplines.

Following the tradition of civil rights struggles of the 1960s and 1970s, the department values the social relevance of academy-based knowledge production, as well as the connection between academia, the Asian and Pacific Islander community, and other disadvantaged social groups. Faculty members in the department are likewise committed to offering a broad, inclusive, and flexible curriculum designed to meet maximum student needs, with emphasis on close mentorship, collaborative teaching, and engaged scholarship.

The department offers a Bachelor of Arts (BA) degree, undergraduate minors in Asian American Studies and Pilipino Studies, a Master of Arts (MA) degree, and two concurrent degree programs: Asian American Studies MA/Master of Public Health with the Fielding School of Public Health Community Health Sciences Department, and Asian American Studies MA/Master of Social Welfare with the Luskin School of Public Affairs Social Welfare Department. The Asian American Studies educational program performs the following missions: conducts teaching that enables students to learn, think, and practice in a nurturing and intellectually stimulating environment; equips students with theoretical and practical knowledge, as well as analytical and communicative skills that reflect the excellence of the faculty; and prepares students either

for advanced graduate studies or for life after college as artists, citizens, entrepreneurs, political leaders, and professionals.

As an interdisciplinary field, the Asian American studies curriculum examines the contemporary realities, diverse experiences, and histories of Asian and Pacific Islander Americans. The topical range of such examination includes community work and development, cultural production (including digital media and creative expression), gender, and generational dynamics, immigration and diaspora, political participation, social activism, and transnational encounters.

The teaching and research methods used by faculty members in the department are interdisciplinary and comparative in nature, with a healthy mix of quantitative, qualitative, interpretive, and applied approaches. These methods develop out of dynamic cross-fertilization among faculty expertise that registers both major intellectual shifts in the field and notable trends from disparate disciplines, professional practices, and epistemological traditions.

Asian American Studies Faculty Roster

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Professors

Keith Lujan Camacho, PhD
Michelle L. Caswell, PhD
Mitchell J. Chang, PhD
Jennifer Jihye Chun, PhD
C. Cindy Fan, PhD
Gilbert C. Gee, PhD
Grace Kyungwon Hong, PhD
Jerry Kang, JD
Vinay Lal, PhD
Anna S. Lau, PhD
Jinqi Ling, PhD
Purnima Mankekar, PhD
Valerie J. Matsumoto, PhD *(George and Sakaye Aratani Professor of Japanese American Incarceration, Redress, and Community)*
Vinit Mukhija, PhD
Thu-hương Nguyễn-võ, PhD
Kyeyoung R. Park, PhD *(Korea Times–Hankook Ilbo Endowed Professor of Korean American Studies and Law)*
Shu-mei Shih, PhD *(Irving and Jean Stone Professor)*
Renee E. Tajima-Peña, BA *(UCLA Alumni and Friends of Japanese Ancestry Professor of Japanese American Studies)*
Karen N. Umemoto, PhD

David K. Yoo, PhD
Min Zhou, PhD

Professors Emeriti

Marjorie Kagawa-Singer, RN, PhD
Snehendu B. Kar, DrPH, MSc
Robert A. Nakamura, MFA *(UCLA Alumni and Friends of Japanese Ancestry Professor Emeritus of Japanese American Studies)*
Paul M. Ong, PhD

Associate Professors

Victor Bascara, PhD
Lucy M. Burns, PhD
Evyn C. Lê Espiritu Gandhi, PhD
Natalie R. Masuoka, PhD
Robert Chao Romero, JD, PhD
Lisa Uperesa, PhD

Assistant Professors

Juliann T. Anesi, PhD
Jolie Chea, PhD
Nour A. Joudah, PhD
Loubna N. Qutami, PhD
Cindy C. Sangalang, PhD
Lee Ann S. Wang, PhD

Adjunct Professor

Benjamin K.P. Woo, MD

Adjunct Associate Professor

Tritia Toyota, PhD

Major

Asian American Studies BA

College / School
College of Letters and Science

Department
Asian American Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The BA program in Asian American Studies provides a general introduction for students who anticipate advanced work at the graduate level or careers in research, public service, and community work related to

Asian and Pacific Islander Americans.

Capstone Major

The Asian American Studies major is a designated capstone major. Students are required to complete either a community-based applied team research project or an independent scholarly or creative expression project. Those who select the community-based project are expected to use their scholarly knowledge and analytical skills to examine problems facing Asian and Pacific Islander American populations, think creatively and innovatively about evidence-based solutions, and to produce reports that benefit community stakeholders. Those who select to design and complete an independent scholarly or creative expression project pursue a key idea or theme of personal interest that is related to their prior coursework and to the experiences and realities of Asian and Pacific Islander Americans. Through their capstone work, all students are expected to demonstrate their skills in using and synthesizing knowledge gained in disparate courses and communicating effectively their findings and conclusions in a final paper, report, or project and in a public forum.

Learning Outcomes

1. Development of literacy in foundational histories, emergent and transnational directions, theories, geographies, and ideas of ethnic studies
2. Understanding of past and present Asian American and Pacific Islander issues, communities, social movements, geographies, and thought
3. Curation of skills in critical and interdisciplinary methodological training in archival research, oral history, ethnography, creative production, data collection and analysis, etc.
4. Engagement with pedagogies that examine Asian American and Pacific Islander and ethnic studies decolonial epistemologies and creative expressions

5. Centering of the relationship between theory and community engagement, social justice activism, transformative change, and movement building

Entry to the Major

Admission

An overall grade-point average of 2.0 or better is required for admission to the major.

Transfer Students

Transfer applicants to the Asian American Studies major with 90 or more units must complete the following introductory course if possible prior to admission to UCLA: one lower-division Asian American studies course or one course that focuses on Asian Americans or ethnic studies.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Two courses from Asian American Studies 10 or 10W, 20 or 20W, 30 or 30W, 40 or 40W, 50 or 50W:

- ASIA AM 10 - History of Asian Americans
- ASIA AM 10W - History of Asian Americans
- ASIA AM 20 - Contemporary Asian American Communities
- ASIA AM 20W - Contemporary Asian American Communities
- ASIA AM 30 - Asian American Literature and Culture
- ASIA AM 30W - Asian American Literature and Culture
- ASIA AM 40 - Asian American Movement

ASIA AM 40W - Asian American Movement

ASIA AM 50 - Asian American Women

ASIA AM 50W - Asian American Women

The Major

A total of 12 upper-division courses as follows:

Asian American and Pacific Islander Communities and Social Movements

Select one course from:

ASIA AM M108 - Policy, Planning, and Community

ASIA AM 109 - Gender Violence, Policing, and Law

ASIA AM 110 - American Immigration Policy

ASIA AM 113 - Asian Americans and Law

ASIA AM M116 - Asian American Social Movements

ASIA AM M119XP - Asian American and Pacific Islander Labor Issues

ASIA AM 130A - Chinese American Experience

ASIA AM M130B - Chinese Immigrant Literature and Film

ASIA AM M130C - Chinese Immigration

ASIA AM 131A - Japanese American Experience

ASIA AM 131B - Japanese Americans and Incarceration

ASIA AM 131C - Japanese American Resettlement

ASIA AM 132A - Korean American Experience

ASIA AM 133 - Pilipino American Experience

ASIA AM 134 - Vietnamese American Experience

ASIA AM 135 - Southeast Asian Refugee Communities in U.S.

ASIA AM 141AX - Asian American and Pacific Islander Leadership Development Project Part I: Leadership

ASIA AM 141BX - Asian American and Pacific Islander Leadership Development Project Part II: Field Studies

ASIA AM 143B - Politics of Race, Ethnicity, Migration, and Multiculturalism in Hawai'i

ASIA AM M143C - Ethnic Identity and Ethnic Relations in Hawai'i

ASIA AM 171F - U.S. Empire in Southeast Asia

ASIA AM 177 - Social Movements in Guam and Pacific

ASIA AM 187C - Special Courses in Asian American Populations and Communities

ASIA AM 191C - Topics in Asian American Populations and Communities

Global and Transnational Perspectives

Select one course from:

ASIA AM 111 - Asian Americans and War

ASIA AM 123 - Cultures of/against Empire

ASIA AM 125 - Transpacific Literature and Theory

ASIA AM 170 - Transnational Perspectives on Asian America

ASIA AM 171A - Critical Issues in U.S.-China Relations

ASIA AM 171B - Critical Issues in U.S.-Japan Relations

ASIA AM 171C - Critical Issues in U.S.-Korea Relations

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

ASIA AM 171F - U.S. Empire in Southeast Asia

ASIA AM M172A - Indian Identity in U.S. and Diaspora

ASIA AM 172B - Gender in South Asian Communities at Home and Abroad

ASIA AM 172C - Transnational Bollywood

ASIA AM M173 - Topics in Vietnamese Cinema and/or Literature

ASIA AM 174B - Special Courses in Transnationalism and Diasporas

ASIA AM 175B - Topics in Transnationalism and Diasporas

ASIA AM 176 - Making Fiction Work: Imagining Philippines and its Elsewheres

ASIA AM 178 - Critical Refugee Studies

ASIA AM M179 - Asian Community: Border-Crossing, Diasporic Formation, and Social Transformation

Comparative and Intersectional Ethnic Studies

Select one course from:

ASIA AM 109 - Gender Violence, Policing, and Law

ASIA AM 110 - American Immigration Policy

ASIA AM M112A - Historical Survey of Asian American Literature

ASIA AM M112B - Contemporary Asian American Literary Issues and Criticism

ASIA AM 113 - Asian Americans and Law

ASIA AM M114 - Asian American Education and Schooling

ASIA AM 115 - Women and Community in Asian American Studies

ASIA AM M117 - Asian American Personality and Mental Health

ASIA AM 118 - Asian American Religious History

ASIA AM 122A - Indigeneity, Empire, and Resistance in Pacific Islands

ASIA AM M124 - Comparative Racialization and Indigeneity

ASIA AM 126 - Comparative Race and Indigeneity

ASIA AM M128 - Participatory Action Research on Youth Organizing for Racial Justice

ASIA AM M129 - Health Issues for Asian Americans and Pacific Islanders: Myth or Model?

ASIA AM M161 - Ethnic, Cultural, and Gender Issues in America's Healthcare Systems

ASIA AM M162 - Class and Gender in Care Work

ASIA AM M163 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

ASIA AM M164 - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

ASIA AM M165 - Race, Gender, Class

ASIA AM M166A - Immigrant Rights, Labor, and Higher Education

ASIA AM M166B - Research on Immigration Rights, Labor, and Higher Education

ASIA AM M166C - Research on Immigrant Students and Higher Education

ASIA AM 167 - Immigration and New Second Generation

ASIA AM M169 - Constructing Race

ASIA AM 172B - Gender in South Asian Communities at Home and Abroad

ASIA AM 174A - Special Courses in Comparative Race, Ethnicity, Gender, and Sexuality

ASIA AM 175A - Topics in Comparative Race, Ethnicity, Gender, and Sexuality

ASIA AM M191F - Topics in Asian American Literature

Methodology, Creative Production, and Community Engagement

Select one course from:

ASIA AM 103 - Social Science Research Methods

ASIA AM 104A - Field Studies Methods in Asian Pacific Communities

ASIA AM 104B - Special Internships in Asian Pacific Communities

ASIA AM 105 - Historical Research Methods

ASIA AM 107 - Scholarly and Creative Communication in Asian American Studies

ASIA AM 112C - Asian American Creative Writing

ASIA AM M119XP - Asian American and Pacific Islander Labor Issues

ASIA AM 120 - Representation and Resistance: Asian American Independent Cinema

ASIA AM 121 - Exploring Asian American Theater

ASIA AM 122B - Gender and Film in Pacific

ASIA AM 140XP - Power to People: Asian American and Pacific Islander Community-Based Learning

ASIA AM 141AX - Asian American and Pacific Islander Leadership Development Project Part I: Leadership

ASIA AM 141BX - Asian American and Pacific Islander Leadership Development Project Part II: Field Studies

ASIA AM C142A - Ethnocommunications I: Introduction to Creating Community Media

ASIA AM C142B - Ethnocommunications II: Intermediate Creating Community Media

ASIA AM C142C - Ethnocommunications III: Advanced Creating Community Media

ASIA AM M143A - Fieldwork in Asian American and Pacific Islander Communities

ASIA AM M160 - Culture, Media, and Los Angeles

ASIA AM M168 - Student-Initiated Retention and Outreach Issues in Higher Education

ASIA AM 172C - Transnational Bollywood

ASIA AM 187A - Special Courses in Research Methodologies

ASIA AM 191A - Topics in Research Methodologies

ASIA AM 198A - Honors Research in Asian American Studies

ASIA AM 198B - Honors Research in Asian American Studies

ASIA AM 198C - Honors Research in Asian American Studies

ASIA AM 199 - Directed Research or Senior Project in Asian American Studies

Additional Upper-Division Courses

Complete two additional upper-division courses from the four categories: Asian American and Pacific Islander communities and social movements; global and transnational perspectives; comparative and intersectional ethnic studies; or methodology, creative production, and community engagement.

Elective Courses

Select five Asian American Studies elective courses from 103 through 199.

Capstone Project

Select one course from:

ASIA AM 185 - Capstone Community-Based Research

ASIA AM 186 - Capstone Research Seminar

Honors Program

Through the Asian American Studies honors program, Asian American Studies majors undertake a year-long thesis or its equivalent with the guidance and supervision of a faculty member. Successful completion of the departmental honors program is indicated on the transcript. For additional information about the departmental honors program, contact the undergraduate academic adviser. Honors students must take the Asian American Studies 198A, 198B, and 198C sequence in which they write a thesis or its equivalent under the direction of a faculty member.

ASIA AM 198A - Honors Research in Asian American Studies

ASIA AM 198B - Honors Research in Asian American Studies

ASIA AM 198C - Honors Research in Asian American Studies

Policies

The Major Policies

Courses may only satisfy one of the four upper-division categories in the major at a time. No course may be applied to more than one category.

No more than 4 graded units of courses numbered 192 and 196 may be applied toward the major.

No more than 12 graded units of courses numbered 195, 197, 198, and 199 may be applied toward the major.

Each course applied toward the major must be taken for a letter grade, each must be at least 4 units, and students must have an overall grade-point average of 2.0 or better.

Honors Program

For additional information about the departmental honors program, contact the undergraduate academic adviser.

Admission

The honors program is open to junior and senior Asian American Studies majors who have (1) 90 or more total units, (2) a grade-point average of 3.5 or better in upper-division Asian American Studies courses and an overall cumulative GPA of 3.0 or better, and (3) completed two lower-division Asian American Studies courses.

Minor

Asian American Studies Minor

College / School
College of Letters and Science

Department
Asian American Studies

Level
Undergraduate

Overview

The Asian American Studies minor is designed for students who wish to gain understanding of and competence in Asian American Studies.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, have completed one Asian American Studies course, and file a petition with the Asian American Studies student adviser, 3333 Rolfe Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from the following list. Both the writing version and non writing version of a course cannot be applied.

- ASIA AM 10 - History of Asian Americans
- ASIA AM 10W - History of Asian Americans
- ASIA AM 20 - Contemporary Asian American Communities
- ASIA AM 20W - Contemporary Asian American Communities
- ASIA AM 30 - Asian American Literature and Culture
- ASIA AM 30W - Asian American Literature and Culture
- ASIA AM 40 - Asian American Movement
- ASIA AM 40W - Asian American Movement
- ASIA AM 50 - Asian American Women
- ASIA AM 50W - Asian American Women

Required Upper-Division Courses (20 units)

A total of five upper-division courses as follows:

ASIAN AMERICAN AND PACIFIC ISLANDER COMMUNITIES AND SOCIAL MOVEMENTS

Select one course from:

ASIA AM M108 - Policy, Planning, and Community

ASIA AM 109 - Gender Violence, Policing, and Law

ASIA AM 110 - American Immigration Policy

ASIA AM 113 - Asian Americans and Law

ASIA AM M116 - Asian American Social Movements

ASIA AM M119XP - Asian American and Pacific Islander Labor Issues

ASIA AM 130A - Chinese American Experience

ASIA AM M130B - Chinese Immigrant Literature and Film

ASIA AM M130C - Chinese Immigration

ASIA AM 131A - Japanese American Experience

ASIA AM 131B - Japanese Americans and Incarceration

ASIA AM 131C - Japanese American Resettlement

ASIA AM 132A - Korean American Experience

ASIA AM 133 - Pilipino American Experience

ASIA AM 134 - Vietnamese American Experience

ASIA AM 135 - Southeast Asian Refugee Communities in U.S.

ASIA AM 141AX - Asian American and Pacific Islander Leadership Development Project Part I: Leadership

ASIA AM 141BX - Asian American and Pacific Islander Leadership Development Project Part II: Field Studies

ASIA AM 143B - Politics of Race, Ethnicity, Migration, and Multiculturalism in Hawai'i

ASIA AM M143C - Ethnic Identity and Ethnic Relations in Hawai'i

ASIA AM 171F - U.S. Empire in Southeast Asia

ASIA AM 177 - Social Movements in Guam and Pacific

ASIA AM 187C - Special Courses in Asian American Populations and Communities

ASIA AM 191C - Topics in Asian American Populations and Communities

GLOBAL AND TRANSNATIONAL PERSPECTIVES

Select one course from:

- ASIA AM 111 - Asian Americans and War
- ASIA AM 123 - Cultures of/against Empire
- ASIA AM 125 - Transpacific Literature and Theory
- ASIA AM 170 - Transnational Perspectives on Asian America
- ASIA AM 171A - Critical Issues in U.S.-China Relations
- ASIA AM 171B - Critical Issues in U.S.-Japan Relations
- ASIA AM 171C - Critical Issues in U.S.-Korea Relations
- ASIA AM M171D - Critical Issues in U.S.-Philippine Relations
- ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations
- ASIA AM 171F - U.S. Empire in Southeast Asia
- ASIA AM M172A - Indian Identity in U.S. and Diaspora
- ASIA AM 172B - Gender in South Asian Communities at Home and Abroad
- ASIA AM 172C - Transnational Bollywood
- ASIA AM M173 - Topics in Vietnamese Cinema and/or Literature
- ASIA AM 174B - Special Courses in Transnationalism and Diasporas
- ASIA AM 175B - Topics in Transnationalism and Diasporas
- ASIA AM 176 - Making Fiction Work: Imagining Philippines and its Elsewheres
- ASIA AM 178 - Critical Refugee Studies
- ASIA AM M179 - Asian Community: Border-Crossing, Diasporic Formation, and Social Transformation

COMPARATIVE AND INTERSECTIONAL ETHNIC STUDIES

Select one course from:

- ASIA AM 109 - Gender Violence, Policing, and Law

ASIA AM 110 - American Immigration Policy

ASIA AM M112A - Historical Survey of Asian American Literature

ASIA AM M112B - Contemporary Asian American Literary Issues and Criticism

ASIA AM 113 - Asian Americans and Law

ASIA AM M114 - Asian American Education and Schooling

ASIA AM 115 - Women and Community in Asian American Studies

ASIA AM M117 - Asian American Personality and Mental Health

ASIA AM 118 - Asian American Religious History

ASIA AM 122A - Indigeneity, Empire, and Resistance in Pacific Islands

ASIA AM M124 - Comparative Racialization and Indigeneity

ASIA AM 126 - Comparative Race and Indigeneity

ASIA AM M128 - Participatory Action Research on Youth Organizing for Racial Justice

ASIA AM M129 - Health Issues for Asian Americans and Pacific Islanders: Myth or Model?

ASIA AM M161 - Ethnic, Cultural, and Gender Issues in America's Healthcare Systems

ASIA AM M162 - Class and Gender in Care Work

ASIA AM M163 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

ASIA AM M164 - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

ASIA AM M165 - Race, Gender, Class

ASIA AM M166A - Immigrant Rights, Labor, and Higher Education

ASIA AM M166B - Research on Immigration Rights, Labor, and Higher Education

ASIA AM M166C - Research on Immigrant Students and Higher Education

ASIA AM 167 - Immigration and New Second Generation

ASIA AM M169 - Constructing Race

ASIA AM 172B - Gender in South Asian Communities at Home and Abroad

ASIA AM 174A - Special Courses in Comparative Race, Ethnicity, Gender, and Sexuality

ASIA AM 175A - Topics in Comparative Race, Ethnicity, Gender, and Sexuality

ASIA AM M191F - Topics in Asian American Literature

METHODOLOGY, CREATIVE PRODUCTION, AND COMMUNITY ENGAGEMENT

Select one course from:

ASIA AM 103 - Social Science Research Methods

ASIA AM 104A - Field Studies Methods in Asian Pacific Communities

ASIA AM 104B - Special Internships in Asian Pacific Communities

ASIA AM 105 - Historical Research Methods

ASIA AM 107 - Scholarly and Creative Communication in Asian American Studies

ASIA AM 112C - Asian American Creative Writing

ASIA AM M119XP - Asian American and Pacific Islander Labor Issues

ASIA AM 120 - Representation and Resistance: Asian American Independent Cinema

ASIA AM 121 - Exploring Asian American Theater

ASIA AM 122B - Gender and Film in Pacific

ASIA AM 140XP - Power to People: Asian American and Pacific Islander Community-Based Learning

ASIA AM 141AX - Asian American and Pacific Islander Leadership Development Project Part I: Leadership

ASIA AM 141BX - Asian American and Pacific Islander Leadership Development Project Part II: Field Studies

ASIA AM C142A - Ethnocommunications I: Introduction to Creating Community Media

ASIA AM C142B - Ethnocommunications II: Intermediate Creating Community Media

ASIA AM C142C - Ethnocommunications III: Advanced Creating Community Media

ASIA AM M143A - Fieldwork in Asian American and Pacific Islander Communities

ASIA AM M160 - Culture, Media, and Los Angeles

ASIA AM M168 - Student-Initiated Retention and Outreach Issues in Higher Education

ASIA AM 172C - Transnational Bollywood

ASIA AM 187A - Special Courses in Research Methodologies

ASIA AM 191A - Topics in Research Methodologies

ASIA AM 198A - Honors Research in Asian American Studies

ASIA AM 198B - Honors Research in Asian American Studies

ASIA AM 198C - Honors Research in Asian American Studies

ASIA AM 199 - Directed Research or Senior Project in Asian American Studies

ELECTIVE COURSE

Select one course from Asian American Studies 103 through M191F, 195, or M195CE.

ASIA AM 195 - Community or Corporate Internships in Asian American Studies

ASIA AM M195CE - Comparative Approaches to Community and Corporate Internships

Policies

The Minor Policies

Courses may only satisfy one of the four upper-division categories in the major at a time. No course may be applied to more than one category.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, each must be at least 4 units, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Pilipino Studies Minor

College / School
College of Letters and Science

Department
Asian American Studies

Level

Undergraduate

Overview

The Pilipino Studies minor produces graduates competent in histories and contemporary experiences of Filipinos in the U.S. and elsewhere in the world. Student understanding of historical and contemporary histories of Filipinos is grounded in questions of equality, social justice, and disparity, which supply a vocabulary and critical thinking skills necessary to engage with issues including class, cultural production, gender, identity formation, labor, migration, and representation. The minor consists of broad courses that study national and diasporic identities as a social formation rather than an innate and unchanging biological assignation. As an interdisciplinary field, Pilipino studies draws from American studies,

anthropology, Asian studies, Asian American studies, ethnic studies, history, literary and performance studies, Philippine studies, and sociology.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average (GPA) of 2.0 or better, have completed the two lower-division minor courses with a GPA of 2.0 or better, and file a petition with the department undergraduate academic adviser, 3339 Rolfe Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete two lower-division courses as follows:

ASIAN AMERICAN STUDIES

Select one course from:

- ASIA AM 10 - History of Asian Americans
- ASIA AM 10W - History of Asian Americans
- ASIA AM 20 - Contemporary Asian American Communities
- ASIA AM 20W - Contemporary Asian American Communities
- ASIA AM 30 - Asian American Literature and Culture
- ASIA AM 30W - Asian American Literature and Culture
- ASIA AM 40 - Asian American Movement
- ASIA AM 40W - Asian American Movement

ASIA AM 50 - Asian American Women

ASIA AM 50W - Asian American Women

FILIPINO LANGUAGE COURSE OR HISTORY 9E

Select one Filipino language course or History 9E from:

FILIPNO 1 - Introductory Filipino

FILIPNO 2 - Introductory Filipino

FILIPNO 3 - Introductory Filipino

FILIPNO 4 - Intermediate Filipino

FILIPNO 5 - Intermediate Filipino

FILIPNO 6 - Intermediate Filipino

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

Required Upper-Division Courses (20 units)

Complete five upper-division courses as follows:

ASIAN AMERICAN STUDIES

Select one course from:

ASIA AM 133 - Pilipino American Experience

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 176 - Making Fiction Work: Imagining Philippines and its Elsewheres

ANTHROPOLOGY 116S, 118Q, HISTORY 176A, 176B, 176C, FILIPINO 170

Select one course from:

ANTHRO 116S - Selected Topics in Archaeology of Southeast Asia

ANTHRO 118Q - Conquest and Colonialism

HIST 176A - History of Southeast Asia to 1815

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST 176C - Philippine History

FILIPNO 170 - People, Society, and Culture of Philippines

ADDITIONAL UPPER-DIVISION COURSES

Select three additional upper-division courses from the preceding lists or from:

ASIA AM 177 - Social Movements in Guam and Pacific

FILIPNO 152 - Survey of Philippine Literature

FILIPNO 155 - Topics in Filipino Cinema and Literature

FILIPNO 170 - People, Society, and Culture of Philippines

GEOG 145 - Slavery and Human Trafficking

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Asian American Studies MA

College / School
College of Letters and Science

Department
Asian American Studies

Degree Level
Graduate

Degree Objective
Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0789 - Master of Public Health

0864 - Master of Social Welfare

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Asian Languages and Cultures Overview

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College of Letters and Science

290 Royce Hall
Box 951540
Los Angeles, CA 90095-1540

Asian Languages and Cultures
310-206-8235
Department e-mail

Seiji M. Lippit, PhD, ***Chair***

The Department of Asian Languages and Cultures offers a wide range of courses in the languages, literatures, religions, and cultural heritage of China, Japan, and Korea, as well as South and Southeast Asia. The department offers training in many specialized fields such as archaeology, film, folklore, history, linguistics, literature, mythology, religious studies, and cultural studies. Courses prepare students for careers in business, government service, international relations, journalism, law, publishing, teaching, and academic professions.

Courses for Nonmajors

The department offers many courses in which knowledge of Asian languages is not required. A current list is available on the Registrar's **course descriptions** web page.

Undergraduate Study

For undergraduates, the department offers majors that combine language study with courses taught in English that examine the rich cultural heritage of China, Japan, and Korea, as well as South and Southeast Asia. The majors also offer opportunities for education abroad in an Asian country. The language courses aim to develop the four skills of speaking, aural comprehension, reading, and writing in a balanced and mutually supportive manner. The lecture and seminar courses aim to develop critical thinking and writing skills through in-depth study of a culture within a broader historical and comparative context.

Undergraduate majors who wish to pursue graduate degrees are encouraged to apply for admission to the departmental honors program.

Students considering a major or minor in the department should consult with the departmental undergraduate adviser as soon as possible in their university career, but in no case later than the point at which they are about to begin taking upper-division courses. Students should select courses to fulfill major or minor requirements in consultation with the undergraduate adviser. The approved list of courses for each category of major or minor requirements is available in the department office (290 Royce Hall) and on its **website**.

Undergraduate Policies

Placement in Language Courses

Students are not placed in Chinese, Filipino, Hindi-Urdu, Indonesian, Japanese, Korean, Thai, and Vietnamese language courses automatically according to their years of previous study. Students with any prior knowledge or study of an Asian language who wish to take courses in that language at UCLA are required to take the appropriate departmental language placement examination (see the **Schedule of Classes** or **department website** for more information). The examination determines which course is most appropriate for the student's current level of proficiency. Students who have obtained college credit for Asian language courses may not repeat those same courses for credit. Prospective majors who place out of the upper-division modern language requirement are expected to substitute an equivalent number of other units to be selected in consultation with the departmental undergraduate adviser.

Language Acquisition Courses

No credit is allowed for completing a less advanced course after successful completion of a more advanced Asian language course with focus on conversation, grammar, and/or composition.

Graduate Study

At the graduate level, the department offers highly selective PhD degree programs that train research scholars for academic careers in various fields of Asian culture, including literature, linguistics, film, religion, and history.

Subject Areas

Asian Languages and Cultures courses are in the following subject areas:

- **Asian**
- **Chinese**
- **Filipino**
- **Hindi-Urdu**
- **Indonesian**
- **Japanese**
- **Korean**
- **South Asian**
- **Southeast Asian**
- **Thai**
- **Vietnamese**

Asian Languages and Cultures Faculty Roster

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Professors

Michael S. Berry, PhD
Torquil Duthie, PhD *(Haruhisa Handa Professor of Shinto Studies)*
George E. Dutton, PhD
Michael D. Emmerich, PhD *(Tadashi Yanai Endowed Professor of Japanese Literature)*
Christopher P. Hanscom, PhD
Stephanie W. Jamison, PhD
Suk-Young Kim, PhD
Namhee Lee, PhD
Seiji M. Lippit, PhD
Thu-hương Nguyễn-võ, PhD
David C. Schaberg, PhD
Shu-mei Shih, PhD *(Irving and Jean Stone Professor)*
Hongyin Tao, PhD

Professors Emeriti

William M. Bodiford, PhD
Robert E. Buswell, Jr., PhD *(Irving and Jean Stone Professor Emeritus)*
John B. Duncan, PhD
Robert C. Epp, PhD
Theodore D. Huters, PhD

Shoichi Iwasaki, PhD
Peter H. Lee, PhD
Hartmut E.F. Scharfe, PhD
Gregory R. Schopen, PhD
Jonathan A. Silk, PhD
Sung-Ock S. Sohn, PhD
Richard E. Strassberg, PhD
Shirleen S. Wong, PhD
Pauline R. Yu, PhD

Associate Professors

Michiko Kaneyasu, PhD
Min Li, PhD
Sung-Deuk Oak, ThD *(Dong Soon Im and Mi Ja Im Endowed Professor of Korean Christianity)*
Oona Paredes, PhD
Satoko Shimazaki, PhD
Sixiang Wang, PhD

Assistant Professors

Stephanie Balkwill, PhD
Huijun Mai, PhD
Hyun Suk Park, PhD
Yinghui Wu, PhD

Senior Lecturer SOE

Gyanam Mahajan, PhD

Senior Lecturers

Yan Shen, MA
Michelle M. Fu Smith, PhD
Asako Hayashi Takakura, EdD
Yu-Wen Yao, MA

Lecturers

Chuc V. Bui, MA
Liancheng Chief, PhD
Jane B. Choi, PhD
Nenita P. Domingo, PhD
Sarfaraz A. Farooque, PhD
Jenjit Gasigitamrong, PhD
Seonkyung Jeon, PhD
Hee Ju, PhD
Jennifer J. Jung-Kim, PhD
Yumiko Kawanishi, PhD
Jae-eun I. Mitsunaga, PhD
Thu-Ba Nguyen-Hoai, PhD
Yoko Nogami, MA
Xiaoxin Sun, BA
Mai Takeuchi, PhD
Juliana Wijaya, PhD
Jae-eun Yoon, MA

Adjunct Assistant Professors

Julia H. Clark, PhD
Nina N. Duthie, PhD

Major

Asian Humanities BA

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Identification of major elements of cultures in Asia, with particular attention to chosen regions of expertise
2. Assessment of the social contours of a given Asian society, and explanation of ways in which dynamics within communities and other social structures shape the course of events
3. Understanding of the role that language and literature play in reflecting and influencing Asian societies, across time and different literary genres
4. Formulation of effective written and oral arguments that address important themes and issues in Asian arts and cultures, in ways that are historically appropriate and relevant to particular contexts
5. Conduct research on Asian languages, literatures, and other cultural elements, making effective and critical use of primary and secondary source materials
6. Appreciation of the central place of religion in Asian cultures, with focus on chosen region of expertise and tradition of focus

Entry to the Major

Transfer Students

Transfer applicants to the Asian Humanities major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Chinese, Japanese, Korean, Filipino/Tagalog, Hindi, Indonesian, Thai, or Vietnamese and either one civilization course on Asia or one introduction to Buddhism course or one introduction to Asian religions course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two course as follows:

Intermediate Sequence of Asian Language

Select one intermediate sequence in one Asian language offered by the department (e.g., courses listed or equivalent):

CHIN 6 - Intermediate Modern Chinese

CHIN 10 - Intermediate Modern Chinese: Intensive

FILIPNO 6 - Intermediate Filipino

HIN-URD 100C - Intermediate Hindi-Urdu

INDO 6 - Intermediate Indonesian

JAPAN 6 - Intermediate Modern Japanese

JAPAN 10 - Intermediate Modern Japanese: Intensive

KOREA 6 - Intermediate Modern Korean

KOREA 10 - Intermediate Modern Korean: Intensive

THAI 6 - Intermediate Thai

VIETMSE 6 - Intermediate Vietnamese

Asian 30, Civilization, Introduction to Religions, or Culture

Select Asian 30, one civilization, introduction to religions, or culture course within the department:

ASIAN 30

ASIAN 30 - Languages and Cultures of Asia

CIVILIZATION

E.g., courses listed here.

- CHIN 50 - Chinese Civilization
- JAPAN 50 - Japanese Civilization
- JAPAN 70 - Images of Japan: Literature and Film
- KOREA 50 - History of Korean Civilization

INTRODUCTION TO RELIGION

E.g., courses listed here.

- ASIAN M60 - Introduction to Buddhism
- ASIAN M60W - Introduction to Buddhism
- ASIAN M61 - Introduction to Zen Buddhism
- CHIN M60 - Introduction to Chinese Religions
- CHIN M60W - Introduction to Chinese Religions
- KOREA M60 - Introduction to Korean Religions
- S ASIAN M60 - Religion in Classical India: Introduction
- SEASIAN M60 - Religious Traditions in Southeast Asia

CULTURE

E.g., courses listed here.

- JAPAN 75 - Anime
- JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan
- KOREA 40 - Korean Wave: Globalization of South Korean Popular Culture
- KOREA 70 - Images of Korea
- KOREA 80 - Introduction to Korean Cinema

The Major

Eleven upper-division courses as follows:

Upper-Division Language Courses

Complete three upper-division language courses in one Asian language offered by the department.

Upper-Division Electives

Complete eight upper-division electives within the department, including at least one course from at least four of the following areas: Asia, China, Japan, Korea, South Asia, or Southeast Asia.

Honors Program

The honors program is a three-term sequence (Asian 198A-198B-198C), taken in addition to requirements for the major, that culminates in the submission of a 40- to 60-page thesis. In most circumstances courses 198A-198B-198C are taken in the senior year (fall, winter, and spring quarters), although students also have the option of taking course 198A in spring quarter of their junior year. Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser.

ASIAN 198A - Honors Research in Asian Languages and Cultures

ASIAN 198B - Honors Research in Asian Languages and Cultures

ASIAN 198C - Honors Research in Asian Languages and Cultures

Policies

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year and, at the time of admission, must have completed at least two upper-division courses in their major. For application forms and more information, contact the departmental undergraduate adviser.

Requirements

Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the

major and an overall GPA of 3.0 or better, and (3) complete Asian 198A-198B-198C.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required for the major and an overall GPA of 3.5 or better, and (3) complete Asian 198A-198B-198C with a grade of A in each course.

Major

Asian Languages and Linguistics BA

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Identification of major linguistic features of Asian languages, with attention to chosen region of expertise
2. Demonstrated working knowledge of one or two Asian languages
3. Demonstrated competency in fieldwork with Asian languages in their natural social and cultural contexts
4. Demonstrated familiarity with current theories of language pedagogy with practical skills in classroom teaching of an Asian language
5. Understanding of the interdependency and dynamic relationship between language, society, culture, and social interaction in the context of Asia languages across time and different modes of communication
6. Conduct research and formulate effective written and oral arguments that address important themes and issues in languages and cultures of Asia

Entry to the Major

Transfer Students

Transfer applicants to the Asian Languages and Linguistics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Chinese, Japanese, Korean, Filipino/Tagalog, Hindi, Indonesian, Thai, or Vietnamese and either one Asian languages and culture course or one civilization course on Asia or one introduction to Buddhism course or one introduction to Asian religions course or one introduction to linguistic analysis course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

Intermediate Sequence of Asian Language

Select one intermediate sequence in one Asian language offered by the department (e.g., courses listed or equivalent):

CHIN 6 - Intermediate Modern Chinese

CHIN 10 - Intermediate Modern Chinese: Intensive

FILIPNO 6 - Intermediate Filipino

HIN-URD 100C - Intermediate Hindi-Urdu

INDO 6 - Intermediate Indonesian

JAPAN 6 - Intermediate Modern Japanese

JAPAN 10 - Intermediate Modern Japanese: Intensive

KOREA 6 - Intermediate Modern Korean

KOREA 10 - Intermediate Modern Korean: Intensive

THAI 6 - Intermediate Thai

VIETMSE 6 - Intermediate Vietnamese

Asian 30, Civilization, Introduction to Religions, or Culture

Select Asian 30 or one civilization, introduction to religions, or culture course within the department:

ASIAN 30

ASIAN 30 - Languages and Cultures of Asia

CIVILIZATION

CHIN 50 - Chinese Civilization

JAPAN 50 - Japanese Civilization

JAPAN 70 - Images of Japan: Literature and Film

KOREA 50 - History of Korean Civilization

SEASIAN 70 - Modern Southeast Asian Literature

INTRODUCTION TO RELIGIONS

ASIAN M60 - Introduction to Buddhism

ASIAN M60W - Introduction to Buddhism

ASIAN M61 - Introduction to Zen Buddhism

CHIN M60 - Introduction to Chinese Religions

CHIN M60W - Introduction to Chinese Religions

KOREA M60 - Introduction to Korean Religions

S ASIAN M60 - Religion in Classical India: Introduction

SEASIAN M60 - Religious Traditions in Southeast Asia

CULTURE

JAPAN 75 - Anime

JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan

KOREA 40 - Korean Wave: Globalization of South Korean Popular Culture

KOREA 70 - Images of Korea

KOREA 80 - Introduction to Korean Cinema

Linguistics 20

Complete the following course:

LING 20 - Introduction to Linguistic Analysis

The Major

Eleven courses, as follows:

Upper-Division Language Courses in Asian Languages

Complete five upper-division language courses in one Asian language offered by the department, or three upper-division language courses in one Asian language offered by the department and two upper-division language courses in a different Asian language offered by the department.

Asian 100 and 104

Complete the following two courses:

ASIAN 100 - Methods in Asian Linguistics

ASIAN 104 - Asian Language Pedagogy

Asian Linguistics

Select two Asian linguistics courses from:

ASIAN CM124 - Teaching and Learning of Heritage Languages

CHIN 103 - Topics in Chinese Language and Culture

CHIN C120 - Introduction to Chinese Linguistics

JAPAN M120 - Introduction to Japanese Linguistics

JAPAN CM122 - Japanese Phonology and Morphology

JAPAN CM123 - Structure of Japanese

JAPAN CM127 - Contrastive Analysis of Japanese and Korean

KOREA CM120 - Structure of Korean

KOREA 124 - Topics in Korean Language and Culture

S ASIAN 170 - Variable Topics in South Asian Linguistics, Languages, and Cultures

Upper-Division Electives

Complete two upper-division electives within the department or from the Linguistics Department.

Honors Program

The honors program is a three-term sequence (Asian 198A-198B-198C), taken in addition to requirements for the major, that culminates in the submission of a 40- to 60-page thesis. In most circumstances courses 198A-198B-198C are taken in the senior year (fall, winter, and spring quarters), although students also have the option of taking course 198A in spring quarter of their junior year. Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser.

ASIAN 198A - Honors Research in Asian Languages and Cultures

ASIAN 198B - Honors Research in Asian Languages and Cultures

ASIAN 198C - Honors Research in Asian Languages and Cultures

Policies

Preparation for the Major Policies

All preparation courses must be completed with a C or better grade. A minimum 2.5 grade-point average is required for both (1) the language and (2) Linguistics 20 and the civilization/religion course.

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year and, at the time of admission, must have completed at least two upper-division courses in their major. For application forms and more information, contact the departmental undergraduate adviser.

Requirements

Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Asian 198A-198B-198C.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required

for the major and an overall GPA of 3.5 or better, and (3) complete Asian 198A-198B-198C with a grade of A in each course.

Major

Asian Religions BA

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Appreciation of the central place of religion in Asian cultures, with focus on chosen region of expertise and tradition of focus
2. Understanding of the crucial role of language and written documents in the development of religious beliefs and practices
3. Clear and effective writing on topics in the field, in a way that is sensitive to the complex dynamics and transformations of religion across Asian cultural boundaries
4. Formulation of research projects using primary and secondary source materials, making effective and critical use of primary and secondary source materials
5. Demonstrated working knowledge of one Asian language at an intermediate level
6. Demonstrated basic exposure to the Buddhist argot of one Asian language

Entry to the Major

Transfer Students

Transfer applicants to the Asian Religions major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Chinese, Japanese, Korean, Filipino/Tagalog, Hindi, Indonesian, Thai, or Vietnamese, or one year of Sanskrit, and one introduction to Buddhism course or one introduction to Asian religions course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses as follows:

Intermediate Sequence of Asian Language

Select one intermediate sequence in one Asian language offered by the department (e.g., courses listed or equivalent):

- CHIN 6 - Intermediate Modern Chinese
- CHIN 10 - Intermediate Modern Chinese: Intensive
- FILIPNO 6 - Intermediate Filipino
- HIN-URD 100C - Intermediate Hindi-Urdu
- INDO 6 - Intermediate Indonesian
- JAPAN 6 - Intermediate Modern Japanese
- JAPAN 10 - Intermediate Modern Japanese: Intensive
- KOREA 6 - Intermediate Modern Korean
- KOREA 10 - Intermediate Modern Korean: Intensive
- THAI 6 - Intermediate Thai
- VIETMSE 6 - Intermediate Vietnamese

Asian 30 or Introduction to Religions Course

Select one course from:

- ASIAN 30 - Languages and Cultures of Asia
- ASIAN M60 - Introduction to Buddhism
- ASIAN M60W - Introduction to Buddhism
- ASIAN M61 - Introduction to Zen Buddhism
- CHIN M60 - Introduction to Chinese Religions

CHIN M60W - Introduction to Chinese Religions

KOREA M60 - Introduction to Korean Religions

S ASIAN M60 - Religion in Classical India: Introduction

SEASIAN M60 - Religious Traditions in Southeast Asia

The Major

Eleven courses as follows:

Upper-Division Language Courses

Complete three upper-division language courses in one Asian language offered by the department.

Upper-Division Asian Religions Courses

Complete six upper-division Asian religions courses within the department, including at least one course each concerning religions in China, Japan, Korea, and either South Asia or Southeast Asia.

Electives

Complete two electives within the department.

Honors Program

The honors program is a three-term sequence (Asian 198A-198B-198C), taken in addition to requirements for the major, that culminates in the submission of a 40- to 60-page thesis. In most circumstances courses 198A-198B-198C are taken in the senior year (fall, winter, and spring quarters), although students also have the option of taking course 198A in spring quarter of their junior year. Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser.

ASIAN 198A - Honors Research in Asian Languages and Cultures

ASIAN 198B - Honors Research in Asian Languages and Cultures

ASIAN 198C - Honors Research in Asian Languages and Cultures

Policies

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year and, at the time of admission, must have completed at least two upper-division courses in their major. For application forms and more information, contact the departmental undergraduate adviser.

Requirements

Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Asian 198A-198B-198C.

Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser. Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

Major

Chinese BA

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Advanced ability to speak, read, and write modern Chinese
2. Demonstrated competence in reading classical Chinese
3. Broad knowledge of Chinese cultural, religious, and/or literary history from early periods to the modern era
4. Demonstrated disciplinary familiarity in analysis of texts, objects, and historical trends
5. Clear and effective writing on topics in Chinese civilization, in ways that draw upon the complex dynamics and cultural transformations across the history of China
6. Formulation of research projects that engage critically and thoughtfully with primary and secondary materials

Entry to the Major

Transfer Students

Transfer applicants to the Chinese major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Chinese and one Chinese civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses as follows:

Intermediate Modern Chinese

Select one course from the following, or complete an equivalent course:

CHIN 6 - Intermediate Modern Chinese

CHIN 6A - Intermediate Modern Chinese for Advanced Students

CHIN 10 - Intermediate Modern Chinese: Intensive

Elective

Select one course from:

ASIAN 30 - Languages and Cultures of Asia

CHIN 50 - Chinese Civilization

CHIN M60 - Introduction to Chinese Religions

CHIN M60W - Introduction to Chinese Religions

CHIN 70 - Introduction to Traditional Chinese Literature

CHIN 70W - Classics of Chinese Literature

The Major

Complete 11 courses as follows:

Chinese Language

Select five language courses from either modern Chinese or from premodern Chinese from the following. At least two language courses must be in the premodern language or texts.

MODERN CHINESE

Select from:

CHIN 100A - Advanced Modern Chinese

CHIN 100B - Advanced Modern Chinese

CHIN 100C - Advanced Modern Chinese

CHIN 100I - Advanced Modern Chinese: Intensive

CHIN 101A - Advanced Readings in Modern Chinese

CHIN 101B - Advanced Readings in Modern Chinese

CHIN 102A - Advanced Chinese for International Business

CHIN C107A - Academic/Professional Chinese

CHIN C120 - Introduction to Chinese Linguistics

CHIN 130A - Readings in Modern Chinese Literature

CHIN 130B - Readings in Modern Chinese Literature

CHIN 135 - Chinese-Language Film and Culture

PREMODERN CHINESE

Select from:

CHIN 110A - Introduction to Classical Chinese

CHIN 110B - Introduction to Classical Chinese

CHIN 110C - Introduction to Classical Chinese

CHIN 140A - Readings in Classical Chinese Literature: Poetry

CHIN 140B - Readings in Classical Chinese Literature: Prose

CHIN 140C - Readings in Classical Chinese Literature: Fiction

CHIN 140D - Readings in Classical Chinese Literature: Philosophical Texts

CHIN 165 - Introduction to Chinese Buddhist Texts

Literature

Select one course from:

CHIN 130A - Readings in Modern Chinese Literature

CHIN 130B - Readings in Modern Chinese Literature

CHIN 131 - World Sinophone Literature: Theories and Texts

CHIN 135 - Chinese-Language Film and Culture

CHIN 140A - Readings in Classical Chinese Literature: Poetry

CHIN 140B - Readings in Classical Chinese Literature: Prose

CHIN 140C - Readings in Classical Chinese Literature: Fiction

CHIN 140D - Readings in Classical Chinese Literature: Philosophical Texts

CHIN C150A - Lyrical Traditions

CHIN C150B - Chinese Literature in Translation: Traditional Narrative and Fiction

CHIN 151 - Chinese Literature in Translation: Modern Literature

CHIN 152 - Topics in Contemporary Chinese Literature and Culture

CHIN M153 - Chinese Immigrant Literature and Film

Elective Courses on China

Select three elective courses on China from the following list or from the Chinese language course groups not used to fulfill another requirement:

CHIN C138 - Travel Writing in Premodern China

CHIN 139 - Gardens in China

CHIN 154 - Introduction to Chinese Cinema

CHIN 155 - Topics in Chinese Cinema

CHIN C156 - Variable Topics in Culture and Society in Taiwan

CHIN CM160 - Chinese Buddhism

CHIN 165 - Introduction to Chinese Buddhist Texts

CHIN 174 - Chinese Strategic Thought

CHIN C175 - Introduction to Chinese Thought

CHIN 176 - Neo-Confucianism

CHIN 180 - Chinese Mythology and Supernatural

CHIN 184 - Crime, Law, and Punishment in Traditional China

CHIN 185 - Food and Love in Chinese Culture

CHIN 186 - Archaeology in China

CHIN 187 - Chinese Etymology and Calligraphy

CHIN 191A - Variable Topics Research Seminars: Classical China

CHIN 191B - Variable Topics Research Seminars: 20th-Century China and Taiwan

Additional Upper-Division Elective Courses within the Department (Outside China).

Complete two additional upper-division elective courses within the department but outside China.

Honors Program

The honors program is a three-term sequence (Asian 198A-198B-198C), taken in addition to requirements for the major, that culminates in the submission of a 40- to 60-page thesis. In most circumstances courses 198A-198B-198C are taken in the senior year (fall, winter, and spring quarters), although students also have the option of taking course 198A in spring quarter of their junior year. Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser. Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

ASIAN 198A - Honors Research in Asian Languages and Cultures

ASIAN 198B - Honors Research in Asian Languages and Cultures

ASIAN 198C - Honors Research in Asian Languages and Cultures

Policies

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year and, at the time of admission, must have completed at least two upper-division courses in their major. For application forms and more information, contact the departmental undergraduate adviser.

Requirements

Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Asian 198A-198B-198C.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required for the major and an overall GPA of 3.5 or better, and (3) complete Asian 198A-198B-198C with a grade of A in each course.

Major

Japanese BA

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Demonstrated advanced written and oral knowledge of the Japanese language
2. Demonstrated broad knowledge of Japanese cultural history from ancient times to the present
3. Demonstrated specific skills and expertise, including research, analysis, and writing, of a specialized topic in the study of Japanese language and culture
4. Ability to identify primary sources in Japanese and analyze them within their historical and cultural context
5. Working knowledge of scholarly discourse on a specialized topic in Japanese culture
6. Conception and execution of research projects that identify and engage with a specialized topic in Japanese culture

Entry to the Major

Transfer Students

Transfer applicants to the Japanese major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Japanese and one Japanese civilization or images of Japan course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses as follows:

Intermediate Modern Japanese

Select one course from the following, or complete an equivalent course:

JAPAN 6 - Intermediate Modern Japanese

JAPAN 10 - Intermediate Modern Japanese: Intensive

Elective

Select one course from:

ASIAN 30 - Languages and Cultures of Asia

JAPAN 50 - Japanese Civilization

JAPAN 70 - Images of Japan: Literature and Film

JAPAN 75 - Anime

JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan

The Major

Eleven courses as follows:

Language Courses in Modern or Premodern Language or Texts

Select five language courses in modern or premodern language or texts selected from the following. Courses 100A, 100B, and 100C, or course 100S may be selected. Courses 101A, 101B, and 101C, or course 101S may be selected.

JAPAN 100A - Advanced Modern Japanese

JAPAN 100B - Advanced Modern Japanese

JAPAN 100C - Advanced Modern Japanese

JAPAN 100R - Third-Year Advanced Reading in Modern Japanese

JAPAN 100S - Advanced Modern Japanese: Intensive

JAPAN 101A - Fourth-Year Japanese: Advanced Reading

JAPAN 101B - Fourth-Year Japanese: Advanced Reading

JAPAN 101C - Fourth-Year Japanese: Advanced Reading

JAPAN 101S - Fourth-Year Japanese: Advanced Reading—Intensive

JAPAN 103A - Fourth-Year Japanese: Advanced Speaking I

JAPAN 103B - Fourth-Year Japanese: Advanced Speaking II

JAPAN 104 - Business Japanese

JAPAN 105A - Advanced Reading and Writing for Japanese-Heritage Speakers

JAPAN 105B - Advanced Reading and Writing for Japanese-Heritage Speakers

JAPAN 110A - Introduction to Classical Japanese: Basic Grammar

JAPAN 110B - Introduction to Classical Japanese: Reading Proficiency

JAPAN M120 - Introduction to Japanese Linguistics

JAPAN CM123 - Structure of Japanese

JAPAN 130A - Readings in Modern Japanese Literature

JAPAN 130B - Readings in Modern Japanese Literature

JAPAN 140A - Readings in Classical Japanese Literature: Heian

JAPAN 140B - Readings in Classical Japanese Literature: Medieval

JAPAN 140C - Readings in Classical Japanese Literature: Edo

JAPAN C149 - Introduction to Kambun and Other Literary Styles

JAPAN 165 - Introduction to Japanese Buddhist Texts

Literature

Select one course from:

JAPAN C150 - Topics in Japanese Literature and Philosophy

JAPAN 151 - Japanese Literature in Translation: Modern

JAPAN 154 - Postwar Japanese Culture through Literature

JAPAN M156 - Literature and Technology

JAPAN 157 - Classical Japanese Drama: Great Tradition

JAPAN C159 - Variable Topics in Culture and Society in Japan

JAPAN 170 - Japanese Tales of Supernatural

JAPAN 172 - Fiction and Plays of Floating World

JAPAN 174 - Classical Japanese Poetry

JAPAN 191A - Variable Topics Research Seminars: Classical Japan

Elective Courses on Japan

Select three elective courses on Japan from the following list or from the language courses in modern or premodern language or texts or literature course lists if not used to fulfill another requirement:

JAPAN C112 - Japanese Urban History and Culture

JAPAN CM122 - Japanese Phonology and Morphology

JAPAN CM123 - Structure of Japanese

JAPAN CM127 - Contrastive Analysis of Japanese and Korean

JAPAN 155 - Topics in Japanese Cinema

JAPAN CM160 - Japanese Buddhism

JAPAN 161 - Religious Life in Modern Japan

JAPAN 165 - Introduction to Japanese Buddhist Texts

JAPAN C171 - Topics in Japanese Studies

JAPAN C182 - Japanese Folklore

JAPAN 191B - Variable Topics Research Seminars: Modern Japan

JAPAN 191C - Variable Topics Research Seminars: Personalities in Japanese Civilization

Additional Upper-Division Elective Courses within the Department (Outside Japan)

Complete two additional upper-division elective courses within the department but outside Japan.

Honors Program

The honors program is a three-term sequence (Asian 198A-198B-198C), taken in addition to requirements for the major, that culminates in the submission of a 40- to 60-page thesis. In most circumstances courses 198A-198B-198C are taken in the senior year (fall, winter, and spring quarters), although students also have the option of taking course 198A in spring quarter of their junior year. Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser.

ASIAN 198A - Honors Research in Asian Languages and Cultures

ASIAN 198B - Honors Research in Asian Languages and Cultures

ASIAN 198C - Honors Research in Asian Languages and Cultures

Policies

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year and, at the time of admission, must have completed at least two upper-division courses in their major. For application forms and more information, contact the departmental undergraduate adviser.

Requirements

Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Asian 198A-198B-198C.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required

for the major and an overall GPA of 3.5 or better, and (3) complete Asian 198A-198B-198C with a grade of A in each course.

Major

Korean BA

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Demonstrated advanced knowledge of written and spoken Korean
2. Broad knowledge of Korean history, literature, thoughts, and religions from the ancient to the modern era
3. Engagement in critical comparisons of historical and other narratives
4. Relation of historical and cultural developments in Korea with other countries in East Asia and beyond
5. Discussion of the scholarly literature about a topic in an area of expertise
6. Analysis of texts, cultural objects, and historical developments based on disciplinary knowledge
7. Conduct research projects using primary and second source materials critically and persuasively

Entry to the Major

Transfer Students

Transfer applicants to the Korean major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Korean and one Korean civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Two courses as follows:

Intermediate Korean Language Courses

Select one course from the following, or complete an equivalent course:

- KOREA 6 - Intermediate Modern Korean
- KOREA 6A - Intermediate Korean for Korean Speakers
- KOREA 10 - Intermediate Modern Korean: Intensive

Elective

Select one course from:

- ASIAN 30 - Languages and Cultures of Asia
- KOREA 40 - Korean Wave: Globalization of South Korean Popular Culture
- KOREA 50 - History of Korean Civilization
- KOREA M60 - Introduction to Korean Religions
- KOREA 70 - Images of Korea
- KOREA 80 - Introduction to Korean Cinema

The Major

Eleven courses as follows:

Korean Language Courses

Select five language courses from the following. Courses 101A, 101B, and 101C, or course 101I may be selected.

KOREA 100A - Advanced Modern Korean

KOREA 100B - Advanced Modern Korean

KOREA 100C - Advanced Modern Korean

KOREA 101A - Advanced Readings in Modern Korean

KOREA 101B - Advanced Readings in Modern Korean

KOREA 101C - Advanced Readings in Modern Korean

KOREA 102A - Advanced Korean Conversation

KOREA 102B - Advanced Korean Conversation

KOREA 102C - Advanced Korean Conversation

KOREA 103A - Readings in Sino-Korean Characters

KOREA 103B - Readings in Sino-Korean Characters

KOREA 103C - Readings in Sino-Korean Characters

KOREA 104A - Korean Writing for Advanced Learners

KOREA 104B - Korean Writing for Advanced Learners

KOREA 104C - Korean Writing for Advanced Learners

KOREA C105A - Reading Korean Academic Texts

KOREA C105B - Reading Korean Academic Texts

KOREA C105C - Reading Korean Academic Texts

KOREA 106A - Superior Korean

KOREA 106B - Superior Korean

KOREA 106C - Superior Korean

KOREA 107A - Professional/Academic Korean

KOREA 107B - Professional/Academic Korean

KOREA 107C - Professional/Academic Korean

KOREA CM120 - Structure of Korean

KOREA 124 - Topics in Korean Language and Culture

KOREA 165 - Introduction to Korean Buddhist Texts

KOREA 176 - Introduction to Korean Confucian Texts

KOREA 178 - Introduction to Modern Korean Historiography

Literature

Select one course from:

KOREA 130A - Readings in Modern Korean Literature

KOREA 130B - Readings in Modern Korean Literature

KOREA C150 - Korean Literature in Translation: Classical

KOREA C151 - Korean Literature in Translation: Modern

Elective Courses on Korea

Select three elective courses on Korea from the following list or from the Korean language or literature course lists if not used to fulfill another requirement:

KOREA CM127 - Contrastive Analysis of Japanese and Korean

KOREA C149 - Readings of Sino-Korean and Korean Sources of Modern Korea

KOREA 154 - Contemporary Korean Culture through Literature and Film

KOREA 155 - Topics in Korean Cinema

KOREA CM160 - Korean Buddhism

KOREA 165 - Introduction to Korean Buddhist Texts

KOREA 172 - Topics in Korean Christianity

KOREA 175 - Intellectual History of Premodern Korea

KOREA C177 - Intellectual History of Modern Korea

KOREA 180A - History of Korea through 1259

KOREA 180B - History of Korea, 1260 through 1876

KOREA 180C - History of Korea since 1876

KOREA 181 - Reading Korean Cultural Landscape

KOREA 182 - 1894 Kabo Reforms: History at Crossroads of Civilizations

KOREA 183 - Korean Folklore

KOREA 184A - Women in History: Premodern Korea

KOREA 184B - Women in History: Modern Korea

KOREA 185 - Education and Society in Korea

KOREA M186 - Korea and Vietnam: Comparative Modern Histories

KOREA 187 - Popular and Folk Religion in Korea

KOREA 191A - Variable Topics Research Seminars: Premodern or Early Modern Korea

KOREA 191B - Variable Topics Research Seminars: Contemporary Korean History

Additional Upper-Division Elective Courses within the Department (Outside Korea)

Complete two additional upper-division elective courses within the department but outside Korea.

Honors Program

The honors program is a three-term sequence (Asian 198A-198B-198C), taken in addition to requirements for the major, that culminates in the submission of a 40- to 60-page thesis. In most circumstances courses 198A-198B-198C are taken in the senior year (fall, winter, and spring quarters), although students also have the option of taking course 198A in spring quarter of their junior year. Students are expected to use an Asian language in their research, with the scope of language work to be determined in consultation with their faculty adviser.

ASIAN 198A - Honors Research in Asian Languages and Cultures

ASIAN 198B - Honors Research in Asian Languages and Cultures

ASIAN 198C - Honors Research in Asian Languages and Cultures

Policies

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year and, at the time of admission, must have completed at least two upper-division courses in their major. For application forms and more information, contact the departmental undergraduate adviser.

Requirements

Highest honors, honors, or no honors are awarded as determined by the faculty thesis director and the departmental honors committee.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Asian 198A-198B-198C.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required for the major and an overall GPA of 3.5 or better, and (3) complete Asian 198A-198B-198C with a grade of A in each course.

Major

Southeast Asian Studies BA

College / School
College of Letters and Science

Department
Asian Languages and Cultures

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

Study Abroad

Early acquisition of Asian language skills aids in the timely completion of major requirements and enriches appreciation of Asian cultures. Students are encouraged, therefore, to complete up to a year of language study in approved programs of study abroad.

Learning Outcomes

1. Appreciation of the region's broader sociocultural and historical patterns
2. Understanding of commonalities of societies and peoples across region
3. Appreciation of distinctive elements, particularly between island and mainland populations
4. Understanding of cultural, historical, and social contours of a particular Southeast Asian country
5. Ability to assess social contours of Southeast Asian societies broadly
6. Understanding of ways in which dynamics within communities and other social structures shape the course of events
7. Understanding and assessment of distinct challenges that have shaped the region's pre-modern historical trajectory
8. Understanding and assessment of complex challenges that face contemporary societies in the region
9. Appreciation of the central place of religion, religious diversity, and religious conflict in Southeast Asian societies
10. Reading and assessment of cultural documents—literature, oral tales, performances—in their respective sociocultural contexts

11. Conduct specialized research on Southeast Asian societies, history, or culture, making effective and critical use of primary and secondary source materials

12. Formulation of effective written and oral arguments that address important themes and issues in Southeast Asian arts and cultures, in ways that are historically appropriate and relevant

Entry to the Major

Transfer Students

Transfer applicants to the Southeast Asian Studies major with 90 or more units must complete as many of the following introductory coursers as possible prior to admission to UCLA: one year of Filipino/Tagalog, Indonesian, Thai, or Vietnamese; and one course in Asian civilization, Asian languages and cultures, introduction to Asian religions, or introduction to Buddhism.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

Intermediate Sequence in One Southeast Asian Language

Select one intermediate sequence in a Southeast Asian language offered by the department (e.g., courses listed or equivalent):

FILIPNO 6 - Intermediate Filipino

INDO 6 - Intermediate Indonesian

THAI 6 - Intermediate Thai

VIETMSE 6 - Intermediate Vietnamese

Southeast Asian Studies 50

Complete the following course:

SEASIAN 50 - Southeast Asian Societies and Cultures

Religion, Literature, or Culture

Select one course within the department (e.g., courses listed):

ASIAN 30 - Languages and Cultures of Asia

SEASIAN M60 - Religious Traditions in Southeast Asia

SEASIAN 70 - Modern Southeast Asian Literature

VIETMSE 40 - War in Vietnamese Popular Culture

The Major

Complete 11 courses as follows:

Upper-Division Southeast Asian Language

Select one upper-division language course in a Southeast Asian language offered by the department from:

INDO 100A - Advanced Indonesian

INDO 100B - Advanced Indonesian

INDO 100C - Advanced Indonesian

THAI 100A - Advanced Thai

THAI 100B - Advanced Thai

THAI 100C - Advanced Thai

VIETMSE 100A - Advanced Vietnamese

VIETMSE 100B - Advanced Vietnamese

VIETMSE 100C - Advanced Vietnamese

Upper-Division Electives on Southeast Asia

Select eight upper-division elective courses on Southeast Asia from:

ANTHRO 116S - Selected Topics in Archaeology of Southeast Asia

ASIA AM 123 - Cultures of/against Empire

ASIA AM 125 - Transpacific Literature and Theory

ASIA AM 133 - Pilipino American Experience

ASIA AM 134 - Vietnamese American Experience

ASIA AM M164 - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

ASIA AM 176 - Making Fiction Work: Imagining Philippines and its Elsewheres

ART HIS 156 - Arts of Southeast Asia

FILIPNO 170 - People, Society, and Culture of Philippines

HIST 176A - History of Southeast Asia to 1815

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST 176C - Philippine History

HIST 176E - Vietnam: Past and Present

HIST 177A - National Histories of Southeast Asia

HIST 177B - Comparative Histories of Southeast Asia

HIST 187M - Variable Topics Historiography Proseminar: Southeast Asia

POL SCI 158 - Southeast Asian Politics

SEASIAN C120 - Ghosts, Spirits, and Witches: Supernatural in Southeast Asia

SEASIAN 130 - Topics in Southeast Asian Literature

SEASIAN 135 - Religion and Society in Southeast Asia

SEASIAN C140 - Zomia: Peoples, Societies, and Cultures of Upland Southeast Asia

SEASIAN C150 - Indigenous Peoples of Southeast Asia

SEASIAN 157 - Gender Issues in Southeast Asia

SEASIAN 160 - Majorities and Minorities in Southeast Asia

SEASIAN 170A - Topics in Southeast Asian Studies

SEASIAN 170B - Topics in Southeast Asian Studies

SEASIAN 170C - Topics in Southeast Asian Studies

VIETMSE CM155 - Topics in Vietnamese Cinema and/or Literature

VIETMSE 180A - Vietnam: History and Civilization to 1858

VIETMSE 180B - Vietnam: History and Civilization, 1858 to Present

Upper-Division Electives on Other Parts of Asia

Complete two upper-division electives on other parts of Asia (China, Japan, Korea, South Asia) within the department or offered by another department (History, Geography, Anthropology, Political Science, Asian American Studies).

Policies

Preparation for the Major Policies

Students must complete the preparation courses with at least a 2.0 grade-point average.

The Major Policies

Students may petition to satisfy (1) with an independent study (course 199) with a faculty member or a course in translation where the student's written work is primarily in the target language.

Minor

Asian Humanities Minor

College / School
College of Letters and Science

Department
Asian Languages and Cultures

Level

Undergraduate

Overview

The Asian Humanities minor is designed to recognize a serious commitment to the study of Asian cultures. Lower-division survey courses in civilizations and religious traditions provide students with a solid foundation in the diverse cultural heritages of Asia. Students may fulfill upper-division requirements from a wide variety of courses in all aspects and historical periods of Asian humanities.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, have completed 45 units at UCLA and all lower-division requirements for the minor, and consult with the departmental undergraduate adviser.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from:

- ASIAN 30 - Languages and Cultures of Asia
- ASIAN M60 - Introduction to Buddhism
- ASIAN M60W - Introduction to Buddhism
- ASIAN M61 - Introduction to Zen Buddhism
- CHIN 50 - Chinese Civilization
- CHIN M60 - Introduction to Chinese Religions
- CHIN M60W - Introduction to Chinese Religions
- JAPAN 50 - Japanese Civilization
- JAPAN 70 - Images of Japan: Literature and Film
- JAPAN 75 - Anime
- JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan
- KOREA 40 - Korean Wave: Globalization of South Korean Popular Culture
- KOREA 50 - History of Korean Civilization

KOREA M60 - Introduction to Korean Religions

KOREA 70 - Images of Korea

KOREA 80 - Introduction to Korean Cinema

S ASIAN M60 - Religion in Classical India: Introduction

SEASIAN M60 - Religious Traditions in Southeast Asia

Required Upper-Division Courses (20 units)

Complete five courses in the department concerning Asian culture (e.g., film, folklore, history, linguistics, literature, mythology, religious studies).

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units must be taken in residence at UCLA.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Asian Languages Minor

College / School
College of Letters and Science

Department
Asian Languages and Cultures

Level
Undergraduate

Overview

The Asian Languages minor is designed to recognize a serious commitment to the study of Asian languages. It is especially suited for students who wish to augment their major program in the College of Letters and Science with mastery of an Asian language. The lower-division survey course in civilization or religious tradition provides students with an essential introduction to the diverse cultural heritages of Asia. In the upper-division languages courses, students gain advanced skills in speaking, aural comprehension, reading, and writing an Asian language.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, have completed 45 units at UCLA and all lower-division requirements for the minor, and consult with the departmental undergraduate adviser.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete two courses as follows:

INTERMEDIATE SEQUENCE OF ASIAN LANGUAGE

Select one intermediate sequence in an Asian language offered by the department (e.g., courses listed or equivalent):

CHIN 6 - Intermediate Modern Chinese

CHIN 10 - Intermediate Modern Chinese: Intensive

FILIPNO 6 - Intermediate Filipino

HIN-URD 100C - Intermediate Hindi-Urdu

INDO 6 - Intermediate Indonesian

JAPAN 6 - Intermediate Modern Japanese

JAPAN 10 - Intermediate Modern Japanese: Intensive

KOREA 6 - Intermediate Modern Korean

KOREA 10 - Intermediate Modern Korean: Intensive

THAI 6 - Intermediate Thai

VIETMSE 6 - Intermediate Vietnamese

ASIAN 30, CIVILIZATION, INTRODUCTION TO RELIGIONS, OR CULTURE

Select Asian 30 or one civilization, introduction to religions, or culture course within the department:

Asian 30

ASIAN 30 - Languages and Cultures of Asia

Civilization

E.g., courses listed here.

CHIN 50 - Chinese Civilization

JAPAN 50 - Japanese Civilization

JAPAN 70 - Images of Japan: Literature and Film

KOREA 50 - History of Korean Civilization

Introduction to Religions

E.g., courses listed here.

ASIAN M60 - Introduction to Buddhism

ASIAN M60W - Introduction to Buddhism

ASIAN M61 - Introduction to Zen Buddhism

CHIN M60 - Introduction to Chinese Religions

CHIN M60W - Introduction to Chinese Religions

KOREA M60 - Introduction to Korean Religions

S ASIAN M60 - Religion in Classical India: Introduction

SEASIAN M60 - Religious Traditions in Southeast Asia

Culture

E.g., courses listed here.

JAPAN 75 - Anime

JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan

KOREA 40 - Korean Wave: Globalization of South Korean Popular Culture

KOREA 70 - Images of Korea

KOREA 80 - Introduction to Korean Cinema

Required Upper-Division Courses (20 units)

Complete five courses as follows: three language courses in one Asian language offered by the department and two electives within the department.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units must be taken in residence at UCLA.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Asian Languages and Cultures MA, CPhil, PhD

College / School

College of Letters and Science

Department

Asian Languages and Cultures

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Teaching Asian Languages MA

College / School
College of Letters and Science

Department
Asian Languages and Cultures

Degree Level
Graduate

Degree Objective
Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Atmospheric and Oceanic Sciences Overview

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College of Letters and Science

7127 Mathematical Sciences
Box 951565
Los Angeles, CA 90095-1565

Atmospheric and Oceanic Sciences
310-825-1217
Department e-mail

Suzanne E. Paulson, PhD, ***Chair***
Marcelo Chamecki, PhD, ***Vice Chair***

The atmospheric and oceanic sciences present a wide variety of problems of compelling scientific interest and increasing social concern. This is exemplified by efforts to improve air quality, depredations caused by severe storms and floods, attempts to control or modify weather phenomena, problems of long-range weather forecasts, climate change, and predictions, and expanding scientific frontiers into our outer atmosphere and atmospheres of other planets.

The Department of Atmospheric and Oceanic Sciences offers a broad curriculum in dynamic and synoptic meteorology, atmospheric physics and chemistry, and upper atmosphere and space physics.

The Bachelor of Science (BA) degree qualifies students for entry-level technical positions or represents valuable background for training in other professions. Master of Science (MS) and Doctor of Philosophy (PhD) degree holders work in universities, research centers, laboratories, and government services and, increasingly, in the rapidly burgeoning private sector.

Course Numbering

Atmospheric and Oceanic Sciences courses are organized by number into the categories shown.

Course Numbers	Category
210–229	Dynamic and Synoptic Meteorology
230–249	Atmospheric Physics and Chemistry
250–269	Upper Atmosphere and Space Physics
270–599	Special Studies

Atmospheric and Oceanic Sciences Faculty Roster

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Professors

Jacob Bortnik, PhD
Marcelo Chamecki, PhD
Gang Chen, PhD
Rong Fu, PhD
Alexander D. Hall, PhD
Jasper F. Kok, PhD
Qinbin Li, PhD
James C. McWilliams, PhD *(Louis B. Slichter Professor of Geophysics and Planetary Physics)*
Jonathan L. Mitchell, PhD
J. David Neelin, PhD
Suzanne E. Paulson, PhD
Ulrike Seibt, PhD
Andrew L. Stewart, PhD
Jochen P. Stutz, PhD
Tina I. Treude, PhD
Aradhna K. Tripati, PhD
Roger M. Wakimoto, PhD
A. Park Williams, PhD
Yongkang Xue, PhD

Professors Emeriti

Robert E. Dickinson, PhD
Robert G. Fovell, PhD
Michael Ghil, PhD
Lawrence R. Lyons, PhD
Carlos R. Mechoso, PhD
Richard P. Turco, PhD

Associate Professor

Daniele Bianchi, PhD

Assistant Professors

Robert A. Eagle, PhD
Karen A. McKinnon, PhD
Pablo E. Saide Peralta, PhD
Roger H. Varney, PhD

Adjunct Professors

Randall R. Friedl, PhD
Yu Gu, PhD
Lawrence W. Harding, Jr., PhD
Hui Su, PhD

Adjunct Assistant Professor

Janine A. Baijnath-Rodino, PhD

Major

Atmospheric and Oceanic Sciences BS

College / School
College of Letters and Science

Department
Atmospheric and Oceanic Sciences

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Learning Outcomes

1. Display mastery of basic principles and tools of science: calculus, physics, chemistry, computer programming, and writing

2. Display fundamental understanding of atmospheric and oceanic sciences

3. Demonstrated analytical and mathematical skills through application of learned concepts and tools to solve theoretical, computational, and empirical problems

4. Ability to apply knowledge to independently identify, analyze, and understand real-world problems and issues

5. Demonstrated effective oral and written communication of results and conclusions of investigative work

Entry to the Major

Transfer Students

Transfer applicants to the Atmospheric and Oceanic Sciences major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one year of calculus, one year of calculus-based physics, and one semester of general chemistry.

Recommended before transfer for timely degree completion: one additional semester of general chemistry and one course in computer programming (preferably in Python).

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Students interested in pursuing graduate studies in atmospheric and oceanic sciences or obtaining employment with the National Weather Service or other government agencies are strongly urged to select the Mathematics 31A through 33B sequence and the Physics 1 sequence.

Atmospheric and Oceanic Sciences

Complete the following two courses:

A&O SCI 51 - Fundamentals of Climate Science

A&O SCI 90 - Introduction to Undergraduate Research in Atmospheric and Oceanic Sciences

Computing

Select one course from the following. Atmospheric and Oceanic Sciences M71 is preferred.

A&O SCI M71 - Introduction to Computing for Geoscientists

COMPTNG 10A - Introduction to Programming

Chemistry and Biochemistry

Select one series from:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

Mathematics

Select one series from:

LIFE SCIENCES 30 SERIES

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

MATHEMATICS 3 SERIES

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATHEMATICS 31, 32, 33 SERIES

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Physics

Select one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 1 HONORS SERIES

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete nine courses as follows:

Atmospheric and Oceanic Sciences

Select four courses from:

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI 107 - Biological Oceanography

A&O SCI 112 - Climate Change Assessment

Additional Atmospheric Sciences Courses

Complete three additional upper-division atmospheric sciences courses in consultation with the undergraduate advisers.

Chemistry, Mathematics, Physics, and Statistics Courses

Select two upper-division courses from a list of chemistry, mathematics, physics, and statistics courses in consultation with the undergraduate advisers.

Policies

The Major Policies

Atmospheric and Oceanic Sciences 199 (independent research) taken for 4 units may be units to satisfy one upper-division elective. Thesis approval required from faculty adviser and submitted to department student affairs officer.

Major

Atmospheric and Oceanic Sciences/Mathematics BS

College / School

College of Letters and Science

Department

Atmospheric and Oceanic Sciences

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Atmospheric and Oceanic Sciences/Mathematics major is a designated capstone major. Students acquire experience in conceiving and executing research projects designed to evaluate hypotheses and complete an individual project or thesis selected with the assistance of the program advisers and faculty mentor. The topic should reflect integrative application of mathematics to atmospheric and oceanic sciences. Students are expected to prepare a significant independent piece of work that applies knowledge gained in their coursework in a new and unique way.

Learning Outcomes

1. Fundamental knowledge of the atmospheric and oceanic sciences, and the mathematical tools that enable research to be conducted
2. Identification of potential research areas of interest
3. Experience in conceiving and executing research projects designed to evaluate hypotheses through courses that stress oral and written presentation of research results
4. Proposition, execution, and evaluation of a research project with the assistance and supervision of a faculty mentor
5. Tangible capstone product, such as a written thesis, that will be archived and possibly disseminated within and beyond the department

Entry to the Major

Transfer Students

Transfer applicants to the Atmospheric and Oceanic Sciences/Mathematics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one and a half years of calculus through multivariable and one year of calculus-based physics.

Recommended before transfer for timely degree completion: linear algebra, differential equations, and one computer programming course (preferably in Python).

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 12 courses as follows:

Atmospheric and Oceanic Sciences

Complete three courses as follows:

ATMOSPHERIC AND OCEANIC SCIENCES M71 OR PROGRAM IN COMPUTING 10A

Select one course from:

- A&O SCI M71 - Introduction to Computing for Geoscientists
- COMPTNG 10A - Introduction to Programming

ATMOSPHERIC AND OCEANIC SCIENCES 90

Complete the following course:

- A&O SCI 90 - Introduction to Undergraduate Research in Atmospheric and Oceanic Sciences

ATMOSPHERIC AND OCEANIC SCIENCES ELECTIVE

Select one course from:

- A&O SCI 1 - Climate Change: From Puzzles to Policy
- A&O SCI 2 - Air Pollution
- A&O SCI 3 - Meteorology and Extreme Weather
- A&O SCI 5 - Climates of Other Worlds
- A&O SCI M7 - Perils of Space: Introduction to Space Weather

A&O SCI 51 - Fundamentals of Climate Science

Mathematics

Complete the following six courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Physics

Complete the following three courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

Chemistry Biochemistry

Chemistry and Biochemistry 14A and 14B (or 20A and 20B) may also be required, depending on atmospheric and oceanic sciences upper-division course selection.

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

The Major

Complete 15 courses as follows:

Mathematics

Complete six mathematics courses as follows:

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATHEMATICS ELECTIVES

Select three courses from the following, one of which must be 115B, 131B, 151B, or 170B:

MATH 115B - Linear Algebra

MATH 131B - Analysis

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

MATH 142 - Mathematical Modeling

MATH 151A - Applied Numerical Methods

MATH 151B - Applied Numerical Methods

MATH 170A - Probability Theory I

MATH 170B - Probability Theory II

Atmospheric and Oceanic Sciences

Complete six upper-division atmospheric and oceanic sciences courses as follows:

CORE

Select two courses from:

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 103 - Physical Oceanography

A&O SCI 112 - Climate Change Assessment

ELECTIVE

Select two courses from:

A&O SCI C110 - Advanced Dynamic and Synoptic Meteorology

A&O SCI C115 - Mesometeorology

A&O SCI M120 - Introduction to Fluid Dynamics

A&O SCI C144 - Atmospheric Boundary Layer

A&O SCI C160 - Remote Sensing of Atmosphere and Oceans

A&O SCI C170 - Introduction to Solar System Plasmas

A&O SCI 180 - Numerical Methods in Atmospheric Sciences

ADDITIONAL ELECTIVES

Complete any two additional upper-division atmospheric and oceanic sciences courses.

Capstone Senior Projects/Thesis

Atmospheric and Oceanic Sciences 199, taken for 4 units, is also required. An individual project or thesis to be selected with the assistance of the program advisers and a faculty mentor must be completed. Thesis approval required from faculty adviser and submitted to department student affairs officer.

A&O SCI 199 - Directed Research in Atmospheric and Oceanic Sciences

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade and must be passed with a grade of C– or better, and students must have a minimum overall grade-point average of 2.0 for the courses.

Major

Climate Science BS

College / School
College of Letters and Science

Department
Atmospheric and Oceanic Sciences

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Learning Outcomes

1. Demonstrated mastery of the basic principles and tools of science

2. Demonstrated fundamental understanding of the atmospheric and oceanic sciences

3. Demonstrated analytical and mathematical skills through the application of learned concepts and tools in solving relevant theoretical, computational, and empirical problems

4. Ability to apply knowledge gained to independently identify, analyze, and understand real-world problems and issues

5. Demonstrated effective oral and written communication of results and conclusions

6. Understanding of the societal and policy context of climate science

Entry to the Major

Transfer Students

Transfer applicants to the Climate Science major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one year of calculus, one semester of calculus-based physics, one general chemistry course, and one introductory statistics course.

Recommended before transfer for timely degree completion: one additional semester of calculus-based physics, and one computer programming course (preferably in Python).

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Students interested in pursuing graduate studies in climate sciences or other branches of science are encouraged to select the Mathematics 31A through 33B sequence and the Physics 1 sequence.

Atmospheric and Oceanic Sciences

Complete two courses as follows:

ATMOSPHERIC AND OCEANIC SCIENCES 51

Complete the following course:

A&O SCI 51 - Fundamentals of Climate Science

COMPUTING

Select one course from:

A&O SCI M71 - Introduction to Computing for Geoscientists

COMPTNG 10A - Introduction to Programming

Chemistry and Biochemistry

Select one series from:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

Mathematics

Select one series from:

LIFE SCIENCES 30 SERIES

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

MATHEMATICS 3 SERIES

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATHEMATICS 31A TO 33B

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 33B - Differential Equations

Physics

Select one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 1 HONORS SERIES

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

Statistics

Select one course from:

STATS 10 - Introduction to Statistical Reasoning

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

The Major

Complete nine courses as follows:

Required Atmospheric and Oceanic Sciences

Complete the following seven courses:

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI C110 - Advanced Dynamic and Synoptic Meteorology

A&O SCI 112 - Climate Change Assessment

A&O SCI 121 - Climate Mitigation Solutions

A&O SCI 123 - Climate Adaptation Solutions

A&O SCI 145 - Atmospheric Physics: Radiation, Clouds, and Aerosols

Policy/Solutions or Quantitative Courses

Complete two upper-division policy/solutions or quantitative courses from a preapproved list.

Policies

The Major Policies

Atmospheric and Oceanic Sciences 199 (independent research) taken for 4 units may be used to satisfy one upper-division elective. Thesis approval required from faculty adviser and submitted to department student affairs officer.

Upper-division electives may also be selected in consultation with the undergraduate advisers.

Students preparing for graduate studies in climate science or other areas should discuss specific requirements with the undergraduate advisers.

Minor

Atmospheric and Oceanic Sciences Minor

College / School

College of Letters and Science

Department

Atmospheric and Oceanic Sciences

Level

Undergraduate

Overview

The Atmospheric and Oceanic Sciences minor provides a formal vehicle for students specializing in other science fields to pursue interests in the atmospheric and oceanic environment. It is designed to be flexible, recognizing that many topics in this field cross traditional disciplinary boundaries.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and must make an appointment with a departmental undergraduate adviser for approval in selecting a coordinated program of courses from within the department and related disciplines. For more information, contact the department at 310-825-1954.

Minor Requirements

The Minor

Complete seven 4-unit courses (28 units) as follows:

Atmospheric and Oceanic Sciences Electives

Select four courses from:

- A&O SCI M100 - Earth and Its Environment
- A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics
- A&O SCI 102 - Climate Change and Climate Modeling
- A&O SCI 103 - Physical Oceanography
- A&O SCI 104 - Fundamentals of Air and Water Pollution
- A&O SCI M105 - Introduction to Chemical Oceanography
- A&O SCI M106 - Applied Climatology: Principles of Climate Impact on Natural Environment
- A&O SCI 107 - Biological Oceanography
- A&O SCI C110 - Advanced Dynamic and Synoptic Meteorology
- A&O SCI C111 - Introduction to Machine Learning for Physical Sciences
- A&O SCI 112 - Climate Change Assessment
- A&O SCI CM114A - Aquatic Geomicrobiology: Metabolisms

A&O SCI C115 - Mesometeorology

A&O SCI M120 - Introduction to Fluid Dynamics

A&O SCI 121 - Climate Mitigation Solutions

A&O SCI 123 - Climate Adaptation Solutions

A&O SCI 130 - California's Ocean

A&O SCI 135 - Ocean Change in the Anthropocene

A&O SCI 141 - Introduction to Atmospheric Chemistry and Air Pollution

A&O SCI C144 - Atmospheric Boundary Layer

A&O SCI 145 - Atmospheric Physics: Radiation, Clouds, and Aerosols

A&O SCI 150 - Atmospheric and Oceanic Sciences Laboratory

A&O SCI C160 - Remote Sensing of Atmosphere and Oceans

A&O SCI C170 - Introduction to Solar System Plasmas

A&O SCI 180 - Numerical Methods in Atmospheric Sciences

A&O SCI 199 - Directed Research in Atmospheric and Oceanic Sciences

Additional Courses

Select three additional courses, two of which must be upper-division, from any of the atmospheric and oceanic sciences electives beyond the minimum four required or from the following. Additionally, other relevant courses from related disciplines may be substituted with prior approval of the department. At least five courses approved for the minor must be upper division. Atmospheric and Oceanic Sciences 186 must be taken twice to satisfy the requirement. Only one course from Ecology and Evolutionary Biology 123A or 123B may be applied.

A&O SCI 1 - Climate Change: From Puzzles to Policy

A&O SCI 2 - Air Pollution

A&O SCI 3 - Meteorology and Extreme Weather

A&O SCI 51 - Fundamentals of Climate Science

A&O SCI 90 - Introduction to Undergraduate Research in Atmospheric and Oceanic Sciences

A&O SCI 186 - Operational Meteorology

CHEM 103 - Environmental Chemistry

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 110B - Topics in Physical Chemistry

CHEM 113A - Physical Chemistry: Introduction to Quantum Mechanics

CHEM C113B - Quantum Chemistry Methods

CHEM 114 - Physical Chemistry Laboratory

EPS SCI 15 - Blue Planet: Introduction to Oceanography

EE BIOL 109 - Introduction to Marine Science

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL 122 - Ecology

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

MATH 115A - Linear Algebra

MATH 115B - Linear Algebra

MATH 132 - Complex Analysis for Applications

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

MATH 146 - Methods of Applied Mathematics

MATH 170A - Probability Theory I

MATH 170B - Probability Theory II

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS 112 - Thermal Physics

PHYSICS M122 - Introduction to Plasma Science and Engineering

PHYSICS 131 - Mathematical Methods of Physics

PHYSICS 132 - Mathematical Methods of Physics

Subareas of Atmospheric Sciences

Groups of courses relevant to specific subareas of atmospheric sciences include:

ATMOSPHERIC CHEMISTRY

A&O SCI 104 - Fundamentals of Air and Water Pollution

CHEM 103 - Environmental Chemistry

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 110B - Topics in Physical Chemistry

CHEM C113B - Quantum Chemistry Methods

CHEM 114 - Physical Chemistry Laboratory

ATMOSPHERIC CHEMISTRY AND BIOLOGY

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 104 - Fundamentals of Air and Water Pollution

EE BIOL 109 - Introduction to Marine Science

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL 122 - Ecology

ATMOSPHERIC DYNAMICS

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 102 - Climate Change and Climate Modeling

PHYSICS 112 - Thermal Physics

PHYSICS 131 - Mathematical Methods of Physics

PHYSICS 132 - Mathematical Methods of Physics

ATMOSPHERIC DYNAMICS AND MATHEMATICAL MODELING

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 180 - Numerical Methods in Atmospheric Sciences

MATH 115A - Linear Algebra

MATH 115B - Linear Algebra

MATH 132 - Complex Analysis for Applications

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

MATH 142 - Mathematical Modeling

MATH 146 - Methods of Applied Mathematics

OCEANOGRAPHY AND BIOLOGY

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

EE BIOL 109 - Introduction to Marine Science

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

UPPER ATMOSPHERE

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI M120 - Introduction to Fluid Dynamics

A&O SCI C170 - Introduction to Solar System Plasmas

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS M122 - Introduction to Plasma Science and Engineering

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

One course may be taken on a Passed/Not Passed basis; each of the other minor courses must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Atmospheric and Oceanic Sciences MS, CPhil, PhD

College / School

College of Letters and Science

Department

Atmospheric and Oceanic Sciences

Degree Level

Graduate

Degree Objective

Master of Science, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Bioengineering Overview

You're now viewing the 2024-25 Catalog

Henry Samueli School of Engineering and Applied Science

5121 Engineering V
Box 951600
Los Angeles, CA 90095-1600

Bioengineering
310-267-4985
Department e-mail

Song Li, PhD, ***Chair***
Dino Di Carlo, PhD, ***Graduate Vice Chair***
Jacob J. Schmidt, PhD, ***Undergraduate Vice Chair***

The faculty members in the Department of Bioengineering have created state-of-the-art facilities for cutting-edge research and developed an innovative curriculum for the education of the next generation of bioengineers.

The bioengineering program offers forward-looking courses dedicated to producing graduates who are well-grounded in the fundamental sciences and highly proficient in rigorous analytical engineering tools necessary for lifelong success in the wide range of possible bioengineering careers. Combined with a strong emphasis on research, the program provides a unique engineering educational experience that responds to the growing needs and demands of bioengineering.

Bioengineering Faculty Roster

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Professors

Denise R. Aberle, MD
Pei-Yu Chiou, PhD
Mark S. Cohen, PhD, *in Residence*
Linda L. Demer, MD, PhD
Timothy J. Deming, PhD
Dino Di Carlo, PhD *(Armond and Elena Hairapetian Professor of Engineering and Medicine)*
Benjamin M. Ellingson, PhD
Elisa Franco, PhD
Tzung K. Hsiai, MD, PhD, *in Residence*
William Hsu, PhD, *in Residence*
Daniel T. Kamei, PhD
Andrea M. Kasko, PhD
H. Pirouz Kavehpour, PhD
Chang-Jin (CJ) Kim, PhD *(Volgenau Endowed Professor of Engineering)*
Debiao Li, PhD, *in Residence*
Song Li, PhD
Wentai Liu, PhD
Arash Naeim, PhD, *in Residence*
Aydogan Ozcan, PhD
Jacob Rosen, PhD
Jacob J. Schmidt, PhD
Vivek Shetty, DDS, DrMedDent
Kalyanam Shivkumar, MD, PhD, *in Residence*
Maie A. St. John, MD, PhD
Yi Tang, PhD *(Ralph M. Parsons Foundation Professor of Chemical Engineering)*

Michael A. Teitell, PhD
Cun-Yu Wang, DDS, PhD *(Dr. No-Hee Park Professor of Dentistry)*
Paul S. Weiss, PhD *(Presidential Professor of Chemistry)*
Gerard C.L. Wong, PhD
Yang Yang, PhD

Professors Emeriti

Chih-Ming Ho, PhD *(Ben Rich Lockheed Martin Professor Emeritus of Aeronautics)*
Bahram Jalali, PhD *(Fang Lu Endowed Professor Emeritus of Engineering)*
Edward R.B. McCabe, MD, PhD *(Mattel Executive Endowed Professor Emeritus of Pediatrics)*
Ren Sun, PhD
Benjamin M. Wu, DDS, PhD

Associate Professors

Corey W. Arnold, PhD, *in Residence*
Jun Chen, PhD
Liang Gao, PhD
Weizhe Hong, PhD
Shantanu H. Joshi, PhD, *in Residence*
Aaron S. Meyer, PhD
Dan Ruan, PhD, *in Residence*
Holden H. Wu, PhD, *in Residence*

Assistant Professors

Tyler R. Clites, PhD
Mireille Kamariza, PhD
Neil Y.C. Lin, PhD
Jaimie M. Stewart, PhD
Jennifer L. Wilson, PhD

Adjunct Professors

Keisuke Goda, PhD
Zhen Gu, PhD
Sophia N. Sangiorgio, PhD
Bill J. Tawil, MBA, PhD

Adjunct Associate Professor

Stephanie K. Seidlits, PhD

Adjunct Assistant Professor

Chase Linsley, PhD

Major

Bioengineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Bioengineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The bioengineering program is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Bioengineering major is a designated capstone major. Utilizing knowledge from previous courses and new skills learned from the capstone courses, undergraduate students work in teams to apply advanced knowledge of mathematics, science, and engineering principles to address problems at the interface of biology and engineering and to develop innovative bioengineering solutions to meet specific sets of design criteria. Coursework entails construction of student designs, project updates, presentation of projects in written and oral format, and team competition.

Learning Outcomes

1. Identification, formulation, and solving of complex engineering problems by applying principles of engineering, science, and mathematics
2. Application of engineering design to produce solutions that meet specified needs with consideration of public health; safety; welfare; and global, cultural, social, environmental, and economic factors
3. Effective communication with a range of audiences
4. Recognition of ethical and professional responsibilities in engineering situations and making of informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. Acquisition and application of new knowledge as needed, using appropriate learning strategies

8. Making measurements on and interpreting data from living systems

9. Address problems associated with the interaction between living and non-living materials and systems

Major Requirements

Preparation for the Major

Complete 20 courses as follows:

Bioengineering

Complete the following course:

BIOENGR 10 - Introduction to Bioengineering

Chemistry

Complete the following six courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

Computer Programming or Computer Science

Select one course from:

C&EE M20 - Introduction to Computer Programming with MATLAB

COM SCI 31 - Introduction to Computer Science I

MECH&AE M20 - Introduction to Computer Programming with MATLAB

Life Sciences

Complete the following two courses. Life Sciences 7A satisfies the school GE life sciences requirement.

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7C - Physiology and Human Biology

Mathematics

Complete the following six courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Physics

Complete the following four courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

The Major

Complete eight required courses, three technical breadth courses (12 units), two capstone courses, and six major field elective courses (24 units) as follows:

Required Courses

Complete the following eight courses:

BIOENGR 100 - Bioengineering Fundamentals

BIOENGR 110 - Biotransport and Bioreaction Processes

BIOENGR 120 - Biomedical Transducers

BIOENGR 122 - Introduction to Medical Imaging

BIOENGR 167L - Bioengineering Laboratory

BIOENGR 175 - Machine Learning and Data-Driven Modeling in Bioengineering

BIOENGR 176 - Principles of Biocompatibility

BIOENGR 180 - System Integration in Biology, Engineering, and Medicine I

Technical Breadth

Complete three technical breadth courses (12 units) selected from an approved list available in the Office of Academic and Student Affairs.

Capstone Design

Complete the following two courses:

BIOENGR 177A - Bioengineering Capstone Design I

BIOENGR 177B - Bioengineering Capstone Design II

Major Field Electives

Select six additional major field elective courses (24 units) from following list. A maximum of 8 units of course 199 may be applied.

BIOENGR C101 - Engineering Principles for Drug Delivery

BIOENGR C102 - Human Physiological Systems for Bioengineering I

BIOENGR C104 - Physical Chemistry of Biomacromolecules

BIOENGR C105 - Engineering of Bioconjugates

BIOENGR C106 - Topics in Bioelectricity for Bioengineers

BIOENGR C107 - Polymer Chemistry for Bioengineers

BIOENGR 121 - Introduction to Microcontrollers

BIOENGR 122 - Introduction to Medical Imaging

BIOENGR C131 - Nanopore Sensing

BIOENGR 132 - Nanogenerators for Bioengineering

BIOENGR C135 - Orthopaedic Biomechanical Engineering

BIOENGR C139A - Biomolecular Materials Science I

BIOENGR C139B - Biomolecular Materials Science II

BIOENGR CM140 - Introduction to Biomechanics

BIOENGR CM145 - Molecular Biotechnology for Engineers

BIOENGR C147 - Applied Tissue Engineering: Clinical and Industrial Perspective

BIOENGR M153 - Introduction to Microscale and Nanoscale Manufacturing

BIOENGR C155 - Fluid-Particle and Fluid-Structure Interactions in Microflows

BIOENGR 170 - Cell Engineering and Laboratory

BIOENGR CM178 - Introduction to Biomaterials

BIOENGR C179 - Biomaterials-Tissue Interactions

BIOENGR 180L - System Integration in Biology, Engineering, and Medicine I Laboratory

BIOENGR M182 - Dynamic Biosystem Modeling and Simulation Methodology

BIOENGR C183 - Targeted Drug Delivery and Controlled Drug Release

BIOENGR C185 - Introduction to Tissue Engineering

BIOENGR CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

BIOENGR CM187 - Research Communication in Computational and Systems Biology

BIOENGR 199 - Directed Research in Bioengineering

Alternative Elective and Technical Breadth

Three of the major field elective courses and the three technical breadth courses may also be selected from one of the following tracks. Bioengineering majors cannot take bioengineering

technical breadth courses to fulfill the technical breadth requirement. For Bioengineering 199 to fulfill a track requirement, the research project must fit within the scope of the track field, and the research report must be approved by the supervisor and vice chair. A maximum of 8 units of course 199 may be applied.

BIOMATERIALS AND REGENERATIVE MEDICINE

The materials science and engineering courses may be used to satisfy the technical breadth requirement.

- BIOENGR C104 - Physical Chemistry of Biomacromolecules
- BIOENGR C105 - Engineering of Bioconjugates
- BIOENGR CM140 - Introduction to Biomechanics
- BIOENGR C147 - Applied Tissue Engineering: Clinical and Industrial Perspective
- BIOENGR C183 - Targeted Drug Delivery and Controlled Drug Release
- BIOENGR C185 - Introduction to Tissue Engineering
- BIOENGR 199 - Directed Research in Bioengineering
- MAT SCI 104 - Science of Engineering Materials
- MAT SCI 110 - Introduction to Materials Characterization A (Crystal Structure, Nanostructures, and X-Ray Scattering)
- MAT SCI C111 - Introduction to Materials Characterization B (Electron Microscopy)
- MAT SCI 120 - Physics of Materials
- MAT SCI 130 - Phase Relations in Solids
- MAT SCI 132 - Structure and Properties of Metallic Alloys
- MAT SCI 143A - Mechanical Behavior of Materials
- MAT SCI 150 - Introduction to Polymers
- MAT SCI 151 - Structure and Properties of Composite Materials
- MAT SCI 160 - Introduction to Ceramics and Glasses
- MAT SCI 161 - Processing of Ceramics and Glasses

BIOMEDICAL DEVICES

The electrical and computer engineering or mechanical and aerospace engineering courses listed may be used to satisfy the technical breadth requirement.

BIOENGR C131 - Nanopore Sensing

BIOENGR M153 - Introduction to Microscale and Nanoscale Manufacturing

BIOENGR 199 - Directed Research in Bioengineering

EC ENGR 102 - Systems and Signals

MECH&AE C187L - Nanoscale Fabrication, Characterization, and Biodetection Laboratory

Policies

The Major Policies

An approved list of technical breadth courses is available in the Office of Academic and Student Affairs.

For information on UC, school, and general education requirements, see the Samueli school section in College and Schools.

Major

Bioengineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Bioengineering

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Overview

The graduate program in bioengineering trains future leaders in the wide range of possible bioengineering careers at the interface of engineering, life sciences, and medical practice. Graduates from the program

are trained to be well-grounded in the fundamental sciences, adept at addressing open-ended problems, and highly proficient in rigorous analytical engineering tools necessary for lifelong success.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Bioinformatics Overview

You're now viewing the 2024-25 Catalog

Interdepartmental Program
College of Letters and Science

168F Boyer Hall
Box 951570
Los Angeles, CA 90095-1570

Bioinformatics
310-825-0068
Program e-mail

Xinshu Grace Xiao, PhD, *Chair*

Bioinformatics is defined broadly as the study of the inherent structure of biological information. It is the marriage of biology and the information sciences. Examples of current bioinformatics research include the analysis of gene and protein sequences to reveal protein evolution and alternative splicing, the development of computational approaches to study and predict protein structure to further understanding of function, the analysis of mass spectrometry data to understand the connection between phosphorylation and cancer, the development of computational methods to utilize expression data to reverse engineer gene networks in order to more completely model cellular biology, and the study of population genetics and its connection to human disease.

Graduates in bioinformatics can expect to engage in any combination of research, teaching, clinical service, and consultation. Within universities and research centers there is a growing need for bioinformatics researchers who can analyze new sources of high-throughput experimental data in biology, medicine, and bioengineering. Biotechnology and pharmaceutical companies also seek bioinformatics graduates for applied research on disease—and drug discovery. Medical centers are also increasingly hiring bioinformatics graduates as genomics data become important in medical research and clinical applications.

Bioinformatics Faculty Committee

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Alex A.T. Bui, PhD *(Radiological Sciences)*
Hillary A. Coller, PhD *(Molecular, Cell, and Developmental Biology)*
Jason Ernst, PhD *(Biological Chemistry, Computational Medicine, Computer Science)*
Eleazar Eskin, PhD *(Computational Medicine, Computer Science, Human Genetics)*
Alexander Hoffmann, PhD *(Microbiology, Immunology, and Molecular Genetics)*
Kirk E. Lohmueller, PhD *(Ecology and Evolutionary Biology, Human Genetics)*
Paivi E. Pajukanta, MD, PhD *(Human Genetics)*
Matteo Pellegrini, PhD *(Human Genetics; Molecular, Cell, and Developmental Biology)*
Xinshu Grace Xiao, PhD *(Integrative Biology and Physiology)*
Xianghong Jasmine Zhou, PhD *(Pathology and Laboratory Medicine)*

Major

Bioinformatics MS, PhD

College / School

College of Letters and Science

Department

Bioinformatics

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Medical Informatics MS, PhD

College / School

College of Letters and Science

Department

Bioinformatics

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Biological Chemistry Overview

You're now viewing the 2024-25 Catalog

David Geffen School of Medicine

310 Biomedical Sciences Research Building
Box 951737
Los Angeles, CA 90095-1737

Biological Chemistry
310-825-4625

Siavash K. Kurdistani, MD, ***Chair***
John J. Colicelli, PhD, ***Vice Chair***
Kathrin Plath, PhD, ***Vice*** **Chair**

Biological chemistry has grown to include studies of cellular, molecular, and developmental biology, molecular genetics and genetic engineering, and many aspects of the health sciences. The research activities of the department include these areas as well as the classic topics of metabolism, enzymology, and biomolecular structure. Courses and seminar programs are designed to provide students with the necessary background and approach to encourage their continuing growth in these rapidly changing areas of science.

Interaction with other graduate programs provides access to scientists in a variety of related disciplines. Through its primary affiliation with the Geffen School of Medicine, the Department of Biological Chemistry is also involved in the basic education of students who will be physicians, dentists, and other health professionals. Many of these students become involved in laboratory research in the department. In part because of this breadth of experience students find careers in many aspects of basic and applied scientific research and education.

Biological Chemistry **faculty information** is available from the department.

Biomedical Research Overview

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Interdisciplinary Minor
College of Letters and Science

220B Hershey Hall
Box 957246
Los Angeles, CA 90095-7246

Biomedical Research
310-825-0237
E-mail contact

Karen M. Lyons, PhD, ***Chair***

The Biomedical Research minor is designed to incorporate research into undergraduate science education at UCLA. Applications may be submitted by any UCLA student who meets the admission requirements and has the potential to satisfy the requirements. Students explore the scientific questions and experimental approaches of biomedical research. Faculty members and staff facilitate early placement of students into laboratories on campus for independent research. Students are trained to analyze research literature, present their research in oral and poster formats, and appreciate the ethical, historical, and philosophical issues facing biomedical research.

Biomedical Research Faculty Committee

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John J. Colicelli, PhD *(Biological Chemistry)*
Hilary A. Coller, PhD (Biological Chemistry; Molecular, Cell, and Developmental Biology)
Stephanie M. Correa, PhD *(Integrative Biology and Physiology)*
Andrew Goldstein, PhD *(Molecular, Cell, and Developmental Biology; Urology)*
Thomas G. Graeber, PhD *(Molecular and Medical Pharmacology)*
Aldons J. Lusis, PhD *(Human Genetics; Medicine–Cardiology, Infectious Diseases; Microbiology, Immunology, and Molecular Genetics)*
Karen M. Lyons, PhD *(Molecular, Cell, and Developmental Biology; Orthopaedic Surgery)*
Megan M. McEvoy, PhD *(Microbiology, Immunology, and Molecular Genetics; Society and Genetics)*
Carlos Portera-Cailliau, PhD *(Neurobiology, Neurology)*
Margot E. Quinlan, PhD *(Chemistry and Biochemistry)*
Felix E. Schweizer, PhD *(Neurobiology)*

Minor

Biomedical Research Minor

College / School
College of Letters and Science

Department
Biomedical Research

Level

Undergraduate

Entry to the Minor

Admission

Admission to the Biomedical Research minor is competitive, and application follows completion of Biomedical Research 5HA, 10H, Honors Collegium 70A, Molecular, Cell, and Developmental Biology 30H, or an approved alternative course. Applications (see the minor website) must be submitted no later than the first term of the junior year. Students must be in good academic standing and demonstrate a genuine

interest in research. All degree requirements, including the specific requirements for this minor, must be fulfilled within the unit maximum set forth by the College of Letters and Science.

Minor Requirements

The Minor

Required Lower-Division Courses (9 units)

Complete the following two courses. An approved alternative course may be substituted for Biomedical Research 5HA.

BMD RES 5HB - Biomedical Research: Essential Skills and Concepts

MCD BIO 60 - Biomedical Ethics

Required Upper-Division Courses (24 units)

Complete seven courses and a senior research thesis as follows:

LABORATORY RESEARCH

Sixteen units (four courses) of approved laboratory research through either course 198 or 199 (or an approved alternative course).

BMD RES 199 - Directed Biomedical Research

HISTORY OF SCIENCE OR PHILOSOPHY OF SCIENCE

Select one course from following list, or complete an approved alternative course:

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST 180A - Topics in History of Science

NEURBIO M169 - History of Neurosciences

PHILOS 124 - Philosophy of Science: Historical

PHILOS 125 - Philosophy of Science: Contemporary

PHILOS 137 - Philosophy of Biology

PHILOS 155A - Medical Ethics

SEMINARS

Complete the following two courses, or the required journal club seminars (such as Chemistry and Biochemistry 193A) for students in the Integrated and Interdisciplinary Undergraduate Research Program, MARC, or UC LEADS:

BMD RES 193H - Journal Club Seminars: Current Topics in Biomedical Research

BMD RES 194H - Research Group Seminars: Data Presentation in Biomedical Research

SENIOR RESEARCH THESIS

Students are expected to file a senior research thesis after completion of their 16 research units and must participate in at least one conference in which they present their research. Up to 8 units of research may be applied toward departmental requirements for the major. The research project and thesis may be the same as those for departmental honors.

Policies

The Minor Policies

Transfer credit for any required course is subject to approval. Students with a grade of less than B (3.0) in any minor course or a cumulative grade-point average of less than 3.0 are subject to dismissal from the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

Biostatistics Overview

You're now viewing the 2024-25 Catalog

Jonathan and Karin Fielding School of Public Health

51-254 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Biostatistics
310-825-5250
Department e-mail

Damla Senturk, PhD, ***Chair***
Catherine M. Crespi, PhD, ***Vice Chair***

In recent years biostatistics has become one of the most stimulating areas of applied statistics. The field encompasses the methodology and theory of statistics as applied to problems in the life and health sciences. Biostatisticians are trained in the skilled application of statistical methods to the solution of problems encountered in public health and medicine. They collaborate with scientists in nearly every area related to health and have made major contributions to our understanding of AIDS, cancer, genetics, bioinformatics, and immunology, as well as other areas. Further, biostatisticians spend a considerable amount of time developing and evaluating the statistical methodology used in those projects. The Department of Biostatistics offers Master of Science (MS) and Doctor of Philosophy (PhD) degrees in Biostatistics and, through the Fielding School of Public Health, the Biostatistics MPH (see **Public Health schoolwide programs**). All students receive a balanced education, blending theory and practice.

A degree in biostatistics prepares students for work in a wide variety of challenging positions in government, industry, and education. Graduates have found careers involving teaching, research, and consulting in such fields as medicine, public health, life sciences, and survey research. There has always been a strong demand for well-trained biostatisticians; graduates have had little difficulty finding employment well suited to their particular interests.

Biostatistics Faculty Roster

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Professors

Sudipto Banerjee, PhD
Thomas R. Belin, PhD
Ronald S. Brookmeyer, PhD
Catherine M. Crespi, PhD, *in Residence*
Michele Guindani, PhD
Grace H.J. Kim, PhD, *in Residence*
Gang Li, PhD
Jingyi Jessica Li, PhD
Honghu Liu, PhD
Christina M. Ramirez, PhD
Damla Senturk, PhD
Marc A. Suchard, PhD
Catherine A. Sugar, PhD, *in Residence*
Donatello Telesca, PhD
Robert E. Weiss, PhD
Weng Kee Wong, PhD
Hua Zhou, PhD
Jin Zhou, PhD

Professors Emeriti

Abdelmonem A. Afifi, PhD
William G. Cumberland, PhD
Dorota M. Dabrowska, PhD

Assistant Professors

Hilary J. Aralis, PhD, *in Residence*
Brunilda Balliu, PhD
Xuaiwu Dai, PhD
Sean A. Darling-Hammond, PhD
Andrew J. Holbrook, PhD

Adjunct Professors

David Elashoff, PhD
Martin L. Lee, PhD
Jason Hall Moore, PhD

Adjunct Assistant Professor

Zhe Fei, PhD

Major

Biostatistics MS, PhD

College / School

Jonathan and Karin Fielding School of Public Health

Department

Biostatistics

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Data Science in Health

College / School

Jonathan and Karin Fielding School of Public Health

Department

Biostatistics

Degree Level

Graduate

Degree Objective

Master of Data Science in Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Brain and Behavioral Health Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
College of Letters and Science

B7-357 Semel Institute
Box 951759
Los Angeles, CA 90095-1759

Brain and Behavioral Health
310-825-8514
E-mail contact

Andrew J. Fuligni, PhD, ***Chair***

Issues of brain and behavioral health have become central to the understanding of human development, well-being, and productivity. Sometimes called translational science, the focus on evidence-based prevention and treatment programs at multiple levels—individual, family, school, community—has become a primary focus of the behavioral health fields. Key features of the approach include an understanding of the basic science of the brain and behavioral issues at hand, their interaction with contextual factors, the development of programs and policies derived directly from that science, and the rigorous evaluation of those programs and policies.

Brain and Behavioral Health Faculty Committee

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Robert M. Bilder, PhD *(Psychiatry and Biobehavioral Sciences, Psychology)*
Christopher J. Evans, PhD *(Psychiatry and Biobehavioral Sciences, Psychology)*
Andrew J. Fuligni, PhD *(Psychiatry and Biobehavioral Sciences, Psychology)*
Adriana Galván, PhD *(Psychiatry and Biobehavioral Sciences, Psychology)*
Andrew J. Fuligni, PhD *(Psychiatry and Biobehavioral Sciences, Psychology)*
Christina G. Palmer, PhD *(Human Genetics, Psychiatry and Biobehavioral Sciences, Society and Genetics)*
Tara S. Peris, PhD *(Psychiatry and Biobehavioral Sciences)*

Minor

Brain and Behavioral Health Minor

College / School
College of Letters and Science

Department
Brain and Behavioral Health

Level

Undergraduate

Overview

The minor offers students the opportunity to learn about how to apply scientific advances to the promotion of brain and behavioral health across the lifespan. The Brain and Behavioral Health minor is intended to supplement the education of undergraduate students enrolled in the Cognitive Science, Human Biology and Society, Neuroscience, Psychobiology, and Psychology majors. As a minor, the program is able to take advantage of the core knowledge gained by students from their majors and focus on how to use that knowledge to develop programs and policies focusing on brain and behavioral health. The program offers students depth in a topic (e.g., autism, dementia) that is required when trying to solve a pressing problem.

For more information, see the minor website.

Entry to the Minor

Admission

To enter the minor students must have an overall grade-point average of 2.7 or better, have completed Psychiatry 79, and submit an application demonstrating interest in the application of science to improving brain and behavioral health by the end of week 3 of the fall quarter of the student's third year.

Minor Requirements

The Minor

Complete seven courses as follows:

Required Lower-Division Courses (5 units)

Complete the following course:

PSYCTRY 79 - Applied Positive Neuroscience: Skills for Improving Productivity and Well-Being

Required Upper-Division Courses (24 units)

Complete six courses as follows:

PSYCHIATRY 174 OR 176

Select one course from:

PSYCTRY 174 - Brain and Behavioral Health: Childhood and Adolescence

PSYCTRY 176 - Brain and Behavioral Health: Adulthood and Aging

UPPER-DIVISION ELECTIVES

Select three courses from the following list. Psychiatry 174 or 176, whichever course was not applied as the required course, may be applied as an elective.

NEUROSC CM123 - Neurobiology of Sleep

NEUROSC C177 - Drugs of Abuse: Translational Neurobiology

NEUROSC M187 - Neurobiology of Bias and Discrimination

NEUROSC 192CX - Drug Abuse and Society: Conveying Concepts to High School Students

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PSYCTRY 174 - Brain and Behavioral Health: Childhood and Adolescence

PSYCTRY 175 - Mindfulness Practice and Theory

PSYCTRY 176 - Brain and Behavioral Health: Adulthood and Aging

PSYCTRY M182 - Personal Brain Management

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 127B - Clinical Psychological Science: Biological Bases

PSYCH 129C - Culture and Mental Health

PSYCH 152 - Mind-Body Interactions and Health

PSYCH 161 - Behavior and Brain Development

PSYCH 164 - Puberty and Sleep

SOC GEN 102 - Societal and Medical Issues in Human Genetics

SOC GEN 141 - Nature versus Nurture: Genes and Environment

SOC GEN M144 - Stress and Society: Biology and Inequality

CAPSTONE

Complete the following two courses:

PSYCTRY 177A - Brain and Behavioral Health Clinical Practicum

PSYCTRY 177B - Brain and Behavioral Health Clinical Practicum

Policies

The Minor Policies

Each course must be completed with a grade of C or better.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

Chemical and Biomolecular Engineering Overview

You're now viewing the 2024-25 Catalog

Henry Samueli School of Engineering and Applied Science

5531 Boelter Hall
Box 951592
Los Angeles, CA 90095-1592

Chemical and Biomolecular Engineering
310-825-2046
Department e-mail

Panagiotis D. Christofides, PhD, ***Chair***
Philippe Sautet, PhD, ***Vice Chair***
Dante A. Simonetti, PhD, ***Vice Chair***

The Department of Chemical and Biomolecular Engineering conducts undergraduate and graduate programs of teaching and research that focus on the areas of biomolecular engineering, systems engineering, and advanced materials processing and span the general themes of energy/environment and nanoengineering. Aside from the fundamentals of chemical engineering (thermodynamics, transport phenomena, kinetics, reactor engineering and separations), particular emphasis is given to air pollution, biomaterials, bionanotechnology, chemical vapor deposition, environmental modeling, membrane science, metabolic engineering, molecular simulation, plasma processing, pollution prevention, polymer engineering, process systems engineering, protein engineering, semiconductor processing, and synthetic biology.

Students are trained in the fundamental principles of these fields while acquiring sensitivity to society's needs—a crucial combination needed to address the challenge of continued industrial growth and

innovation in an era of economic, environmental, and energy constraints.

The undergraduate curriculum leads to a Bachelor of Science (BS) in Chemical Engineering and includes the standard core curriculum, as well as biomedical engineering, biomolecular engineering, environmental engineering, and semiconductor manufacturing engineering options. The department also offers graduate courses and research leading to Master of Science (MS) and Doctor of Philosophy (PhD) degrees. Both graduate and undergraduate programs closely relate teaching and research to important industrial problems.

Chemical and Biomolecular Engineering Faculty Roster

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Professors

Jane P. Chang, PhD *(William Frederick Seyer Professor of Materials Electrochemistry)*
Irene A. Chen, MD, PhD
Yvonne Y. Chen, PhD
Panagiotis D. Christofides, PhD *(William D. Van Vorst Professor of Chemical Engineering Education)*
James F. Davis, PhD
Vasilios I. Manousiouthakis, PhD
Harold G. Monbouquette, PhD
Stanley J. Osher, PhD
Philippe Sautet, PhD *(Levi James Knight, Jr. Term Professor of Excellence)*
Yi Tang, PhD *(Ralph M. Parsons Foundation Professor of Chemical Engineering)*

Professors Emeriti

Yoram Cohen, PhD
Vijay K. Dhir, PhD
Robert F. Hicks, PhD
Eldon L. Knuth, PhD
James C. Liao, PhD
Yunfeng Lu, PhD
Selim M. Senkan, PhD

Vincent L. Vilker, PhD

A.R. Frank Wazzan, PhD, *Dean Emeritus*

Associate Professors

Nasim Annabi, PhD

Dante A. Simonetti, PhD

Samanvaya Srivastava, PhD

Assistant Professors

Steven A. Chavez, PhD

Carissa N. Eisler, PhD

Yuzhang Li, PhD

Carlos G. Morales-Guio, PhD

Junyoung O. Park, PhD

Joseph D. Peterson, PhD

Thaiesha A. Wright, PhD

Major

Chemical Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Chemical and Biomolecular Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Chemical Engineering curricula offer a high-quality, professionally oriented education in modern chemical engineering. The biomedical engineering, biomolecular engineering, environmental engineering, and semiconductor manufacturing engineering options provide students with an opportunity for exposure

to a subfield of chemical and biomolecular engineering. In all cases, balance is sought between engineering science and practice.

The chemical engineering program is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Chemical Engineering major is a designated capstone major. The capstone project requires students to first work individually and learn how to integrate chemical engineering fundamentals taught in prior required courses; they then work in groups to produce a paper design of a realistic chemical process using appropriate software tools. Graduates should be able to design a chemical or biological system, component, or process that meets technical and economical design objectives, with consideration of environmental, social, and ethical issues, as well as sustainable development goals. In addition, they should be able to apply their knowledge of mathematics, physics, chemistry, biology, and chemical and biological engineering to analysis and design of chemical and biochemical processes and products; function on multidisciplinary teams; identify, formulate, and solve complex chemical and biological engineering problems; and communicate effectively, both orally and in writing.

Learning Outcomes

1. Application of knowledge of mathematics, physics, chemistry, biology, and chemical and biological engineering, especially to integration of molecular- to micro-scale information into macro-scale analysis and design of chemical and biochemical processes and products
2. Design of a chemical or biological system, component, or process that meets technical and economical design objectives with consideration of environmental, social, and ethical issues, as well as sustainable development goals
3. Identification, formulation, and solution of complex chemical and biological engineering problems
4. Function as a productive member of a multidisciplinary team

5. Effective oral and written communication

Major Requirements

Chemical Engineering Core Option

Preparation for the Major

Complete 18 courses as follows. Students may select either Civil Engineering M20 or Mechanical and Aerospace Engineering M20.

CH ENGR 10 - Introduction to Chemical and Biomolecular Engineering

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

C&EE M20 - Introduction to Computer Programming with MATLAB

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MECH&AE M20 - Introduction to Computer Programming with MATLAB

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

The Major

Complete 13 required courses, three technical breadth courses (12 units), two capstone design courses, and two chemical engineering elective courses (8 units) as follows:

CH ENGR 45 - Biomolecular Engineering Fundamentals

CH ENGR 100 - Fundamentals of Chemical and Biomolecular Engineering

CH ENGR 101A - Transport Phenomena I

CH ENGR 101B - Transport Phenomena II: Heat Transfer

CH ENGR 101C - Mass Transfer

CH ENGR 102A - Thermodynamics I

CH ENGR 102B - Thermodynamics II

CH ENGR 103 - Separation Processes

CH ENGR 104A - Chemical and Biomolecular Engineering Laboratory I

CH ENGR 104B - Chemical and Biomolecular Engineering Laboratory II

CH ENGR 106 - Chemical Reaction Engineering

CH ENGR 107 - Process Dynamics and Control

CH ENGR 109 - Numerical and Mathematical Methods in Chemical and Biological Engineering

TECHNICAL BREADTH

Select three courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE ANALYSIS AND DESIGN

Complete both of the following courses:

CH ENGR 108A - Process Economics and Analysis

CH ENGR 108B - Chemical Process Computer-Aided Design and Analysis

CHEMICAL ENGINEERING ELECTIVES

Select two elective courses (8 units) from:

CH ENGR 110 - Intermediate Engineering Thermodynamics

CH ENGR C111 - Cryogenics and Low-Temperature Processes

CH ENGR C112 - Polymer Processes

CH ENGR 113 - Air Pollution Engineering

CH ENGR CM114 - Electrochemical Processes

CH ENGR C115 - Biochemical Reaction Engineering

CH ENGR C116 - Surface and Interface Engineering

CH ENGR C118 - Multimedia Environmental Assessment

CH ENGR C119 - Pollution Prevention for Chemical Processes

CH ENGR C121 - Membrane Science and Technology

CH ENGR C125 - Bioseparations and Bioprocess Engineering

CH ENGR C128 - Hydrogen

CH ENGR C135 - Advanced Process Control

CH ENGR C140 - Fundamentals of Aerosol Technology

Biomedical Engineering Option

Preparation for the Major

Complete 18 courses as follows. Students may select either Civil Engineering M20 or Mechanical and Aerospace Engineering M20.

CH ENGR 10 - Introduction to Chemical and Biomolecular Engineering

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

C&EE M20 - Introduction to Computer Programming with MATLAB

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MECH&AE M20 - Introduction to Computer Programming with MATLAB

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

The Major

Complete 14 required courses, 12 units of technical breadth, two capstone design courses, and 4 units of biomedical electives as follows:

CH ENGR 45 - Biomolecular Engineering Fundamentals

CH ENGR 100 - Fundamentals of Chemical and Biomolecular Engineering

CH ENGR 101A - Transport Phenomena I

CH ENGR 101B - Transport Phenomena II: Heat Transfer

CH ENGR 101C - Mass Transfer

CH ENGR 102A - Thermodynamics I

CH ENGR 102B - Thermodynamics II

CH ENGR 103 - Separation Processes

CH ENGR 104A - Chemical and Biomolecular Engineering Laboratory I

CH ENGR 104B - Chemical and Biomolecular Engineering Laboratory II

CH ENGR 106 - Chemical Reaction Engineering

CH ENGR 107 - Process Dynamics and Control

CH ENGR 109 - Numerical and Mathematical Methods in Chemical and Biological Engineering

CH ENGR CM145 - Molecular Biotechnology for Engineers

TECHNICAL BREADTH

Select three courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE ANALYSIS AND DESIGN

Complete both of the following courses:

CH ENGR 108A - Process Economics and Analysis

CH ENGR 108B - Chemical Process Computer-Aided Design and Analysis

BIOMEDICAL ELECTIVE

Select one biomedical elective course (4 units) from the following. Another chemical engineering elective may be substituted with approval of the faculty adviser.

BIOENGR C105 - Engineering of Bioconjugates

BIOENGR C183 - Targeted Drug Delivery and Controlled Drug Release

CH ENGR C112 - Polymer Processes

CHEM C105 - Introduction to Chemistry of Biology

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM C159 - Mechanisms of Gene Regulation

Biomolecular Engineering Option

Preparation for the Major

Complete 18 courses as follows. Students may select either Civil Engineering M20 or Mechanical and Aerospace Engineering M20.

CH ENGR 10 - Introduction to Chemical and Biomolecular Engineering

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

C&EE M20 - Introduction to Computer Programming with MATLAB

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MECH&AE M20 - Introduction to Computer Programming with MATLAB

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

The Major

Complete 14 required courses, 12 units of technical breadth, two capstone design courses, and 4 units of biomolecular electives as follows:

CH ENGR 45 - Biomolecular Engineering Fundamentals

CH ENGR 100 - Fundamentals of Chemical and Biomolecular Engineering

CH ENGR 101A - Transport Phenomena I

CH ENGR 101B - Transport Phenomena II: Heat Transfer

CH ENGR 101C - Mass Transfer

CH ENGR 102A - Thermodynamics I

CH ENGR 102B - Thermodynamics II

CH ENGR 104A - Chemical and Biomolecular Engineering Laboratory I

CH ENGR 104D - Molecular Biotechnology Laboratory: From Gene to Product

CH ENGR 107 - Process Dynamics and Control

CH ENGR 109 - Numerical and Mathematical Methods in Chemical and Biological Engineering

CH ENGR C115 - Biochemical Reaction Engineering

CH ENGR C125 - Bioseparations and Bioprocess Engineering

CH ENGR CM145 - Molecular Biotechnology for Engineers

TECHNICAL BREADTH

Select three courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE ANALYSIS AND DESIGN

Complete the following two courses:

CH ENGR 108A - Process Economics and Analysis

CH ENGR 108B - Chemical Process Computer-Aided Design and Analysis

BIOMOLECULAR ELECTIVE

Select one biomolecular elective course (4 units) from the following. Another chemical engineering elective may be substituted with approval of the faculty adviser.

BIOENGR C105 - Engineering of Bioconjugates

BIOENGR C183 - Targeted Drug Delivery and Controlled Drug Release

CH ENGR C112 - Polymer Processes

CHEM C105 - Introduction to Chemistry of Biology

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM C159 - Mechanisms of Gene Regulation

Environmental Engineering Option

Preparation for the Major

Complete 18 courses as follows. Students may select either Civil Engineering M20 or Mechanical and Aerospace Engineering M20.

CH ENGR 10 - Introduction to Chemical and Biomolecular Engineering

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

C&EE M20 - Introduction to Computer Programming with MATLAB

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MECH&AE M20 - Introduction to Computer Programming with MATLAB

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

The Major

Complete 13 required courses, 12 units of technical breadth, two capstone design courses, and 8 units of electives.

CH ENGR 45 - Biomolecular Engineering Fundamentals

CH ENGR 100 - Fundamentals of Chemical and Biomolecular Engineering

CH ENGR 101A - Transport Phenomena I

CH ENGR 101B - Transport Phenomena II: Heat Transfer

CH ENGR 101C - Mass Transfer

CH ENGR 102A - Thermodynamics I

CH ENGR 102B - Thermodynamics II

CH ENGR 103 - Separation Processes

CH ENGR 104A - Chemical and Biomolecular Engineering Laboratory I

CH ENGR 104B - Chemical and Biomolecular Engineering Laboratory II

CH ENGR 106 - Chemical Reaction Engineering

CH ENGR 107 - Process Dynamics and Control

CH ENGR 109 - Numerical and Mathematical Methods in Chemical and Biological Engineering

TECHNICAL BREADTH

Select three courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE ANALYSIS AND DESIGN

Complete the following two courses:

CH ENGR 108A - Process Economics and Analysis

CH ENGR 108B - Chemical Process Computer-Aided Design and Analysis

ELECTIVES

Select two elective courses (8 units) from the following. Another chemical engineering elective may be substituted with approval of the faculty adviser.

CH ENGR 113 - Air Pollution Engineering

CH ENGR C118 - Multimedia Environmental Assessment

CH ENGR C119 - Pollution Prevention for Chemical Processes

CH ENGR C121 - Membrane Science and Technology

CH ENGR C128 - Hydrogen

CH ENGR C135 - Advanced Process Control

CH ENGR C140 - Fundamentals of Aerosol Technology

Semiconductor Manufacturing Engineering Option

Preparation for the Major

Complete the following 18 courses.

CH ENGR 10 - Introduction to Chemical and Biomolecular Engineering

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

C&EE M20 - Introduction to Computer Programming with MATLAB

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MECH&AE M20 - Introduction to Computer Programming with MATLAB

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

The Major

Complete 15 required courses, 12 units of technical breadth, two capstone design courses, and 8 units of electives as follows:

CH ENGR 45 - Biomolecular Engineering Fundamentals

CH ENGR 100 - Fundamentals of Chemical and Biomolecular Engineering

CH ENGR 101A - Transport Phenomena I

CH ENGR 101B - Transport Phenomena II: Heat Transfer

CH ENGR 101C - Mass Transfer

CH ENGR 102A - Thermodynamics I

CH ENGR 102B - Thermodynamics II

CH ENGR 103 - Separation Processes

CH ENGR 104A - Chemical and Biomolecular Engineering Laboratory I

CH ENGR 104C - Semiconductor Processing

CH ENGR 104CL - Semiconductor Processing Laboratory

CH ENGR 106 - Chemical Reaction Engineering

CH ENGR 107 - Process Dynamics and Control

CH ENGR 109 - Numerical and Mathematical Methods in Chemical and Biological Engineering

CH ENGR C116 - Surface and Interface Engineering

TECHNICAL BREADTH

Select three courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE ANALYSIS AND DESIGN

Complete the following two courses:

CH ENGR 108A - Process Economics and Analysis

CH ENGR 108B - Chemical Process Computer-Aided Design and Analysis

ELECTIVE

Select one elective course (4 units) from chemical engineering or from the following list:

MAT SCI 104 - Science of Engineering Materials

MAT SCI 120 - Physics of Materials

MAT SCI 121 - Materials Science of Semiconductors

MAT SCI 122 - Principles of Electronic Materials Processing

MAT SCI 150 - Introduction to Polymers

Policies

The Major Policies

An approved list of technical breadth courses is available in the Office of Academic and Student Affairs.

For information on UC, school, and general education requirements, see the Samueli school section in College and Schools.

Major

Chemical Engineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Chemical and Biomolecular Engineering

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Chemistry and Biochemistry Overview

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College of Letters and Science

3010 Young Hall
Box 951569
Los Angeles, CA 90095-1569

Chemistry and Biochemistry
310-825-4219
Department e-mail

Alexander M. Spokoyny, PhD, *Chair*

Chemistry is concerned with the composition, structure, and properties of substances, the transformations of these substances into others by reactions, and the kinds of energy changes that accompany these reactions. The Department of Chemistry and Biochemistry is organized in four interrelated and overlapping subdisciplines that deal primarily with the chemistry of inorganic substances (inorganic chemistry), the chemistry of carbon compounds (organic chemistry), the chemistry of living systems (biochemistry), and the physical behavior of substances in relation to their structures and chemical properties (physical chemistry). The Chemistry/Materials Science major is designed for students who are interested in the applications of chemistry for the design, synthesis, and study of new materials.

Undergraduate Study

The department offers four majors: Chemistry (with concentrations in chemistry and physical chemistry), Biochemistry, General Chemistry, and Chemistry/Materials Science. The Chemistry and Biochemistry

majors are designed to prepare students for graduate studies in each field, for entry into professional schools in the health sciences, and for careers in industries and businesses that depend on chemically and biochemically based technology. The General Chemistry major is intended for students who wish to acquire considerable chemical background in preparation for careers outside chemistry. The Chemistry/Materials Science major provides appropriate preparation for graduate studies in fields that emphasize research involving chemistry, engineering, and applied science.

Each course used to fulfill any of the requirements for any of the departmental majors must be taken for a letter grade. Seminar courses, individual study courses, and research courses (e.g., 194, 199) may not be applied toward the requirements for the majors.

Requirements for the majors are outlined below. For additional information, contact the **Undergraduate Office** in 4006 Young Hall.

Undergraduate Policies

Advanced Placement in Chemistry

Students who have taken the Advanced Placement (AP) Chemistry Examination and obtained a score of 4 or 5 receive 8 units of chemistry credit and may petition for chemistry and biochemistry equivalency, or may take course 20A at UCLA. If students received a score of 3 on the AP Chemistry Examination, they receive 8 units of chemistry credit but no course equivalency.

Credit Limitations

Students may not take or repeat a chemistry or biochemistry course for credit if it is a requisite for a more advanced course for which they already have credit. This applies in particular to the repetition of courses (e.g., if students wish to repeat Chemistry and Biochemistry 20A, they must do so before completing course 20B).

Chemistry and Biochemistry Faculty Roster

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Professors

Anastassia N. Alexandrova, PhD
Anne M. Andrews, PhD, *in Residence*
Keriann M. Backus, PhD
David B. Bensimon, PhD
Guillaume F. Chanfreau, PhD
Irene A. Chen, PhD
Catherine F. Clarke, PhD
Steven G. Clarke, PhD
Robert T. Clubb, PhD
Stuart J. Conway, PhD
Timothy J. Deming, PhD
Paula L. Diaconescu, PhD
Abigail G. Doyle, PhD *(Saul Winstein Professor of Organic Chemistry)*
Xiangfeng Duan, PhD
David S. Eisenberg, DPhil *(Paul D. Boyer Professor of Molecular Biology and Biochemistry)*
Juli F. Feigon, PhD
Miguel A. García-Garibay, PhD
Neil K. Garg, PhD *(Kenneth N. Trueblood Endowed Professor of Chemistry and Biochemistry)*
William M. Gelbart, PhD
James K. Gimzewski, PhD
Patrick G. Harran, PhD *(D.J. and J.M. Cram Professor of Organic Chemistry)*
Michael E. Jung, PhD *(Walter and Shirley Wang Endowed Professor of Medicinal Drug Discovery)*

Richard B. Kaner, PhD
Abby Kavner, PhD
Carla M. Koehler, PhD
Ohyun Kwon, PhD
Joseph A. Loo, PhD
Thomas G. Mason, PhD
Heather D. Maynard, PhD
Daniel Neuhauser, PhD
Margot E. Quinlan, PhD
Yves F. Rubin, PhD
Philippe Sautet, PhD *(Levi James Knight, Jr. Term Professor of Excellence)*
Benjamin J. Schwartz, PhD
Hannah S. Shafaat, PhD
Yi Tang, PhD *(Ralph M. Parsons Foundation Professor of Chemical Engineering)*
Sarah H. Tolbert, PhD
Jorge Z. Torres, PhD
Paul S. Weiss, PhD *(Presidential Professor of Chemistry)*
Gerard C.L. Wong, PhD

Professors Emeriti

Frank A.L. Anet, PhD
Daniel E. Atkinson, PhD
Delroy A. Baugh, PhD
Kyle D. Bayes, PhD
James U. Bowie, PhD
Robijn F. Bruinsma, PhD
Albert J. Courey, PhD
Richard E. Dickerson, PhD
Mostafa A. El-Sayed, PhD
Peter M. Felker, PhD
Robin L. Garrell, PhD
James W. Gober, PhD
Jay D. Gralla, PhD
E. Russell Hardwick, PhD
Kendall N. Houk, PhD *(Saul Winstein Professor Emeritus of Organic Chemistry)*
Wayne L. Hubbell, PhD *(Jules Stein Professor Emeritus of Ophthalmology)*
Charles M. Knobler, PhD
Christopher J. Lee, PhD
Raphael D. Levine, PhD
Harold G. Martinson, PhD

Craig A. Merlic, PhD

Emil Reisler, PhD

J. Fraser Stoddart, PhD *(Nobel laureate)*

Charles E. Strouse, PhD

Joan S. Valentine, PhD

Richard L. Weiss, PhD *(Presidential Professor Emeritus of Chemistry)*

Shimon Weiss, DSc *(Dean M. Willard Professor Emeritus of Chemistry)*

Charles A. West, PhD

Todd O. Yeates, PhD

Jeffrey I. Zink, PhD

Associate Professors

Louis S. Bouchard, PhD

Justin R. Caram, PhD

Chong Liu, PhD

Prineha Narang, PhD *(Howard Reiss Career Development Professor)*

Jose A. Rodriguez, PhD

Ellen M. Sletten, PhD

Alexander M. Spokoyny, PhD

Assistant Professors

Soumitra V. Athavale, PhD

Victoria P. Barber, PhD

Michael R. Lawson, PhD

Matthew J. Nava, PhD

Danielle L. Schmitt, PhD

Senior Lecturer SOE

Arlene A. Russell, PhD, *Emerita*

Senior Lecturer

Laurence Lavelle, PhD

Lecturers

Anne Hong-Hermesdorf, PhD
Stacie S. Nakamoto, PhD
Eric R. Scerri, PhD

Adjunct Professor

Sabeeha Merchant, PhD

Adjunct Associate Professor

Jennifer R. Casey, PhD

Adjunct Assistant Professors

Mackenzie B. Anderson, PhD
Max Kopelevich, PhD
Rajat Maji, PhD
Chau Ngo, PhD
Hung V. Pham, PhD
Huiling Shao, PhD
James Tilden, PhD
Derek J. Urwin, PhD

Major

Biochemistry BS

College / School

College of Letters and Science

Department

Chemistry and Biochemistry

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Biochemistry major is for students preparing for careers in biochemistry or other fields requiring extensive preparation in both chemistry and biology.

Learning Outcomes

1. Understanding of chemical structures, bonding, and conformational properties of biological molecules
2. Understanding of higher-level organization of cellular components, rules of subcellular organelles, and compartmentalization
3. Understanding of mechanisms and energetics of biochemical reactions and the basis for enzymatic catalysis, including the roles of organic cofactors and metals in such processes
4. Understanding of ways that cellular events are energetically coupled in key processes
5. Understanding of regulatory and response mechanisms that operate in biological systems to achieve homeostasis and conduct signaling within and between cells
6. Understanding of the basis for molecular evolution and ways that genetic information is encoded and transmitted in biology
7. Understanding of the roles of DNA and protein sequence information in inferring biological function and common ancestry
8. Familiarity with laboratory methods for purifying, identifying, and characterizing biomolecules, including protein and nucleic acids
9. Familiarity with assays for activity and binding
10. Familiarity with basic laboratory methods for DNA manipulation

11. Understanding of the roles of hypotheses and models in investigating scientific ideas

12. Understanding of the critical importance of controls in interpreting experimental data

Entry to the Major

Admission

Students entering UCLA directly from high school who declare the Biochemistry major at the time of application are automatically admitted to that major.

UCLA students who wish to enter the major must have a minimum grade of C- in each of the preparation for the major courses completed and a combined grade-point average of at least 2.0 in those courses. Grades in any completed courses for the major must also average at least 2.0.

Transfer Students

Transfer applicants to the Biochemistry major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general chemistry with laboratory for majors, one and one half years of calculus, and either one year of calculus-based physics with laboratory or one year of organic chemistry for majors. Biochemistry majors must also complete courses equivalent to Life Sciences 7A, 7B, and 7C.

Entering transfer students who have successfully completed a year course (including laboratory) in general college chemistry intended for science and engineering students should enter course 30A. Transfer students should contact the Undergraduate Office, 4006 Young Hall, for assistance with the articulation of transfer coursework.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete a total of 18 to 19 courses as follows:

Chemistry 14 or 20 Series

Select one series:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 20L - General Chemistry Laboratory

Enhanced Courses

Chemistry 14AE or 14BE may be substituted for 14A or 14B respectively.

CHEM 14AE - General Chemistry for Life Scientists I—Enhanced

CHEM 14BE - General Chemistry for Life Scientists II—Enhanced

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Honors Courses

Chemistry 20AH or 20BH may be substituted for 20A or 20B respectively.

CHEM 20AH - Chemical Structure (Honors)

CHEM 20BH - Chemical Energetics and Change (Honors)

CHEMISTRY 30 SERIES

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

CHEM 30BL - Organic Chemistry Laboratory I

CHEM 30C - Organic Chemistry III: Reactivity, Synthesis, and Biomolecules

Chemistry 30 Series

Complete the following five courses:

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

CHEM 30BL - Organic Chemistry Laboratory I

CHEM 30C - Organic Chemistry III: Reactivity, Synthesis, and Biomolecules

Life Sciences

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

Mathematics

Complete the following three courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

RECOMMENDED COURSE

MATH 33A - Linear Algebra and Applications

Physics

Complete one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 1 HONORS SERIES

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete seven required courses, one additional upper-division or graduate course in chemistry and biochemistry, and three elective upper-division or graduate courses as follows:

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

CHEM 153C - Biochemistry: Biosynthetic and Energy Metabolism and Its Regulation

CHEM 153L - Biochemical Methods I

CHEM 154 - Biochemical Methods II

CHEM 156 - Physical Biochemistry

Chemistry and Biochemistry Elective

Complete one additional upper-division or graduate course in chemistry and biochemistry.

Additional Electives

Complete three elective upper-division or graduate courses (12 units) approved by the undergraduate adviser.

MICROBIOLOGY

Microbiology 101 is highly recommended.

MIMG 101 - Introductory Microbiology

Honors Program

The core of the program consists of at least one approved undergraduate seminar course from Chemistry and Biochemistry 193A or 193B and three research courses (12 units minimum) from 196A, 196B, or 199, culminating in a thesis.

Undergraduate Seminar

Select at least one seminar course from:

CHEM 193A - Journal Club Seminars: UC LEADS and MARC

CHEM 193B - Journal Club Seminars: Chemistry and Biochemistry

Research

Complete 12 units minimum from:

CHEM 196A - Research Apprenticeship in Chemistry and Biochemistry

CHEM 196B - Research Apprenticeship in Chemistry and Biochemistry

CHEM 199 - Directed Research in Chemistry and Biochemistry

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major, and completing three Program in Computing courses and two Computational Chemistry courses.

Program in Computing

Complete the following two courses and one elective:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

ADDITIONAL PROGRAM IN COMPUTING

Select one course from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 20A - Principles of Java Language with Applications

Computational Chemistry

Select two courses from:

CHEM C126A - Computational Methods for Chemists

CHEM C145 - Theoretical and Computational Organic Chemistry

COM SCI C121 - Probabilistic Models in Computational Genomics

Policies

The Major Policies

Refer to the Undergraduate Officewebsite for a list of approved electives.

Honors Program

Admission

The honors program provides exceptional majors with the opportunity to do research culminating in an honors thesis. Junior and senior majors who have completed all university-level coursework, including all

preparation courses and requirements for the major, with an overall grade-point average of 3.0 or better and a 3.5 GPA or better in the required major courses, may apply for admission. Students must have the sponsorship of an approved faculty adviser.

For additional information and application forms, students should contact the Undergraduate Advising Office, 4006 Young Hall, early in their educational planning. Completed applications must be submitted at least two weeks prior to the term in which students plan to begin the honors program.

Requirements

To qualify for graduation with departmental honors, students must satisfactorily complete all requirements for the honors program and the major and obtain a cumulative grade-point average of 3.5 or better in coursework required for the major. On recommendation of the faculty sponsor, and with the approval of the thesis by the departmental honors committee, students are awarded no honors, honors, or highest honors.

Students who have a grade-point average of 3.6 or better, both overall and in the major, and demonstrated exceptional accomplishment on the research thesis are awarded highest honors at the discretion of the departmental honors committee.

Computing Specialization Policies

Courses need to be completed with a combined grade-point average of at least 2.0. Students must petition for admission to the program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Undergraduate Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Major

Chemistry BS

College / School
College of Letters and Science

Department
Chemistry and Biochemistry

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The Chemistry major is for students who intend to pursue a career in chemistry.

Learning Outcomes

1. Demonstrated broad mastery of fundamental chemical knowledge, in-depth problem solving, critical thinking, and analytical reasoning in analytical, inorganic, organic, and physical chemistry, and in research
2. Use of computers in data acquisition and processing
3. Use of software tools for exploration and investigation of chemistry principles and models
4. Understanding of the role of chemistry in addressing contemporary societal and global issues
5. Performance of basic laboratory techniques, description of working principles, and knowledge of how to operate modern chemical instrumentation
6. Use of chemical information to search chemical safety databases
7. Conduct experimental work and handle all chemicals in a safe manner following OSHA-approved regulations and procedures
8. Work effectively in groups and teams of diverse peers to solve scientific problems
9. Search and access current and prior research
10. Communication of chemical knowledge and experimental results through written reports and oral presentations

Entry to the Major

Admission

Students entering UCLA directly from high school who declare the Chemistry major at the time of application are automatically admitted to the major.

UCLA students who wish to enter the major must have a minimum grade of C- in each of the preparation for the major courses completed and a combined grade-point average of at least 2.0 in those courses. Grades in any completed courses for the major must also average at least 2.0.

Transfer Students

Transfer applicants to the Chemistry major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general chemistry with laboratory for majors, one and one half years of calculus, and either one year of calculus-based physics with laboratory or one year of organic chemistry for majors. Chemistry majors should have completed the equivalent of Mathematics 32B.

Entering transfer students who have successfully completed a year course (including laboratory) in general college chemistry intended for science and engineering students should enter course 30A. Transfer students should contact the Undergraduate Office, 4006 Young Hall, for assistance with the articulation of transfer coursework.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Chemistry Concentration

Preparation for the Major

Complete 18 courses as follows:

CHEMISTRY

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

CHEM 30BL - Organic Chemistry Laboratory I

CHEM 30C - Organic Chemistry III: Reactivity, Synthesis, and Biomolecules

CHEM 30CL - Organic Chemistry Laboratory II

Honors Courses

Chemistry 20AH or 20BH may be substituted for 20A or 20B respectively.

CHEM 20AH - Chemical Structure (Honors)

CHEM 20BH - Chemical Energetics and Change (Honors)

MATHEMATICS

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

Differential Equations

Mathematics 33B is highly recommended.

MATH 33B - Differential Equations

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 1 Honors series

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete nine required courses, two upper-division or graduate courses in the department, including at least one additional laboratory course as follows:

REQUIRED

Complete the following eight courses and Chemistry 136 or 144:

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 110B - Topics in Physical Chemistry

CHEM 113A - Physical Chemistry: Introduction to Quantum Mechanics

CHEM 114 - Physical Chemistry Laboratory

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153L - Biochemical Methods I

CHEM 171 - Intermediate Inorganic Chemistry

CHEM C172 - Advanced Inorganic Chemistry

Chemistry 136 or 144

Select one course from:

CHEM 136 - Organic Structural Methods

CHEM 144 - Practical and Theoretical Introductory Organic Synthesis

Honors

Chemistry 114H may be substituted for 114.

CHEM 114H - Physical Chemistry Laboratory (Honors)

DEPARTMENT ELECTIVES

Select two upper-division or graduate courses in the department, including at least one additional laboratory course, from:

Laboratory Courses

CHEM 136 - Organic Structural Methods

CHEM 144 - Practical and Theoretical Introductory Organic Synthesis

CHEM 154 - Biochemical Methods II

CHEM C174 - Inorganic and Metalorganic Laboratory Methods

CHEM 184 - Chemical Instrumentation

CHEM 185 - Materials Chemistry Laboratory

Physical Chemistry Concentration

The physical chemistry concentration is designed primarily for students who are interested in attending graduate school in physical chemistry/physics or related areas.

Preparation for the Major

Complete the following 17 courses:

CHEMISTRY

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

CHEM 30BL - Organic Chemistry Laboratory I

Honors

Chemistry 20AH or 20BH may be substituted for 20A or 20B respectively.

CHEM 20AH - Chemical Structure (Honors)

CHEM 20BH - Chemical Energetics and Change (Honors)

MATHEMATICS

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 1 Honors series

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete eight required courses, one additional upper-division chemistry, electrical engineering, or physics laboratory course, and three upper-division or graduate courses as follows:

REQUIRED

Complete the following eight courses:

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 110B - Topics in Physical Chemistry

CHEM 113A - Physical Chemistry: Introduction to Quantum Mechanics

CHEM C113B - Quantum Chemistry Methods

CHEM 114 - Physical Chemistry Laboratory

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 171 - Intermediate Inorganic Chemistry

CHEM C172 - Advanced Inorganic Chemistry

Honors

Chemistry 114H may be substituted for 114.

CHEM 114H - Physical Chemistry Laboratory (Honors)

UPPER-DIVISION CHEMISTRY, ELECTRICAL ENGINEERING, OR PHYSICS LABORATORY

Complete one additional upper-division chemistry, electrical engineering, or physics laboratory course.

ADDITIONAL ELECTIVES

Complete three elective upper-division or graduate courses approved by the physical chemistry adviser.

RESEARCH GROUP

By the junior year, students are strongly encouraged to join a research group within the physical chemistry division to obtain firsthand experience with state-of-the-art physical chemistry research.

Honors Program

The core of the program consists of at least one approved undergraduate seminar course from Chemistry and Biochemistry 193A or 193B and three research courses (12 units minimum) from 196A, 196B, or 199, culminating in a thesis.

Undergraduate Seminar

Select one course from:

CHEM 193A - Journal Club Seminars: UC LEADS and MARC

CHEM 193B - Journal Club Seminars: Chemistry and Biochemistry

Research

Complete 12 units minimum from:

CHEM 196A - Research Apprenticeship in Chemistry and Biochemistry

CHEM 196B - Research Apprenticeship in Chemistry and Biochemistry

CHEM 199 - Directed Research in Chemistry and Biochemistry

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing three Program in Computing courses and two Computational Chemistry courses. Chemistry Concentration requires an additional two courses.

Program in Computing

Complete the following two courses and one elective:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

PROGRAM IN COMPUTING ELECTIVE

Select one course from:

- COMPTNG 10C - Advanced Programming
- COMPTNG 15 - Introduction to Lisp and Symbolic Computation
- COMPTNG 20A - Principles of Java Language with Applications

Computational Chemistry

Select two courses from:

- CHEM C113B - Quantum Chemistry Methods
- CHEM C126A - Computational Methods for Chemists
- CHEM C145 - Theoretical and Computational Organic Chemistry
- COM SCI C121 - Probabilistic Models in Computational Genomics

Chemistry Concentration

Students with the Chemistry Concentration are required to complete Chemistry and Biochemistry C113B and one computational chemistry course from the following list:

- CHEM C113B - Quantum Chemistry Methods

COMPUTATIONAL CHEMISTRY

Select one course from:

- CHEM 125 - Introduction to Python Programming and Machine Learning
- CHEM C126A - Computational Methods for Chemists
- CHEM C145 - Theoretical and Computational Organic Chemistry
- COM SCI C121 - Probabilistic Models in Computational Genomics
- COM SCI C122 - Algorithms in Computational Genomics

Policies

The Major Policies

Refer to the Undergraduate Office website for a list of approved electives.

Honors Program

Admission

The honors program provides exceptional majors with the opportunity to do research culminating in an honors thesis. Junior and senior majors who have completed all university-level coursework, including all preparation courses and requirements for the major, with an overall grade-point average of 3.0 or better and a 3.5 GPA or better in the required major courses, may apply for admission. Students must have the sponsorship of an approved faculty adviser.

For additional information and application forms, students should contact the Undergraduate Advising Office, 4006 Young Hall, early in their educational planning. Completed applications must be submitted at least two weeks prior to the term in which students plan to begin the honors program.

Requirements

The core of the program consists of at least one approved undergraduate seminar course from Chemistry and Biochemistry 193A or 193B and three research courses (12 units minimum) from 196A, 196B, or 199, culminating in a thesis.

To qualify for graduation with departmental honors, students must satisfactorily complete all requirements for the honors program and the major and obtain a cumulative grade-point average of 3.5 or better in coursework required for the major. On recommendation of the faculty sponsor, and with the approval of the thesis by the departmental honors committee, students are awarded no honors, honors, or highest honors.

Students who have a grade-point average of 3.6 or better, both overall and in the major, and demonstrated exceptional accomplishment on the research thesis are awarded highest honors at the discretion of the departmental honors committee.

Computing Specialization Policies

Courses need to be completed with a combined grade-point average of at least 2.0. Students must petition for admission to the program and are advised to do so after they complete Program in Computing

10B (petitions should be filed in the Undergraduate Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Major

Chemistry/Materials Science BS

College / School
College of Letters and Science

Department
Chemistry and Biochemistry

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The Chemistry/Materials Science major is designed for students who are interested in chemistry with an emphasis on material properties and provides students the opportunity to gain expertise in both chemistry and the science and engineering in materials such as semiconductors, photonic materials, polymers,

biomaterials, ceramics, and nano-scale structures. Students explore the reactivity of such materials in different environments and gain understanding of how chemical compositions affect properties. The major provides appropriate preparation for graduate studies in many fields emphasizing interdisciplinary research, including chemistry, engineering, and applied science.

Learning Outcomes

1. Understanding of the foundations of materials chemistry including nanoscience, materials synthesis, and materials processing
2. Understanding of different methods for materials characterization, measurement of materials properties, and general structure/function relationships
3. Familiarity with laboratory methods for materials chemistry and practical laboratory experience with such methods, including X-ray diffraction, optical absorption and fluorescence spectroscopies, electrical measurements, and electron and scanning probe microscopies
4. Understanding of basic operational principles for a broad range of practical devices (e.g., LEDs, photovoltaics, electrochromics, etc.) from a fundamental materials perspective
5. Safely and effectively work in a materials laboratory setting
6. Knowledge of how to handle chemicals in a safe manner following OSHA-approved regulations and procedures
7. Knowledge of how to use information resources to search and access safety databases
8. Use of computers, including data acquisition and software tools for calculating and understanding materials properties

9. Demonstrated broad mastery of materials chemistry including critical thinking, problem solving, working effectively in diverse groups

10. Communication of knowledge through written reports and oral presentations

Entry to the Major

Admission

Students entering UCLA directly from high school who declare the Chemistry/Materials Science major at the time of application are automatically admitted to that major.

UCLA students who wish to enter the major must have a minimum grade of C- in each of the preparation for the major courses completed and a combined grade-point average of at least 2.0 in those courses. Grades in any completed courses for the major must also average at least 2.0.

Transfer Students

Transfer applicants to the Chemistry/Materials Science major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general chemistry with laboratory for majors, one and one half years of calculus, and either one year of calculus-based physics with laboratory or one year of organic chemistry for majors. Chemistry/Materials Science majors in the organic materials concentration must complete a full year of organic chemistry with laboratory in addition to the other courses listed above.

Entering transfer students who have successfully completed a year course (including laboratory) in general college chemistry intended for science and engineering students should enter course 30A. Transfer students should contact the Undergraduate Office, 4006 Young Hall, for assistance with the articulation of transfer coursework.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 14 courses as follows:

Chemistry and Biochemistry

Complete the following five courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

HONORS COURSES

Chemistry 20AH or 20BH may be substituted for 20A or 20B respectively.

CHEM 20AH - Chemical Structure (Honors)

CHEM 20BH - Chemical Energetics and Change (Honors)

Mathematics

Complete the following five courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

DIFFERENTIAL EQUATIONS

Mathematics 33B is highly recommended.

MATH 33B - Differential Equations

Physics

Complete the following four courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete a total of 11 courses, 12 units of electives, and 7 laboratory units as follows:

Chemistry

Complete four required courses, one course from Chemistry C172, C180, or C181, and 4 elective units as follows:

REQUIRED

Complete the following four courses:

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 113A - Physical Chemistry: Introduction to Quantum Mechanics

CHEM 171 - Intermediate Inorganic Chemistry

CHEM 185 - Materials Chemistry Laboratory

CHEMISTRY C172 OR C180 OR C181

Select one course from:

CHEM C172 - Advanced Inorganic Chemistry

CHEM C180 - Solid-State Chemistry

CHEM C181 - Polymer Chemistry

CHEMISTRY ELECTIVE

Complete 4 units from:

CHEM 110B - Topics in Physical Chemistry

CHEM C113B - Quantum Chemistry Methods

CHEM C172 - Advanced Inorganic Chemistry

CHEM C174 - Inorganic and Metalorganic Laboratory Methods

CHEM C175 - Inorganic Reaction Mechanisms

CHEM C176 - Group Theory and Applications to Inorganic Chemistry

CHEM C180 - Solid-State Chemistry

CHEM C181 - Polymer Chemistry

Materials Science and Engineering

Complete five required courses, one course from Materials Science and Engineering 121, 150, or 160, and 8 elective units as follows:

REQUIRED

Complete the following five courses:

MAT SCI 104 - Science of Engineering Materials

MAT SCI 110 - Introduction to Materials Characterization A (Crystal Structure, Nanostructures, and X-Ray Scattering)

MAT SCI 110L - Introduction to Materials Characterization A Laboratory

MAT SCI 120 - Physics of Materials

MAT SCI 131 - Diffusion and Diffusion-Controlled Reactions

MATERIALS SCIENCE AND ENGINEERING 121 OR 150 OR 160

Select one course from:

MAT SCI 121 - Materials Science of Semiconductors

MAT SCI 150 - Introduction to Polymers

MAT SCI 160 - Introduction to Ceramics and Glasses

MATERIALS SCIENCE ELECTIVE

Complete 8 units from:

MAT SCI C111 - Introduction to Materials Characterization B (Electron Microscopy)

MAT SCI 121 - Materials Science of Semiconductors

MAT SCI 122 - Principles of Electronic Materials Processing

MAT SCI 132 - Structure and Properties of Metallic Alloys

MAT SCI 150 - Introduction to Polymers

MAT SCI 160 - Introduction to Ceramics and Glasses

MAT SCI 162 - Electronic Ceramics

MAT SCI CM180 - Introduction to Biomaterials

Laboratory

Complete seven laboratory units from:

CHEM 114 - Physical Chemistry Laboratory

CHEM 184 - Chemical Instrumentation

MAT SCI 121L - Materials Science of Semiconductors Laboratory

MAT SCI 131L - Diffusion and Diffusion-Controlled Reactions Laboratory

MAT SCI 161L - Laboratory in Ceramics

Organic Materials Concentration

Preparation for the Major

Complete 18 courses as follows:

CHEMISTRY

Complete the following nine courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

CHEM 30BL - Organic Chemistry Laboratory I

CHEM 30C - Organic Chemistry III: Reactivity, Synthesis, and Biomolecules

CHEM 30CL - Organic Chemistry Laboratory II

Honors Courses

Chemistry 20AH or 20BH may be substituted for 20A or 20B respectively.

CHEM 20AH - Chemical Structure (Honors)

CHEM 20BH - Chemical Energetics and Change (Honors)

MATHEMATICS

Complete the following five courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33B - Differential Equations

PHYSICS

Complete the following four courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete a total of 9 courses, 8 units of electives, and 7 laboratory units as follows:

CHEMISTRY AND BIOCHEMISTRY

Complete the following five courses and 4 elective units:

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 113A - Physical Chemistry: Introduction to Quantum Mechanics

CHEM 136 - Organic Structural Methods

CHEM 171 - Intermediate Inorganic Chemistry

CHEM 185 - Materials Chemistry Laboratory

Chemistry Elective

Complete 4 units from:

CHEM 110B - Topics in Physical Chemistry

CHEM C113B - Quantum Chemistry Methods

CHEM C143A - Structure and Mechanism in Organic Chemistry

CHEM 144 - Practical and Theoretical Introductory Organic Synthesis

CHEM C172 - Advanced Inorganic Chemistry

CHEM C174 - Inorganic and Metalorganic Laboratory Methods

CHEM C175 - Inorganic Reaction Mechanisms

CHEM C176 - Group Theory and Applications to Inorganic Chemistry

CHEM C180 - Solid-State Chemistry

CHEM C181 - Polymer Chemistry

MATERIALS SCIENCE AND ENGINEERING

Complete the following five courses and 4 elective units:

MAT SCI 104 - Science of Engineering Materials

MAT SCI 110 - Introduction to Materials Characterization A (Crystal Structure, Nanostructures, and X-Ray Scattering)

MAT SCI 110L - Introduction to Materials Characterization A Laboratory

MAT SCI 120 - Physics of Materials

MAT SCI 150 - Introduction to Polymers

Materials Sciences Elective

Complete 4 units from:

MAT SCI C111 - Introduction to Materials Characterization B (Electron Microscopy)

MAT SCI 121 - Materials Science of Semiconductors

MAT SCI 122 - Principles of Electronic Materials Processing

MAT SCI 131 - Diffusion and Diffusion-Controlled Reactions

MAT SCI 132 - Structure and Properties of Metallic Alloys

MAT SCI 160 - Introduction to Ceramics and Glasses

MAT SCI 162 - Electronic Ceramics

MAT SCI CM180 - Introduction to Biomaterials

LABORATORY

Complete seven laboratory units from:

CHEM 114 - Physical Chemistry Laboratory

CHEM 184 - Chemical Instrumentation

MAT SCI 121L - Materials Science of Semiconductors Laboratory

MAT SCI 131L - Diffusion and Diffusion-Controlled Reactions Laboratory

MAT SCI 161L - Laboratory in Ceramics

Honors Program

The core of the program consists of at least one approved undergraduate seminar course from Chemistry and Biochemistry 193A or 193B and three research courses (12 units minimum) from 196A, 196B, or 199, culminating in a thesis.

Undergraduate Seminar

Select one course from:

CHEM 193A - Journal Club Seminars: UC LEADS and MARC

CHEM 193B - Journal Club Seminars: Chemistry and Biochemistry

Research

Complete 12 units minimum from:

CHEM 196A - Research Apprenticeship in Chemistry and Biochemistry

CHEM 196B - Research Apprenticeship in Chemistry and Biochemistry

CHEM 199 - Directed Research in Chemistry and Biochemistry

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major, and completing three Program in Computing courses and two Computational Chemistry courses.

Program in Computing

Complete the following two courses and one elective:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

PROGRAM IN COMPUTING ELECTIVE

Select one course from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 20A - Principles of Java Language with Applications

Computational Chemistry

Select two courses from:

CHEM C126A - Computational Methods for Chemists

CHEM C145 - Theoretical and Computational Organic Chemistry

COM SCI C121 - Probabilistic Models in Computational Genomics

Policies

The Major Policies

The following courses may be applied only once toward the major: Chemistry and Biochemistry C172, C180, C181, Materials Science and Engineering 121, 150, 160.

Honors Program

Admission

The honors program provides exceptional majors with the opportunity to do research culminating in an honors thesis. Junior and senior majors who have completed all university-level coursework, including all preparation courses and requirements for the major, with an overall grade-point average of 3.0 or better and a 3.5 GPA or better in the required major courses, may apply for admission. Students must have the sponsorship of an approved faculty adviser.

For additional information and application forms, students should contact the Undergraduate Advising Office, 4006 Young Hall, early in their educational planning. Completed applications must be submitted at least two weeks prior to the term in which students plan to begin the honors program.

Requirements

To qualify for graduation with departmental honors, students must satisfactorily complete all requirements for the honors program and the major and obtain a cumulative grade-point average of 3.5 or better in coursework required for the major. On recommendation of the faculty sponsor, and with the approval of the thesis by the departmental honors committee, students are awarded no honors, honors, or highest honors.

Students who have a grade-point average of 3.6 or better, both overall and in the major, and demonstrated exceptional accomplishment on the research thesis are awarded highest honors at the discretion of the departmental honors committee.

Computing Specialization Policies

Courses need to be completed with a combined grade-point average of at least 2.0. Students must petition for admission to the program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the **Undergraduate Office**). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Major

General Chemistry BS

College / School
College of Letters and Science

Department
Chemistry and Biochemistry

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The General Chemistry major is for students who wish to acquire considerable chemical background in preparation for careers in secondary school chemistry teaching. The major may be appropriate for some students who plan to enter other chemistry-related careers that involve teaching chemistry to

nonchemists. This major cannot be taken as part of a double major or with the Science Education minor. Students must declare the major before reaching 135 units.

Learning Outcomes

1. Demonstrated mastery of fundamental chemical knowledge in analytical, inorganic, organic, physical chemistry, and biochemistry through in-depth problem solving, critical thinking, and analytical reasoning
2. Effective communication of chemical knowledge through written materials, oral presentations, and teaching in a variety of settings
3. Use of information resources for exploration and investigation of chemistry principles and models
4. Understanding of the role of chemistry in addressing contemporary societal and global issues
5. Ability to perform and teach basic laboratory procedures and techniques involving the synthesis of molecules
6. Ability to perform and teach the measurement of chemical properties, structures, and phenomena
7. Knowledge of how to handle chemicals in a safe manner following OSHA-approved regulations and procedures
8. Knowledge of how to use information resources to search and access safety databases

Entry to the Major

Transfer Students

Transfer applicants to the General Chemistry major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general chemistry with laboratory for majors, one and one half years of calculus, and either one year of calculus-based physics with laboratory or one year of organic chemistry for majors.

Entering transfer students who have successfully completed a year course (including laboratory) in general college chemistry intended for science and engineering students should enter course 30A. Transfer students should contact the Undergraduate Office, 4006 Young Hall, for assistance with the articulation of transfer coursework.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Students must declare the major before reaching 135 units.

Major Requirements

Preparation for the Major

Complete a total of 16 to 17 courses as follows:

Chemistry and Biochemistry

Complete the following eight courses:

- CHEM 20A - Chemical Structure
- CHEM 20B - Chemical Energetics and Change
- CHEM 20L - General Chemistry Laboratory
- CHEM 30A - Organic Chemistry I: Structure and Reactivity
- CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy
- CHEM 30BL - Organic Chemistry Laboratory I

CHEM 30C - Organic Chemistry III: Reactivity, Synthesis, and Biomolecules

CHEM 30CL - Organic Chemistry Laboratory II

HONORS COURSES

Chemistry 20AH or 20BH may be substituted for 20A or 20B respectively.

CHEM 20AH - Chemical Structure (Honors)

CHEM 20BH - Chemical Energetics and Change (Honors)

Life Sciences

Complete the following course:

LIFESCI 7A - Cell and Molecular Biology

Mathematics

Complete the following four courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

Physics

Select one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 1 HONORS SERIES

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete 13 courses as follows: four required chemistry courses, Chemistry 192A or 192B, three chemistry electives, one course from atmospheric and oceanic sciences or earth, planetary, and space sciences, three courses from education, and one course from environmental health sciences or science education.

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153L - Biochemical Methods I

CHEM 171 - Intermediate Inorganic Chemistry

Chemistry 192A or 192B

Select one course from:

CHEM 192A - Undergraduate Practicum in Chemistry and Biochemistry

CHEM 192B - Undergraduate Practicum in Chemistry and Biochemistry

Chemistry Electives

Complete three additional upper-division courses in the department (at least one must be a laboratory course).

Atmospheric and Oceanic Sciences or Earth, Planetary, and Space Sciences

Select one course from:

- A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics
- A&O SCI 102 - Climate Change and Climate Modeling
- A&O SCI 103 - Physical Oceanography
- A&O SCI 104 - Fundamentals of Air and Water Pollution
- EPS SCI 101 - Earth's Energy: Diminishing Fossil Resources and Prospects for Sustainable Future
- EPS SCI C113 - Biological and Environmental Geochemistry

Education

Select three courses from:

- EDUC M102 - Mexican Americans and Schools
- EDUC 105B - Topics in Child Development and Social Policies
- EDUC 106A - Education and Law
- EDUC 107A - Race, Class, and Education Inequality in U.S.
- EDUC 107B - Race and Education: Access, Equity, and Achievement
- EDUC M108 - Sociology of Education
- EDUC 111 - Politics of Education
- EDUC 126 - Language, Literacy, and Academic Development: Educational Considerations for School-Age Multilingual and English Language Learner Students
- EDUC 127 - Educational Psychology: Contexts for Teaching and Learning
- EDUC M131A - Language, Literacy, and Human Development Research Group Seminars
- EDUC 132 - Autism: Mind, Brain, and Education

Environmental Health Sciences or Science Education

Select one course from:

ENV HLT C152D - Properties and Measurement of Airborne Particles

ENV HLT C164 - Fate and Transport of Organic Chemicals in Aquatic Environment

SCI EDU 100XP - Classroom Practices in High School Science

Honors Program

The core of the program consists of at least one approved undergraduate seminar course from Chemistry and Biochemistry 193A or 193B and three research courses (12 units minimum) from 196A, 196B, or 199, culminating in a thesis.

Undergraduate Seminar

Select at least one seminar course from:

CHEM 193A - Journal Club Seminars: UC LEADS and MARC

CHEM 193B - Journal Club Seminars: Chemistry and Biochemistry

Research

Complete 12 units minimum from:

CHEM 196A - Research Apprenticeship in Chemistry and Biochemistry

CHEM 196B - Research Apprenticeship in Chemistry and Biochemistry

CHEM 199 - Directed Research in Chemistry and Biochemistry

Computing Specialization

Majors may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major, and completing three Program in Computing courses and two Computational Chemistry courses.

Program in Computing

Complete the following two courses and one elective:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

PROGRAM IN COMPUTING ELECTIVE

Select one course from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 20A - Principles of Java Language with Applications

Computational Chemistry

Select two courses from:

CHEM C126A - Computational Methods for Chemists

CHEM C145 - Theoretical and Computational Organic Chemistry

COM SCI C121 - Probabilistic Models in Computational Genomics

Policies

Preparation for the Major Policies

Students must complete the preparation courses with at least a 2.0 grade-point average.

The Major Policies

A 2.0 grade-point average is required in all upper-division courses in the department.

Honors Program

Admission

The honors program provides exceptional majors with the opportunity to do research culminating in an honors thesis. Junior and senior majors who have completed all university-level coursework, including all preparation courses and requirements for the major, with an overall grade-point average of 3.0 or better and a 3.5 GPA or better in the required major courses, may apply for admission. Students must have the sponsorship of an approved faculty adviser.

For additional information and application forms, students should contact the Undergraduate Advising Office, 4006 Young Hall, early in their educational planning. Completed applications must be submitted at least two weeks prior to the term in which students plan to begin the honors program.

Requirements

To qualify for graduation with departmental honors, students must satisfactorily complete all requirements for the honors program and the major and obtain a cumulative grade-point average of 3.5 or better in coursework required for the major. On recommendation of the faculty sponsor, and with the approval of the thesis by the departmental honors committee, students are awarded no honors, honors, or highest honors.

Students who have a grade-point average of 3.6 or better, both overall and in the major, and demonstrated exceptional accomplishment on the research thesis are awarded highest honors at the discretion of the departmental honors committee.

Computing Specialization Policies

Courses need to be completed with a combined grade-point average of at least 2.0. Students must petition for admission to the program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the **Undergraduate Office**). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Major

Biochemistry, Molecular and Structural Biology MS, CPhil, PhD

College / School

College of Letters and Science

Department

Chemistry and Biochemistry

Degree Level

Graduate

Degree Objective

Master of Science, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Chemistry MS, CPhil, PhD

College / School

College of Letters and Science

Department

Chemistry and Biochemistry

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Applied Chemical Sciences

College / School

College of Letters and Science

Department

Chemistry and Biochemistry

Degree Level

Graduate

Degree Objective

Master of Applied Chemical Sciences

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

César E. Chávez Chicana/o and Central American Studies Overview

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College of Letters and Science

7349 Bunche Hall
Box 951559
Los Angeles, CA 90095-1559

Chicana/o and Central American Studies
310-206-7695
Undergraduate Student Adviser e-mail
Graduate Student Adviser e-mail

Charlene Villaseñor Black, PhD, *Chair*

Addressing local, national, and transnational contexts, the Chicana/Chicano and Central American studies curriculum at UCLA explores race, class, gender, and sexuality paradigms as they have shaped the history of the field; as well as new directions in the study of Chicanas/Chicanos and Latinas/Latinos, including border and transnational studies; expressive arts; history, literature, and language of Americas; and labor, law, and policy studies.

Departmental faculty members, situated in one of the most diverse cities in the world, utilize Los Angeles as a laboratory for studying the social transformations taking place in California, the Southwest, and the U.S. The department provides students with the interdisciplinary research tools necessary to advance knowledge in the field, provide academic leadership, and serve community needs with academic resources.

Mission

The mission of the César E. Chávez Department of Chicana/o and Central American Studies is to train a new generation of scholars to research and analyze the life, history, and culture of Mexican-origin people within the U.S., as well as of other Latina/Latino and indigenous populations in the Americas.

César E. Chávez Chicana/o and Central American Studies Faculty Roster

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Professors

Leisy J. Abrego, PhD
Eric R. Avila, PhD *(Waldo W. Neikirk Term Professor)*
Matthew A. Barreto, PhD
Charlene Villaseñor Black, PhD
Maylei S. Blackwell, PhD
Héctor V. Calderón, PhD
Jason P. De León, PhD
Alicia Gaspar de Alba, PhD
Gary M. Segura, PhD
Daniel G. Solórzano, Jr., PhD
Veronica Terríquez, PhD
Abel Valenzuela, Jr., PhD

Professors Emeriti

Judith F. Baca, MA
Laura E. Gómez, PhD
Reynaldo F. Macías, PhD

Susan J. Plann, PhD
María Cristina Pons, PhD
Otto Santa Ana, PhD

Associate Professors

Genevieve G. Carpio, PhD
Raúl A. Hinojosa-Ojeda, PhD
Gaye T. Johnson, PhD
Robert Chao Romero, JD, PhD
J. Christopher Zepeda-Millán, PhD

Assistant Professors

Karina Alma, PhD
Floridalma E. Boj López, PhD
Laura C. Chávez-Moreno, PhD
Joshua J. Guzman, PhD

Lecturers

Helen Burgos-Ellis, PhD
Virginia R. Espino, PhD
Cristina M. Frias, MFA
Alma López Gaspar de Alba, MFA
Martha Ramírez-Oropez, BA

Major

Chicana and Chicano Studies BA

College / School
College of Letters and Science

Department
César E. Chávez Chicana/o and Central American Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The BA program in Chicana and Chicano Studies is committed to the practice of different forms of scholarship and pedagogy and to the promotion of critical thinking about such issues as gender, sexuality, social action, language, race, ethnicity, class, assimilation/acculturation paradigms, and indigenous

traditions. The literary and visual arts often function as vehicles for social change and creative empowerment, and so they constitute one focus of the curriculum, that aims to strike a balance among the social sciences, humanities, arts, and the professions. The major prepares students for graduate education in academic and professional fields and for a variety of positions that involve community and social service in the U.S. and abroad.

Capstone Program

The Chicana and Chicano Studies major is a designated capstone program. Students have options for completing a senior honors thesis, individual research, or senior project under the direction of a faculty member. Alternatively, students may elect to complete an upper-division course that includes additional coursework culminating in completion of a capstone paper or creative project. Through their capstone work, students are expected to demonstrate working knowledge of the major findings and methods of the disciplines from which they have drawn their Chicana and Chicano studies coursework, show their capacities for conceiving and executing a research or creative project on a self-selected topic as well as identifying and evaluating relevant documentation pertaining to that project, demonstrate appropriate levels of scholarly discourse on their selected topic, and develop greater capacity to be of lifelong service to the Chicana/Chicano and Latina/Latino community and to global society in the tradition of César Chávez and scholar activist exemplars.

Learning Outcomes

1. Demonstrated skills and expertise, including research, analysis, and writing
2. Demonstrated familiarity and competence in a range of interdisciplinary methodologies and approaches
3. Demonstrated ability to identify and analyze appropriate primary and secondary sources, material evidence, and other primary documents
4. Demonstrated mastery and integration of knowledge and learned abilities

5. Demonstrated ability to use knowledge gained in classroom to conceive and execute projects

6. Demonstrated broad knowledge of fundamentals acquired through coursework, as informed by race, class, gender, and sexuality paradigms

7. Conception and execution of an original research project that identifies and engages with a topic relevant to the student's area of concentration

8. Presentation of work to peers for discussion and critique

Entry to the Major

Transfer Students

Transfer applicants to the Chicana and Chicano Studies major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one interdisciplinary Chicana/Chicano history and culture course, one interdisciplinary Chicana/Chicano social structure and contemporary conditions course, and five quarter terms of Spanish.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete the following two required courses, and Spanish 5 or equivalent:

CCAS 10A - Introduction to Chicana/Chicano Studies: History and Culture

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

SPAN 5 - Intermediate Spanish

The Major

A total of 11 upper-division courses as follows:

CCAS 101 - Theoretical Concepts in Chicana/Chicano Studies

Service Learning

Select one course from following list or from the approved list available in the department each term:

CCAS 100XP - Barrio Organization and Service Learning

CCAS M170XP - Topics in Community Engagement

Electives from Outside Department

Complete two related study courses from the approved list of courses outside the department (related study includes courses that provide a comparative perspective to Chicana and Chicano studies and/or a contextualization of Chicana and Chicano communities in the world).

Advanced Seminar

Complete the following advanced seminar course or another course by petition to the department chair:

CCAS 191 - Variable Topics Research Seminars: Chicana/o and Central American Studies

Concentrations

Select a concentration of four courses in one area listed and two courses in a second area.

BORDER AND TRANSNATIONAL STUDIES

CCAS CM110 - Chicana Feminism

CCAS 120 - Immigration and Chicano Community

CCAS M124 - Latinx Immigration Policy and Politics

CCAS M125 - U.S./Mexico Relations

CCAS M126 - Politics of Crisis: Migration, Identity, and Religion

CCAS M132 - Border Consciousness

CCAS 143 - Mestizaje: History of Diverse Racial/Cultural Roots of Mexico

CCAS M144 - Women's Movement in Latin America

CCAS CM147 - Transnational Women's Organizing in Americas

CCAS 151 - Human Rights in Americas

CCAS 152 - Disposable People: U.S. Deportation and Repatriation Campaigns

CCAS 153A - Central Americans in U.S.

CCAS M154 - Contemporary Issues among Chicanas

CCAS M155A - Latinos in U.S.

CCAS M156A - Immigrant Rights, Labor, and Higher Education

CCAS 163 - Bilingual Advantage: Spanish Language Topics on Chicana/Chicano and Latin American Cultures

CCAS 176 - Globalization and Transnationalism: Local Historical Dynamics and Praxis

CCAS 184 - History of U.S./Mexican Borderlands

CCAS 191 - Variable Topics Research Seminars: Chicana/o and Central American Studies

EXPRESSIVE ARTS

CCAS M103C - Origins and Evolution of Chicano Theater

CCAS M103D - Contemporary Chicano Theater: Beginning of Chicano Theater Movement

CCAS M103G - Contemporary Chicano Theater: Chicano Theater since 1980

CCAS 104 - Comedy and Culture: Your Humorous Life

CCAS M108A - Music of Latin America: Mexico, Central America, and Caribbean Isles

CCAS M115 - Musical Aesthetics in Los Angeles

CCAS M116 - Chicano/Latino Music in U.S.

CCAS 117 - Chicana/Chicano Images in Mexican Film and Literature

CCAS CM135 - Bilingual Writing Workshop

CCAS M175 - Chicana Art and Artists

CCAS M185 - Whose Monument Where: Course on Public Art

CCAS M186A - Beyond Mexican Mural: Beginning Muralism and Community Development

CCAS M186AL - Beyond Mexican Mural: Beginning Muralism and Community Laboratory

CCAS M186B - Beyond Mexican Mural: Intermediate Muralism and Community Development

CCAS M186BL - Beyond Mexican Mural: Intermediate Muralism and Community Laboratory

CCAS M186C - Beyond Mexican Mural: Advanced Muralism and Community Development

CCAS M186CL - Beyond Mexican Mural: Advanced Muralism and Community Laboratory

CCAS M187 - Latino Metropolis: Architecture and Urbanism in Americas

CCAS 191 - Variable Topics Research Seminars: Chicana/o and Central American Studies

HISTORY, CULTURE, AND LANGUAGE OF AMERICAS

CCAS M105A - Early Chicana/Chicano Literature, 1400 to 1920

CCAS M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

CCAS 109 - Chicana/Chicano Folklore

CCAS CM110 - Chicana Feminism

CCAS 111 - Chicana/Chicano and Latina/Latino Intellectual Traditions

CCAS M114 - Chicanos in Film/Video

CCAS M116 - Chicano/Latino Music in U.S.

CCAS 131 - Barrio Popular Culture

CCAS M132 - Border Consciousness

CCAS M133 - Chicana Lesbian Literature

CCAS M139 - Topics in Chicana/Chicano and/or Latina/Latino Literature

CCAS C141 - Chicana and Latin American Women's Narrative

CCAS 142 - Mesoamerican Literature

CCAS 143 - Mestizaje: History of Diverse Racial/Cultural Roots of Mexico

CCAS 145B - Literature of Chicana/Chicano Movement

CCAS 146 - Chicano Narrative

CCAS 157 - Chicano Movement and Its Political Legacies

CCAS M158 - Chicana Historiography

CCAS M159A - History of Chicano Peoples

CCAS M159B - History of Chicano Peoples

CCAS 160 - Introduction to Chicana/Chicano Speech in American Society

CCAS 168A - Latinos: Print Media

CCAS 168B - Latinos: Television News

CCAS 169 - Representations of Indigenous Peoples in Americas

CCAS 171 - Humor as Social Control

CCAS M173 - Nonviolence and Social Movements

CCAS 181 - History of Chicana/Chicano Los Angeles, 20th Century

CCAS CM182 - Understanding Whiteness in American History and Culture

CCAS M183 - History of Los Angeles

CCAS 184 - History of U.S./Mexican Borderlands

CCAS M187 - Latino Metropolis: Architecture and Urbanism in Americas

CCAS 191 - Variable Topics Research Seminars: Chicana/o and Central American Studies

LABOR, LAW, AND POLICY STUDIES

CCAS M102 - Mexican Americans and Schools

CCAS CM106 - Health in Chicano/Latino Population

CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

CCAS 120 - Immigration and Chicano Community

CCAS M121 - Issues in Latina/Latino Poverty: Mexican and Central American Voices from Los Angeles

CCAS M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

CCAS 123 - Applied Research Methods in Latino Communities

CCAS M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

CCAS M128 - Race, Gender, and U.S. Labor

CCAS M130 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

CCAS M148 - Politics of Struggle: Race, Solidarity, and Resistance

CCAS 149 - Gendered Politics and Chicana/Latina Political Participation

CCAS 150 - Affirmative Action: History and Politics

CCAS 151 - Human Rights in Americas

CCAS 152 - Disposable People: U.S. Deportation and Repatriation Campaigns

CCAS M156A - Immigrant Rights, Labor, and Higher Education

CCAS M156B - Research on Immigration Rights, Labor, and Higher Education

CCAS 165 - Latinas and Latinos in Public Education

CCAS 166 - Paulo Freire for Chicana/Chicano Classroom

CCAS 174AX - Restoring Civility: Understanding, Using, and Resolving Conflict

CCAS 174BX - Restoring Civility: Understanding, Using, and Resolving Conflict

CCAS CM177 - Latino Social Policy

CCAS 178 - Latinas/Latinos and Law: Comparative and Historical Perspectives

CCAS C179 - Language Politics and Policies in U.S.: Comparative History

CCAS 191 - Variable Topics Research Seminars: Chicana/o and Central American Studies

Honors Program

The proposal, research, data collection, analysis, and writing of the thesis (or the creative equivalent to this process) take place in Chicana/o and Central American Studies 198A, 198B, and 198C, which may not be applied toward the major requirements. An honors thesis of at least 30 pages or a significant creative project is required.

CCAS 198A - Honors Research in Chicana/Chicano and Central American Studies: Thesis Conceptualization

CCAS 198B - Honors Research in Chicana/Chicano and Central American Studies: Annotated Bibliography/Literature Review

CCAS 198C - Honors Research in Chicana/Chicano and Central American Studies: Writing and Revision

Optional Multidisciplinary Senior Thesis

Chicana and Chicano Studies majors have the option during their senior year to enroll in two 199 courses with the intention of producing an undergraduate thesis. The first term includes thesis conceptualization and formulation, along with preliminary data collection for the thesis. The second term entails completion of the data collection, analysis of the data, and writing of the thesis. Enrollment in the two 199 courses is with the advice and consent of a faculty member.

CCAS 199 - Directed Research or Senior Project in Chicana/Chicano and Central American Studies

Policies

The Major Policies

No more than 8 units of 188, 191, and 199 courses may be applied toward the major; enrollment in the courses must be approved in writing by the department chair.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Honors Program

The Chicana and Chicano Studies honors program provides the opportunity for motivated and dedicated students to undertake a year-long research or creative project with the guidance and supervision of a faculty member. The program is open to all juniors and seniors who have a 3.5 grade-point average in the major, a cumulative GPA of 3.0 or better, and completed 90 or more total units, including Chicana/o and Central American Studies 10A, 10B, 101, and one course from 89, 89HC, 189, or 189HC.

The application for admission must be submitted in spring quarter of the year prior to admission to the program, with the advice and consent of a faculty sponsor.

Students who are currently undertaking the optional multidisciplinary senior thesis and who are eligible for the honors program may opt to switch to the honors program (provided it does not delay their progress toward the degree) with the approval of the department.

Minor

Central American Studies Minor

College / School
College of Letters and Science

Department
César E. Chávez Chicana/o and Central American Studies

Level
Undergraduate

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Complete seven courses as follows:

Required Lower-Division Course (5 units)

Complete the following required course with a grade of C or better:

CCAS 20 - Central American Studies: Histories and Cultures

Required Upper-Division Courses (24 units minimum)

CORE

Select two upper-division core courses from:

CCAS 153A - Central Americans in U.S.

CCAS 153B - Central American Racial Constructions

CCAS 153C - Migrating U.S./Central American Cultural Production

CCAS 153D - U.S. Central American Narratives

ELECTIVE COURSES

Select four upper-division elective courses from the following. Chicana/o and Central American Studies 153D may be applied if not applied as a core course.

AF AMER M154C - Black Experience in Latin America and Caribbean I

AF AMER M154D - Black Experience in Latin America and Caribbean II

ANTHRO 161 - Latin American Communities

ART HIS CM139A - Maya Art and Architecture

ART HIS CM141 - Colonial Latin American Art

ART HIS C142B - Latin American Art of 20th Century

CCAS 100XP - Barrio Organization and Service Learning

CCAS M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

CCAS M105D - Introduction to Latina/Latino Literature

CCAS C107 - Latina/Latino Families in U.S.

CCAS M108A - Music of Latin America: Mexico, Central America, and Caribbean Isles

CCAS M121 - Issues in Latina/Latino Poverty: Mexican and Central American Voices from Los Angeles

CCAS M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

CCAS M124 - Latinx Immigration Policy and Politics

CCAS M125 - U.S./Mexico Relations

CCAS M144 - Women's Movement in Latin America

CCAS CM147 - Transnational Women's Organizing in Americas

CCAS 151 - Human Rights in Americas

CCAS 152 - Disposable People: U.S. Deportation and Repatriation Campaigns

CCAS 153A - Central Americans in U.S.

CCAS 153B - Central American Racial Constructions

CCAS 153C - Migrating U.S./Central American Cultural Production

CCAS 153D - U.S. Central American Narratives

CCAS 164XP - Oral History: Latino New Immigrant Youth

CCAS 169 - Representations of Indigenous Peoples in Americas

CCAS 188 - Special Courses in Chicana/o and Central American Studies

CCAS 191 - Variable Topics Research Seminars: Chicana/o and Central American Studies

CCAS 199 - Directed Research or Senior Project in Chicana/Chicano and Central American Studies

COM HLT 132 - Health, Disease, and Health Services in Latin America

ENGL 135 - Literature of Americas

ENGL 176 - Hemispheric American Literature

SPAN 155 - Topics in U.S. Latina/o Studies

SPAN 170 - Topics in Interdisciplinary and Transhistorical Studies

Policies

The Minor Policies

A maximum of 4 units of special studies courses (197, 199) approved by the adviser may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Chicana and Chicano Studies Minor

College / School
College of Letters and Science

Department
César E. Chávez Chicana/o and Central American Studies

Level
Undergraduate

Overview

The Chicana and Chicano Studies minor complements study in another traditional field. Students participating in the minor are required to complete both a departmental major in another discipline and the Chicana and Chicano Studies minor.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, have completed 45 units, and file a petition with the student adviser in 7351 Bunche Hall.

Minor Requirements

The Minor

Complete seven courses as follows:

Required Lower-Division Courses (10 units)

Complete the following two courses:

CCAS 10A - Introduction to Chicana/Chicano Studies: History and Culture

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

Required Upper-Division Courses (20 units minimum)

Complete one required course and four elective courses as follows:

CCAS 101 - Theoretical Concepts in Chicana/Chicano Studies

ELECTIVE COURSES

Complete four elective courses (20 units minimum) selected from the approved list (available in the department office each term.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Chicana and Chicano Studies MA, CPhil, PhD

College / School

College of Letters and Science

Department

César E. Chávez Chicana/o and Central American Studies

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Civil and Environmental Engineering Overview

You're now viewing the 2024-25 Catalog

Henry Samueli School of Engineering and Applied Science

5731 Boelter Hall
Box 951593
Los Angeles, CA 90095-1593

Civil and Environmental Engineering
310-825-1851
Department e-mail

Ertugrul Taciroglu, PhD, ***Chair***
Jennifer A. Jay, PhD, ***Vice Chair***
Jian Zhang, PhD, ***Vice Chair***

The Department of Civil and Environmental Engineering programs at UCLA include civil engineering materials, environmental engineering, geotechnical engineering, structural/earthquake engineering and mechanics, transportation engineering, and water resources and coastal engineering.

Undergraduate Study

The undergraduate curriculum leads to a Bachelor of Science (BS) in Civil Engineering, a broad-based education in civil engineering materials, environmental engineering, geotechnical engineering, structural/earthquake engineering and mechanics, transportation engineering, and water resources and coastal engineering. This program is an excellent foundation for entry into professional practice in civil

engineering or for more advanced study. The department also offers the undergraduate Environmental Engineering minor.

Graduate Study

At the graduate level, Master of Science (MS) and Doctor of Philosophy (PhD) degree programs are offered in the areas of civil engineering materials, environmental engineering, geotechnical engineering, structural and civil engineering materials, structural/earthquake engineering and mechanics, transportation engineering, and water resources and coastal engineering. In these areas, research is being done on a variety of problems ranging from basic physics and mechanics problems to critical problems in earthquake engineering and in the development of new technologies for pollution control and water distribution and treatment.

Civil and Environmental Engineering Faculty Roster

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Professors

Yousef Bozorgnia, PhD, PE
Scott J. Brandenberg, PhD, PE
Mekonnen Gebremichael, PhD
Eric M.V. Hoek, PhD
David Jassby, PhD
Jennifer A. Jay, PhD
Jiann-Wen Woody Ju, PhD, PE
Dennis P. Lettenmaier, PhD, NAE
Enrique A. López-Droguett, PhD
Shaily Mahendra, PhD
Steven A. Margulis, PhD
Ali Mosleh, PhD, NAE *(Evalyn Knight Professor of Engineering)*
Sriram Narasimhan, PhD
Gaurav Sant, PhD *(Pritzker Professor of Sustainability)*
Michael K. Stenstrom, PhD, PE
Jonathan P. Stewart, PhD, PE
Ertugrul Taciroglu, PhD
John W. Wallace, PhD
Jian Zhang, PhD

Professors Emeriti

Stanley B. Dong, PhD, PE
Lewis P. Felton, PhD
Michael E. Fourney, PhD, PE
Moshe F. Rubinstein, PhD
Keith D. Stolzenbach, PhD, PE
William W-G. Yeh, PhD, NAE *(Richard G. Newman AECOM Endowed Professor Emeritus of Civil Engineering)*

Associate Professors

Mathieu Bauchy, PhD
Henry V. Burton, PhD, SE *(Presidential Endowed Professor of Structural Engineering)*
Timu W. Gallien, PhD
Jiaqi Ma, PhD
Sanjay K. Mohanty, PhD

Assistant Professors

Idil D. Akin, PhD
Isabella B. Arzeno-Soltero, PhD
Tierra S. Bills, PhD
Alvar Escriva-Bou, PhD
Regan F. Patterson, PhD
Fabian Rosner, PhD

Senior Lecturer

Sim-Lin Lau

Lecturer

Eric Ahlberg, PhD

Adjunct Professor

Thomas A. Sabol, PhD, SE

Adjunct Associate Professors

Issam Najm, PhD, PE

Major

Civil Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Civil and Environmental Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The civil engineering program is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Civil Engineering major is a designated capstone major. In each of the major field design courses, students work individually and in groups to complete design projects. To do so, they draw on their prior coursework, research the needed materials and possible approaches to creating their device or system, and come up with creative solutions. This process enables them to integrate many of the principles they have learned previously and apply them to real systems. In completing their projects, students are also expected to demonstrate effective oral and written communication skills, as well as their ability to work productively with others as part of a team.

Learning Outcomes

1. Understanding of, and ability to apply, basic mathematical and scientific concepts that underlie the field
2. Ability to contribute meaningfully to design projects
3. Critical thinking skills, problem-solving abilities, and familiarity with computational procedures essential to the field
4. Ability to work productively as a member of a team
5. Effective oral and written communication skills

Major Requirements

Preparation for the Major

Complete 16 courses as follows:

Chemistry

Complete the following three courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Civil Engineering

Complete the following course and Civil and Environmental Engineering M20 or Computer Science 31:

C&EE 1 - Civil Engineering and Infrastructure

CIVIL ENGINEERING M20 OR COMPUTER SCIENCE 31

Select one course from:

C&EE M20 - Introduction to Computer Programming with MATLAB

COM SCI 31 - Introduction to Computer Science I

Mathematics

Complete the following five courses and Mathematics 33B or Mechanical and Aerospace Engineering 82:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATHEMATICS 33B OR MECHANICAL AND AEROSPACE ENGINEERING 82

Select one course from:

MATH 33B - Differential Equations

MECH&AE 82 - Mathematics of Engineering

Physics

Complete the following four courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

Natural Science

Select one course from:

C&EE 58XP - Climate Change, Water Quality, and Ecosystem Functioning

EPS SCI 3 - Astrobiology

EPS SCI 15 - Blue Planet: Introduction to Oceanography

EPS SCI 16 - Major Events in History of Life

EPS SCI 17 - Dinosaurs and Their Relatives

EPS SCI 20 - Natural History of Southern California

ENVIRON 12 - Sustainability and Environment

LIFESCI 7A - Cell and Molecular Biology

MIMG 5 - Science of Memory and Learning

MIMG 6 - Microbiology for Nonmajors

NEUROSC 10 - Brain Made Simple: Neuroscience for 21st Century

The Major

Complete 23 courses as follows: 12 required courses, three technical breadth courses, and at least eight field elective courses.

Required

Complete 12 courses: 7 required courses and one course from each of the five options as follows:

C&EE 103 - Applied Numerical Computing and Modeling in Civil and Environmental Engineering

C&EE 108 - Introduction to Mechanics of Deformable Solids

C&EE 120 - Principles of Soil Mechanics

C&EE 135A - Elementary Structural Analysis

C&EE 150 - Introduction to Hydrology

C&EE 153 - Introduction to Environmental Engineering Science

C&EE 190 - Professional Practice

CHEMICAL ENGINEERING 102A OR MECHANICAL AND AEROSPACE ENGINEERING 105A

Select one course from:

CH ENGR 102A - Thermodynamics I

MECH&AE 105A - Introduction to Engineering Thermodynamics

CIVIL ENGINEERING 91 OR MECHANICAL AND AEROSPACE ENGINEERING 101

Select one course from:

C&EE 91 - Statics

MECH&AE 101 - Statics and Strength of Materials

CIVIL ENGINEERING C104 OR MATERIALS SCIENCE AND ENGINEERING 104

Select one course from:

C&EE C104 - Structure, Processing, and Properties of Civil Engineering Materials

MAT SCI 104 - Science of Engineering Materials

CIVIL ENGINEERING 107 OR MECHANICAL AND AEROSPACE ENGINEERING 103

Select one course from:

C&EE 107 - Environmental Fluid Mechanics

MECH&AE 103 - Elementary Fluid Mechanics

CIVIL ENGINEERING 110 OR C111

Select one course from:

C&EE 110 - Introduction to Probability and Statistics for Engineers

C&EE C111 - Machine Learning and Artificial Intelligence for Civil Engineering

Technical breadth courses

Complete three technical breadth courses (12 units) selected from an approved list available in the Office of Academic and Student Affairs.

Field Electives

Select at least eight major field elective courses (32 units) from the lists below with at least two design courses, one of which must be a capstone design course and two of which must be laboratory courses. The laboratory courses must be taken from two distinct areas (both 120L and 129L may be taken to satisfy the two-laboratory requirement). Courses applied toward the required course requirement may not also be applied toward the major field elective requirement.

CIVIL ENGINEERING MATERIALS

C&EE C104 - Structure, Processing, and Properties of Civil Engineering Materials

C&EE C105 - Structure and Properties of Amorphous Civil Engineering Materials

C&EE C106 - Modeling and Simulation of Civil Engineering Materials

C&EE C111 - Machine Learning and Artificial Intelligence for Civil Engineering

C&EE C182 - Rigid and Flexible Pavements: Design, Materials, and Serviceability

Laboratory

C&EE 108L - Experimental Structural Mechanics

ENVIRONMENTAL ENGINEERING

C&EE 116XP - Engineering and Environmental Justice

C&EE 154 - Chemical Fate and Transport in Aquatic Environments

C&EE 155 - Unit Operations and Processes for Water and Wastewater Treatment

C&EE C159 - Green Infrastructure

C&EE C164 - Sustainable Waste Management

C&EE M165 - Environmental Nanotechnology: Implications and Applications

C&EE M166 - Environmental Microbiology

Laboratory

C&EE 156A - Environmental Chemistry Laboratory

C&EE 156B - Environmental Engineering Unit Operations and Processes Laboratory

Capstone design

C&EE 157B - Design of Water Treatment Plants

C&EE 157C - Design of Wastewater Treatment Plants

GEOTECHNICAL ENGINEERING

C&EE 125 - Fundamentals of Earthquake Engineering

Laboratory

C&EE 120L - Soil Mechanics Laboratory

C&EE 129L - Engineering Geomatics

Design

C&EE 121 - Design of Foundations and Earth Structures

Capstone Design

C&EE 123 - Advanced Geotechnical Design

HYDROLOGY AND WATER RESOURCES ENGINEERING

C&EE 157A - Hydrologic Modeling

C&EE C158 - Coastal Engineering

Laboratory

C&EE 129L - Engineering Geomatics

C&EE 157L - Hydrologic Analysis

Design

C&EE 151 - Introduction to Water Resources Engineering

Capstone Design

C&EE 152 - Hydraulic and Hydrologic Design

STRUCTURAL ENGINEERING AND MECHANICS

C&EE 125 - Fundamentals of Earthquake Engineering

C&EE 130 - Elementary Structural Mechanics

C&EE 132 - Dynamics of Rigid and Flexible Structures

C&EE 135B - Intermediate Structural Analysis

C&EE M135C - Introduction to Finite Element Methods

C&EE 142 - Design of Reinforced Concrete Structures

Laboratory

C&EE 108L - Experimental Structural Mechanics

C&EE 135L - Structural Design and Testing Laboratory

C&EE 140L - Structural Components and Systems Testing Laboratory

Design

C&EE 141 - Steel Structures

C&EE 143 - Design of Prestressed Concrete Structures

C&EE 148 - Wood and Timber Design

Capstone Design

C&EE 144 - Structural Systems Design

C&EE 147 - Design and Construction of Tall Buildings

TRANSPORTATION ENGINEERING

C&EE 180 - Introduction to Transportation Engineering

C&EE C181 - Traffic Engineering Systems: Operations and Control

C&EE C182 - Rigid and Flexible Pavements: Design, Materials, and Serviceability

C&EE C183 - Transportation Sustainability

C&EE C185 - Transportation Systems Analysis

C&EE C186 - Intelligent Transportation Systems

Policies

The Major Policies

It is recommended that students take Civil and Environmental Engineering 109EW to satisfy the schoolwide ethics and writing requirements.

Approved course lists are available in the **Office of Academic and Student Affairs**.

For information on UC, school, and general education requirements, see the Samueli school section in College and Schools.

Minor

Environmental Engineering Minor

College / School

Henry Samueli School of Engineering and Applied Science

Department

Civil and Environmental Engineering

Level

Undergraduate

Overview

The Environmental Engineering minor is designed for students who wish to augment their major program of study with an exposure to engineering methods applied to key environmental problems facing modern society in developed and developing countries. The minor also offers students a brief experience and understanding of the roles that environmental engineering methods play in solving environmental problems.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average or better) and file a petition in the Office of Academic and Student Affairs, 6426 Boelter Hall.

Minor Requirements

The Minor

Complete one lower-division course and six upper-division courses as follows:

Required Lower-Division Course (4 units)

Select one course from:

- MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students
- MATH 32A - Calculus of Several Variables

Required Upper-Division Courses (24 units minimum)

Complete Civil Engineering 153 and five elective courses as follows:

- C&EE 153 - Introduction to Environmental Engineering Science

ELECTIVES

Select five courses from:

- C&EE 110 - Introduction to Probability and Statistics for Engineers
- C&EE 150 - Introduction to Hydrology
- C&EE 151 - Introduction to Water Resources Engineering
- C&EE 152 - Hydraulic and Hydrologic Design
- C&EE 154 - Chemical Fate and Transport in Aquatic Environments

C&EE 155 - Unit Operations and Processes for Water and Wastewater Treatment

C&EE 156A - Environmental Chemistry Laboratory

C&EE 156B - Environmental Engineering Unit Operations and Processes Laboratory

C&EE 157A - Hydrologic Modeling

C&EE 157B - Design of Water Treatment Plants

C&EE 157C - Design of Wastewater Treatment Plants

C&EE 157L - Hydrologic Analysis

C&EE C159 - Green Infrastructure

C&EE C164 - Sustainable Waste Management

C&EE M165 - Environmental Nanotechnology: Implications and Applications

C&EE M166 - Environmental Microbiology

CH ENGR 102A - Thermodynamics I

MECH&AE 103 - Elementary Fluid Mechanics

MECH&AE 105A - Introduction to Engineering Thermodynamics

Policies

The Minor Policies

Credit for Chemical Engineering 102A and Mechanical and Aerospace Engineering 105A is not allowed.

A minimum of 20 upper-division units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units applied toward the minor must be taken in residence at UCLA. Transfer credit for any of the above is subject to departmental approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have a minimum grade of C (2.0) in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Civil Engineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Civil and Environmental Engineering

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Overview

The Master of Science degree has the following areas of study: civil engineering materials, environmental engineering, geotechnical engineering, hydrology and water resources engineering, structural/earthquake engineering, structural mechanics, structures and civil engineering materials, transportation engineering.

The Doctor of Philosophy degree has the following major fields or subdisciplines: civil engineering materials, environmental engineering, geotechnical engineering, hydrology and water resources engineering, structural/earthquake engineering, structural mechanics, and transportation engineering.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Classics Overview

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College of Letters and Science

100 Dodd Hall
Box 951417
Los Angeles, CA 90095-1417

Classics
310-825-4171

David L. Blank, PhD, ***Chair***

The civilizations of ancient Greece and Rome are the focus of research and teaching in the Department of Classics. These areas of study are important in their own right and for their contributions to the political, cultural, intellectual, and artistic development of the Western world. To this end, the department offers a wide variety of interdisciplinary courses in classical civilization (multiple-listed in the departments of art history, philosophy, and political science departments), as well as elementary and advanced courses in ancient Greek and Latin language, literature, and linguistics. Classical civilization courses include such topics as Greek and Latin literature in translation (genres of epic, comedy, tragedy, biography), classical mythology, religion, law, gender and sexuality, politics, philosophy, art and archaeology, and the reception of the ancient world in modern cultures (cinema and classics).

Undergraduate Study

Students considering a major in the department should consult with the adviser as soon as possible in their UCLA career, but in no case later than the point at which they are about to take upper-division courses.

Note: Students in the Greek, Latin, and Greek and Latin majors are permitted to take Greek 200A, 200B, 200C and Latin 200A, 200B, 200C with consent of the instructor.

Graduate Study

Students can earn Master of Arts (MA) degrees in Classics (Greek and Latin), in Greek, or in Latin only after they have been admitted to the Doctor of Philosophy (PhD) program.

Subject Areas

Classics courses are in the following subject areas:

- **Classics**
- **Greek**
- **Latin**

Classics Faculty Roster

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Professors

David L. Blank, PhD
Francesca K. Martelli, DPhil
Kathryn A. Morgan, PhD *(Joan Palevsky Professor of Classics)*
Sarah P. Morris, PhD *(Steinmetz Professor of Classical Archaeology and Material Culture)*
John K. Papadopoulos, PhD
Alex C. Purves, PhD
Giulia Sissa, PhD
Gregory D. Woolf, PhD *(Ronald J. Mellor Professor of Ancient History)*

Professors Emeriti

Sander M. Goldberg, PhD
Robert A. Gurval, PhD
Michael W. Haslam, PhD
Steven Lattimore, PhD
Jaan Puhvel, PhD
Amy E. Richlin, PhD
Brent H. Vine, PhD *(A. Richard Diebold, Jr., Endowed Professor Emeritus)*

Associate Professors

Hannah Čulík-Baird, PhD

Chris J. Johanson, PhD

N. Bryant Kirkland, PhD

Assistant Professors

Sarah E. Beckmann, PhD

Ella H. Haselswerdt, PhD

Kelly Nguyen, PhD

Lydia M. Spielberg, PhD

Adriana M. Vazquez, PhD

Lecturers

Samuel D. Beckelhymer, PhD

Zachary P. Borst, PhD

Richard M. Ellis, PhD

Simos Zenios, PhD

Adjunct Associate Professor

Catherine Atherton, PhD

Major

Classical Civilization BA

College / School
College of Letters and Science

Department
Classics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The civilizations of ancient Greece and Rome have made important contributions to the political, social, artistic, and intellectual development of the Western world. The purpose of the Classical Civilization major is to provide students with a formal and balanced introduction to the historical and cultural experiences of

the ancient Greeks and Romans. The program of study is structured, yet not rigid. Lower-division survey courses and requirements in elementary language study, ancient history, and classical art establish an essential background of knowledge, while electives encourage individual and specialized interests. The program offers a broad range of courses in the fields of language, literature, history, mythology, religion, philosophy, art, and archaeology. The major serves as excellent and rewarding preparation for a professional career in medicine, law, business, journalism, communications, or the arts.

Capstone Major

The Classical Civilization major is a designated capstone major. Undergraduate students take a capstone seminar in which they use the skills and expertise acquired in earlier coursework to research, analyze, and complete a written paper or project. They identify and analyze ancient classical documents, material evidence, or other forms of primary sources and demonstrate their critical skills by engaging in presentations and weekly discourse with their peers.

Learning Outcomes

1. Demonstrated specific skills and expertise, including research, analysis, and writing
2. Identification and analysis of appropriate ancient sources, material evidence, and other primary documents appropriate to the field
3. Engagement with peers through presentation, discussion, and critique of student work
4. Conception and execution of a project that identifies and engages with a specialized topic
5. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Transfer Students

Transfer applicants to the Classical Civilization major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one classical Greek culture course, one Roman civilization course, and one course in Greek or Roman literature in translation, classical mythology, or classical archaeology.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Four courses as follows:

CLASSIC 10 - Discovering Greeks

CLASSIC 20 - Discovering Romans

Greek or Latin

Select one course from the following Greek or Latin options:

GREEK

GREEK 3 - Elementary Greek

GREEK 16 - Intensive First-Year Greek

LATIN

LATIN 3 - Elementary Latin

LATIN 16 - Intensive First-Year Latin

Elective

Select one course from:

CLASSIC 30 - Classical Mythology

CLASSIC 40W - Reading Greek Literature: Writing-Intensive

CLASSIC 41W - Reading Roman Literature: Writing-Intensive

CLASSIC 42 - Cinema and Ancient World

CLASSIC 51A - Art and Archaeology of Ancient Greece

CLASSIC 51B - Art and Archaeology of Ancient Rome

CLASSIC 60 - Fantastic Journey: Antiquity and Beyond

CLASSIC 88GE - General Education Seminar Sequences

The Major

Complete 10 courses as follows:

Required Upper-Division Courses in the Department

Students must complete nine upper-division courses in the department (courses in related fields not offered by the department may be substituted by petition and with approval of the undergraduate adviser)—no more than three may be selected from Greek 100 through 133 or Latin 100 through 133, and Classics 198A and 198B may be applied as only one course toward the major.

GREEK AND LATIN

Greek 100 through 133 and Latin 100 through 133

CLASSICS 198A AND 198B

CLASSIC 198A - Honors Research in Classics

CLASSIC 198B - Honors Research in Classics

Capstone Seminar

Complete the following course:

CLASSIC 191 - Capstone Seminar: Classics

Honors Program

All honors students are required to take Classics 191 (or an equivalent undergraduate seminar) in their junior year before beginning work on the honors thesis. Students must then enroll in Classics 198A and 198B in consecutive terms, in which they write the thesis under the direct supervision of a faculty member. They may take courses 198A and 198B concurrently or be exempt from course 198A only with approval of the faculty undergraduate adviser. In course 198A students submit an annotated bibliography and preliminary outline of their thesis. In course 198B, they submit at least one initial draft and the final revised version of the thesis. Only course 198B may be applied toward the upper-division classical civilization requirement for departmental majors.

CLASSIC 198A - Honors Research in Classics

CLASSIC 198B - Honors Research in Classics

Policies

The Major Policies

All other courses in the 190 series may be substituted only by petition.

Honors Program

Admission

The honors program is open to Classical Civilization majors with a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better. Students with lower GPAs may petition for admission to the program, but these grade-point averages must be achieved before graduation in order to qualify for honors.

Requirements

To qualify for graduation with departmental honors, students must (1) have a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better and (2) complete Classics 198A and 198B with grades of A- or better.

To qualify for graduation with departmental highest honors, students must (1) have a cumulative GPA of 3.85 or better in departmental courses and an overall GPA of 3.65 or better and (2) complete Classics 198A and 198B with grades of A.

Major

Greek and Latin BA

College / School
College of Letters and Science

Department
Classics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Greek and Latin major is a designated capstone major. Undergraduate students take a capstone seminar in which they use the skills and expertise acquired in earlier coursework to research, analyze, and complete a written paper or project. They identify and analyze ancient classical documents, material

evidence, or other forms of primary sources and demonstrate their critical skills by engaging in presentations and weekly discourse with their peers.

Learning Outcomes

1. Demonstrated specific skills and expertise, including research, analysis, and writing
2. Identification and analysis of appropriate ancient sources, material evidence, and other primary documents appropriate to the field
3. Engagement with peers through presentation, discussion, and critique of student work
4. Conception and execution of a project that identifies and engages with a specialized topic
5. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Transfer Students

Transfer applicants to the Greek and Latin major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one year of Greek and of Latin and related courses in civilization, culture, history, linguistics, literature, and closely related languages.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 10 courses as follows:

CLASSIC 10 - Discovering Greeks

CLASSIC 20 - Discovering Romans

GREEK 1 - Elementary Greek

GREEK 2 - Elementary Greek

GREEK 3 - Elementary Greek

GREEK 20 - Intermediate Greek I

LATIN 1 - Elementary Latin

LATIN 2 - Elementary Latin

LATIN 3 - Elementary Latin

LATIN 20 - Intermediate Latin I

Greek Substitution

Greek 16 may be substituted for Greek 1, 2, 3.

GREEK 16 - Intensive First-Year Greek

The Major

Complete 11 courses as follows: eight upper-division Greek and Latin courses, three upper-division courses in classical civilization and/or ancient history, and one capstone seminar.

Upper-Division Greek and Latin Courses

Complete eight upper-division Greek and Latin courses, of which at least four must be in each language, including Greek 110 or Latin 110.

GREEK 110 - Study of Greek Prose

LATIN 110 - Study of Latin Prose

COURSE SUBSTITUTIONS

Greek and/or Latin 197 and 199 may be applied only be petition.

GREEK 197 - Individual Studies in Greek

GREEK 199 - Directed Research in Greek

LATIN 197 - Individual Studies in Latin

LATIN 199 - Directed Research in Latin

Upper-Division Classical Civilization and/or Ancient History Courses

Select three upper-division courses in classical civilization and/or ancient history from:

CLASSICAL CIVILIZATION

Upper-division courses in classical civilization.

ANCIENT HISTORY

HIST 112A - History of Ancient Mediterranean World

HIST 112B - History of Ancient Mediterranean World

HIST M112C - History of Ancient Mediterranean World

HIST 112D - History and Monuments of Ancient Greece: Field Studies

HIST M112E - History and Monuments of Rome: Field Studies

HIST 113A - History of Ancient Greece: Rise of Greek City-State

HIST 113B - History of Ancient Greece: Classical Period

HIST 114A - History of Rome to Death of Caesar

HIST 114B - History of Rome from Death of Caesar to Time of Constantine

HIST 114C - History of Rome: Transformation of Classical World

HIST 115 - Topics in Ancient History

Capstone Seminar

Complete the following course:

CLASSIC 191 - Capstone Seminar: Classics

Honors Program

All honors students are required to take Classics 191 (or an equivalent undergraduate seminar) in their junior year before beginning work on the honors thesis. Students must then enroll in Classics 198A and

198B in consecutive terms, in which they write the thesis under the direct supervision of a faculty member. They may take courses 198A and 198B concurrently or be exempt from course 198A only with approval of the faculty undergraduate adviser. In course 198A students submit an annotated bibliography and preliminary outline of their thesis. In course 198B, they submit at least one initial draft and the final revised version of the thesis. Only course 198B may be applied toward the upper-division classical civilization requirement for departmental majors.

CLASSIC 198A - Honors Research in Classics

CLASSIC 198B - Honors Research in Classics

Policies

The Major Policies

Courses in related fields not offered by the department may be substituted by petition and with approval of the faculty undergraduate adviser.

Honors Program

Admission

The honors program is open to Greek and Latin majors with a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better. Students with lower GPAs may petition for admission to the program, but these grade-point averages must be achieved before graduation in order to qualify for honors.

Requirements

To qualify for graduation with departmental honors, students must (1) have a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better and (2) complete Classics 198A and 198B with grades of A- or better.

To qualify for graduation with departmental highest honors, students must (1) have a cumulative GPA of 3.85 or better in departmental courses and an overall GPA of 3.65 or better and (2) complete Classics 198A and 198B with grades of A.

Major

Greek BA

College / School
College of Letters and Science

Department
Classics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Greek major is a designated capstone major. Undergraduate students take a capstone seminar in which they use the skills and expertise acquired in earlier coursework to research, analyze, and complete a written paper or project. They identify and analyze ancient classical documents, material evidence, or

other forms of primary sources and demonstrate their critical skills by engaging in presentations and weekly discourse with their peers.

Learning Outcomes

1. Demonstrated specific skills and expertise, including research, analysis, and writing
2. Identification and analysis of appropriate ancient sources, material evidence, and other primary documents appropriate to the field
3. Engagement with peers through presentation, discussion, and critique of student work
4. Conception and execution of a project that identifies and engages with a specialized topic
5. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Transfer Students

Transfer applicants to the Greek major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one year of Greek and related courses in civilization, culture, history, linguistics, literature, and closely related languages.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Six courses as follows:

CLASSIC 10 - Discovering Greeks

CLASSIC 20 - Discovering Romans

Greek

Select one series in elementary Greek, and one course in intermediate Greek:

ELEMENTARY GREEK

Select Greek 1, 2, and 3, or 16:

Greek 1, 2, and 3

GREEK 1 - Elementary Greek

GREEK 2 - Elementary Greek

GREEK 3 - Elementary Greek

Greek 16

Greek 16 may be substituted for Greek 1, 2, 3.

GREEK 16 - Intensive First-Year Greek

INTERMEDIATE GREEK

GREEK 20 - Intermediate Greek I

The Major

Complete 11 courses as follows: seven upper-division Greek courses, including course 110; three upper-division courses in classical civilization and/or ancient history; and one capstone seminar.

Upper-Division Greek Courses

Complete seven upper-division Greek courses, including course 110.

GREEK 110 - Study of Greek Prose

COURSE SUBSTITUTIONS

Greek 197 and 199 may be applied only by petition.

GREEK 197 - Individual Studies in Greek

GREEK 199 - Directed Research in Greek

Upper-Division Classical Civilization and/or Ancient History Courses

Select three upper-division courses in classical civilization and/or ancient history:

CLASSICAL CIVILIZATION

Upper-division courses in classical civilization.

ANCIENT HISTORY

HIST 112A - History of Ancient Mediterranean World

HIST 112B - History of Ancient Mediterranean World

HIST M112C - History of Ancient Mediterranean World

HIST 112D - History and Monuments of Ancient Greece: Field Studies

HIST M112E - History and Monuments of Rome: Field Studies

HIST 113A - History of Ancient Greece: Rise of Greek City-State

HIST 113B - History of Ancient Greece: Classical Period

HIST 114A - History of Rome to Death of Caesar

HIST 114B - History of Rome from Death of Caesar to Time of Constantine

HIST 114C - History of Rome: Transformation of Classical World

HIST 115 - Topics in Ancient History

Capstone Seminar

Complete the following course:

CLASSIC 191 - Capstone Seminar: Classics

Honors Program

All honors students are required to take Classics 191 (or an equivalent undergraduate seminar) in their junior year before beginning work on the honors thesis. Students must then enroll in Classics 198A and 198B in consecutive terms, in which they write the thesis under the direct supervision of a faculty

member. They may take courses 198A and 198B concurrently or be exempt from course 198A only with approval of the faculty undergraduate adviser. In course 198A students submit an annotated bibliography and preliminary outline of their thesis. In course 198B, they submit at least one initial draft and the final revised version of the thesis. Only course 198B may be applied toward the upper-division classical civilization requirement for departmental majors.

CLASSIC 198A - Honors Research in Classics

CLASSIC 198B - Honors Research in Classics

Policies

The Major Policies

Courses in related fields not offered by the department may be substituted by petition and with approval of the faculty undergraduate adviser.

Honors Program

Admission

The honors program is open to Greek majors with a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better. Students with lower GPAs may petition for admission to the program, but these grade-point averages must be achieved before graduation in order to qualify for honors.

Requirements

To qualify for graduation with departmental honors, students must (1) have a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better and (2) complete Classics 198A and 198B with grades of A– or better.

To qualify for graduation with departmental highest honors, students must (1) have a cumulative GPA of 3.85 or better in departmental courses and an overall GPA of 3.65 or better and (2) complete Classics 198A and 198B with grades of A.

Major

Latin BA

College / School
College of Letters and Science

Department
Classics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Latin major is a designated capstone majors. Undergraduate students take a capstone seminar in which they use the skills and expertise acquired in earlier coursework to research, analyze, and complete a written paper or project. They identify and analyze ancient classical documents, material evidence, or

other forms of primary sources and demonstrate their critical skills by engaging in presentations and weekly discourse with their peers.

Learning Outcomes

1. Demonstrated specific skills and expertise, including research, analysis, and writing
2. Identification and analysis of appropriate ancient sources, material evidence, and other primary documents appropriate to the field
3. Engagement with peers through presentation, discussion, and critique of student work
4. Conception and execution of a project that identifies and engages with a specialized topic
5. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Transfer Students

Transfer applicants to the Latin major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one year of Latin and related courses in civilization, culture, history, linguistics, literature, and closely related languages.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete the following six courses:

CLASSIC 10 - Discovering Greeks

CLASSIC 20 - Discovering Romans

LATIN 1 - Elementary Latin

LATIN 2 - Elementary Latin

LATIN 3 - Elementary Latin

LATIN 20 - Intermediate Latin I

Latin Substitution

Latin 16 may be substituted for Latin 1, 2, 3.

LATIN 16 - Intensive First-Year Latin

The Major

Complete 11 courses as follows: seven upper-division Latin courses, including course 110; three upper-division courses in classical civilization and/or ancient history; and one capstone seminar.

Upper-Division Latin Courses

Complete seven upper-division Latin courses, including course 110.

LATIN 110 - Study of Latin Prose

COURSE SUBSTITUTIONS

Latin 197 and 199 may be applied only be petition.

LATIN 197 - Individual Studies in Latin

LATIN 199 - Directed Research in Latin

Upper-Division Classical Civilization and/or Ancient History Courses

Select three upper-division courses in classical civilization and/or ancient history:

CLASSICAL CIVILIZATION

Upper-division courses in classical civilization.

ANCIENT HISTORY

HIST 112A - History of Ancient Mediterranean World

HIST 112B - History of Ancient Mediterranean World

HIST M112C - History of Ancient Mediterranean World

HIST 112D - History and Monuments of Ancient Greece: Field Studies

HIST M112E - History and Monuments of Rome: Field Studies

HIST 113A - History of Ancient Greece: Rise of Greek City-State

HIST 113B - History of Ancient Greece: Classical Period

HIST 114A - History of Rome to Death of Caesar

HIST 114B - History of Rome from Death of Caesar to Time of Constantine

HIST 114C - History of Rome: Transformation of Classical World

HIST 115 - Topics in Ancient History

Capstone Seminar

Complete the following course:

CLASSIC 191 - Capstone Seminar: Classics

Honors Program

All honors students are required to take Classics 191 (or an equivalent undergraduate seminar) in their junior year before beginning work on the honors thesis. Students must then enroll in Classics 198A and 198B in consecutive terms, in which they write the thesis under the direct supervision of a faculty member. They may take courses 198A and 198B concurrently or be exempt from course 198A only with approval of the faculty undergraduate adviser. In course 198A students submit an annotated bibliography and preliminary outline of their thesis. In course 198B, they submit at least one initial draft and the final revised version of the thesis. Only course 198B may be applied toward the upper-division classical civilization requirement for departmental majors.

CLASSIC 198A - Honors Research in Classics

CLASSIC 198B - Honors Research in Classics

Policies

The Major Policies

Courses in related fields not offered by the department may be substituted by petition and with approval of the faculty undergraduate adviser.

Honors Program

Admission

The honors program is open to Latin majors with a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better. Students with lower GPAs may petition for admission to the program, but these grade-point averages must be achieved before graduation in order to qualify for honors.

Requirements

To qualify for graduation with departmental honors, students must (1) have a cumulative grade-point average of 3.5 or better in departmental courses and an overall GPA of 3.25 or better and (2) complete Classics 198A and 198B with grades of A- or better.

To qualify for graduation with departmental highest honors, students must (1) have a cumulative GPA of 3.85 or better in departmental courses and an overall GPA of 3.65 or better and (2) complete Classics 198A and 198B with grades of A.

Minor

Classical Civilization Minor

College / School
College of Letters and Science

Department
Classics

Level

Undergraduate

Overview

The Classical Civilization minor is designed to recognize a serious commitment to the study of the cultures and civilizations of ancient Greece and Rome. Lower-division survey courses in historical studies, classical literature, mythology, and film provide an essential introduction to the imagination and power of the ancient world. Students may fulfill upper-division requirements from a variety of courses in classical civilization and related fields, including political and social history, literature, art and archaeology, religion, mythology, philosophy, and cultural studies of ethnicity, gender, and sexuality in antiquity.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Complete eight courses as follows:

Required Lower-Division Courses (15 units)

Complete two required courses and one additional course as follows:

CLASSIC 10 - Discovering Greeks

CLASSIC 20 - Discovering Romans

ADDITIONAL COURSE

Select one course from:

CLASSIC 30 - Classical Mythology

CLASSIC 40W - Reading Greek Literature: Writing-Intensive

CLASSIC 41W - Reading Roman Literature: Writing-Intensive

CLASSIC 42 - Cinema and Ancient World

CLASSIC 51A - Art and Archaeology of Ancient Greece

CLASSIC 51B - Art and Archaeology of Ancient Rome

CLASSIC 60 - Fantastic Journey: Antiquity and Beyond

Required Upper-Division Courses (20 units)

Complete five upper-division courses in classical civilization offered by the department.

Policies

The Minor Policies

One course in a related field may be substituted with approval of the faculty undergraduate adviser. Classics 191 may be applied, but all other courses in the 190 series may be substituted only by petition.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Greek Language and Culture Minor

College / School
College of Letters and Science

Department
Classics

Level

Undergraduate

Overview

The Greek Language and Culture minor is designed to recognize a serious commitment to the study of ancient or modern Greek. After completing either lower-division ancient Greek (Greek 2, 3, 20) or modern Greek (Greek 9A, 9B, 9C), students select departmental upper-division courses centered on Greek texts, culture, and contexts. Students may take reading courses in ancient Greek prose and poetry that provide close analysis of individual texts, with attention to their historical, literary, and cultural context, and/or they may choose to take courses in Byzantine or modern Greek or courses in translation that ground their language training within the broader scope of Hellenic studies.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (12 or 14 units)

Select one Greek language series through the intermediate level from:

GREEK

GREEK 2 - Elementary Greek

GREEK 3 - Elementary Greek

GREEK 20 - Intermediate Greek I

INTENSIVE GREEK

GREEK 16 - Intensive First-Year Greek

GREEK 20 - Intermediate Greek I

MODERN GREEK

GREEK 9A - Intermediate Modern Greek

GREEK 9B - Intermediate Modern Greek

GREEK 9C - Intermediate Modern Greek

Required Upper-Division Courses (20 units)

Complete five courses as follows: two courses selected from Greek 100 through 187; three additional upper-division courses in Greek or classical civilization.

UPPER-DIVISION GREEK COURSES

Select two courses selected from Greek 100 through 187:

Greek 100 through 187

UPPER-DIVISION CLASSICAL CIVILIZATION COURSES

Upper-division courses in classical civilization may apply.

Nondepartmental Courses

Courses in related fields not offered by the department may be substituted by petition and with approval of the undergraduate adviser. Up to three of the courses listed here will be automatically approved.

ART HIS CM115A - Late Antique Art and Architecture

ART HIS C116A - Middle Byzantine Art and Architecture

ART HIS C116B - Late Byzantine Art and Architecture

COM LIT 102 - Classical Tradition: Epic

COM LIT 106 - Archetypal Heroes in Literature

COM LIT M120 - Women and Literature in Southeastern Europe

HIST 112B - History of Ancient Mediterranean World

HIST 112D - History and Monuments of Ancient Greece: Field Studies

HIST 113A - History of Ancient Greece: Rise of Greek City-State

HIST 113B - History of Ancient Greece: Classical Period

HIST 116A - Byzantine History

HIST 116B - Byzantine History

HIST M185G - Religious Environment of Early Christians

I E STD M150 - Introduction to Indo-European Linguistics

I E STD C160 - Indo-European Comparative Mythology and Poetics

PHILOS 100A - History of Greek Philosophy

Policies

The Minor Policies

Courses in related fields not offered by the department may be substituted by petition and with approval of the undergraduate adviser.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Latin Language and Culture Minor

College / School
College of Letters and Science

Department
Classics

Level

Undergraduate

Overview

The Latin Language and Culture minor is designed to recognize a serious commitment to the study of the Latin language. After a year of elementary Latin (Latin 1, 2, 3) or its equivalent, students select departmental upper-division reading courses in classical (and/or late antique and medieval) Latin prose and poetry that provide close analysis of individual texts, with attention to their historical, literary, and cultural context and/or they may choose to take courses in translation that ground their language training within the broader scope of Roman studies and classical reception.

Subjects of study include Roman comedy, epic, lyric, elegy, satire, history, rhetoric, philosophy, epistolography, and the novel.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (14 units)

Complete the following three courses:

LATIN 2 - Elementary Latin

LATIN 3 - Elementary Latin

LATIN 20 - Intermediate Latin I

LATIN SUBSTITUTION

Latin 16 may be substituted for Latin 2 and 3.

LATIN 16 - Intensive First-Year Latin

Required Upper-Division Courses (20 units)

Complete five courses as follows: two courses selected from Latin 100 through 187; three additional upper-division courses in Latin or classical civilization.

UPPER-DIVISION LATIN COURSES

Select two courses selected from Latin 100 through 187:

Latin 100 through 187

UPPER-DIVISION CLASSICAL CIVILIZATION COURSES

Upper-division courses in classical civilization may apply.

Policies

The Minor Policies

Courses in related fields not offered by the department may be substituted by petition and with approval of the undergraduate adviser.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Classics MA, CPhil, PhD

College / School
College of Letters and Science

Department
Classics

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Arts, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Greek MA

College / School
College of Letters and Science

Department
Classics

Degree Level
Graduate

Degree Objective
Master of Arts

Overview

The Master of Arts degree in Greek may only be earned after students have been admitted to the PhD program in Classics.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Latin MA

College / School
College of Letters and Science

Department
Classics

Degree Level
Graduate

Degree Objective
Master of Arts

Overview

The Master of Arts degree in Latin may only be earned after students have been admitted to the PhD program in Classics.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Cluster Program Overview

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College of Letters and Science

A265 Murphy Hall
Box 951571
Los Angeles, CA 90095-1571

Cluster Program
310-206-0831

Anthony R. Friscia, PhD, ***Director***
Vilma Ortiz, PhD, ***Chair***

Cluster courses are an option for satisfying both general education and Writing II requirements. Clusters are yearlong, collaboratively taught, interdisciplinary courses that focus on a topic of timely importance, such as the global environment or interracial dynamics. The courses are taught by some of the most distinguished UCLA faculty members and seasoned graduate students. During fall and winter quarters, students attend lecture courses and small discussion sections and/or laboratories. In spring quarter, the same students enroll in one of a number of satellite seminars dealing with topics related to the cluster theme.

Freshman clusters are designed to strengthen the writing, quantitative reasoning, critical thinking, and information literacy skills that students need to excel at UCLA. At the conclusion of the entire yearlong cluster, students complete 40 to 50 percent of their general education course requirements (if they maintain a D- or better each quarter) and fulfill the Writing II requirement (if they earn a C or better in spring quarter). Cluster students are eligible for three terms of honors credit, with the spring quarter seminar granting Honors Collegium credit.

For the current cluster course offerings and general education credit, refer to the **Cluster Program** website.

Cluster Program Faculty Committee

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Jeffrey L. Decker, PhD *(English)*
Anthony R. Friscia, PhD *(Integrative Biology and Physiology)*
Sarah (Sally) L. Gibbons, DPhil *(Society and Genetics)*
Martie G. Haselton, PhD *(Communication, Psychology, Society and Genetics)*
Paul T. Hsu, MPH, PhD *(Epidemiology, Medicine–General and Health Services)*
Jennifer A. Jay, PhD *(Civil and Environmental Engineering, Environment and Sustainability)*
Vilma Ortiz, PhD *(Sociology)*
Michael Osman, MArch, PhD *(Architecture and Urban Design)*
Michelle A. Rensel, PhD *(Society and Genetics)*
Juliette A. Williams, PhD *(Gender Studies)*
Luke B. Yarbrough, PhD *(Near Eastern Languages and Cultures)*

Communication Overview

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College of Letters and Science

2225 Rolfe Hall
Box 951538
Los Angeles, CA 90095-1538

Communication
310-825-1703
Department e-mail

Gregory A. Bryant, PhD, ***Chair***
PJ Lamberson, PhD, ***Vice Chair***

The Department of Communication is an interdisciplinary group of scholars interested in communication at many levels of analysis, including digital and mass media, political communication, and interpersonal social interaction.

Communication Faculty Roster

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Professors

Mario Biagioli, PhD
Gregory A. Bryant, PhD
Steven E. Clayman, PhD
Richard A. Dale, PhD *(Mark Allen Itkin Centennial Professor of Communication Honoring Andrea L. Rich)*
Tim J. Groeling, PhD
Martie G. Haselton, PhD
Kerri L. Johnson, PhD
Stuart N. Soroka, PhD
Steven J. Stroessner, PhD
Lynn Vavreck, PhD *(Marvin Hoffenberg Professor of American Politics and Public Policy)*
Anne S. Warlaumont, PhD

Professors Emeriti

Neil M. Malamuth, PhD
John H. Schumann, PhD

Associate Professors

Tao Gao, PhD
Jungseock Joo, PhD

Georgia C. Kernell, PhD
PJ Lamberson, PhD
Francis F. Steen, PhD

Assistant Professor

Elisa Kreiss, PhD

Senior Lecturers

Marde S. Gregory, MA, *Emerita*
Steven M. Peterson, PhD
Paul Von Blum, JD, *Emeritus*

Lecturers

Nushin Arbabzadah, MPhil
Robert M. Carpenter, PhD
Celia B. McLean, MBA
Mark A. Huppin, JD, PhD
Brian S. Hurwitz, MA
Gabriel B. Jones, PhD
Karyl K. Kicenski, PhD
Nazo L. Koulloukian, JD
Marina L. Litvinsky, PhD
James S. Newton, BA
Michael W. Suman, PhD

Adjunct Assistant Professors

Abigail H. Goldman, MS
Barry A. Sanders, JD

Major

Communication BA

College / School
College of Letters and Science

Department
Communication

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major in Communication is an interdisciplinary curriculum leading to a Bachelor of Arts (BA) degree. It seeks to provide students with comprehensive knowledge of the nature of human communication at multiple levels of analysis. The major coursework includes content from the natural and social sciences,

as well as the humanities. Four areas of focus are offered: communication technology and digital systems, interpersonal communication, mass communication and media institutions, and political and legal communication.

Learning Outcomes

1. Demonstrated mastery of substantive areas of the field, including mass communication and media institutions, interpersonal communication, communication technology and digital systems, and political and legal communication
2. Placement of particular communication events or examples in the context of broader patterns of human activity
3. Critical evaluation of arguments based on evidence
4. Design and implementation of original research projects
5. Completion, using acquired knowledge and skills, of a project that demonstrates core competencies in the field
6. Active participation in learning-in-practice opportunities
7. Evaluation and critique of oral presentations
8. Demonstrated mastery of conceptualization, formulation, and oral presentation of the student's own ideas

Entry to the Major

Admission

Enrollment in the major is limited. Admission to the major is by application to the committee in charge. Applications are available on the department website to regularly enrolled UCLA students during spring quarter.

Transfer Students

Transfer applicants to the Communication major with 90 or more units must complete at least four of the following seven lower-division required courses: Communication 10 or one interpersonal communication and one mass communication course, one public address course, one linguistics course, one statistics course, and three courses from psychology, American government, sociology, and microeconomics or political economy.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete seven courses as follows. Students are encouraged but not required to complete as many lower-division preparation for the major courses as possible before admission to the program.

Communication

Complete the following two courses:

COMM 1 - Principles of Oral Communication

COMM 10 - Introduction to Communication

Anthropology 4 or Linguistics 1 or Philosophy 23

Select one course from:

ANTHRO 4 - Culture and Communication

LING 1 - Introduction to Study of Language

PHILOS 23 - Meaning and Communication

Economics 41 or Statistics 10

Select one course from:

ECON 41 - Probability and Statistics for Economists

STATS 10 - Introduction to Statistical Reasoning

Electives

Select three additional courses from the following. Only one course from Economics 1, 5, or Political Science 30 may be applied.

POL SCI 40 - Introduction to American Politics

PSYCH 10 - Introductory Psychology

SOCIOL 1 - Introductory Sociology

ECON 1 - Principles of Economics

ECON 5 - Economics for Everyone

POL SCI 30 - Politics and Strategy

The Major

Complete 10 or 11 upper-division courses, including Communication 100 and 150, as follows. The practicum requirement can be satisfied by a course that also satisfies a core or an additional area elective course requirement.

COMM 100 - Communication Science

COMM 150 - Methodologies in Communication Research

Areas

Complete a total of eight courses from the following four areas, including at least one core course in each area:

COMMUNICATION TECHNOLOGY AND DIGITAL SYSTEMS

Core

COMM 131 - Computer Models of Communicators

COMM 151 - Computer-Mediated Communication

COMM 155 - Artificial Intelligence and New Media

COMM 156 - Social Networking

COMM 159 - Artificial Intelligence and Society

Electives

COMM 157 - Celebrity, Fame, and Social Media

COMM 188C - Variable Topics in Communication Technology and Digital Systems

COMM 191C - Variable Topics Research Seminars: Communication Technology and Digital Systems

INTERPERSONAL COMMUNICATION

Core

COMM 110 - Gender and Communication

COMM 111 - Conflict and Communication

COMM M113 - Nonverbal Communication and Body Language

COMM 114 - Understanding Relationships

COMM 115 - Interpersonal Dynamics

COMM 120 - Group Communication

COMM 121 - Communication Development

COMM 122 - Visual Communication

COMM M123 - Social Cognition

COMM 126 - Evolution of Interpersonal Communication

Electives

Only one course of Psychology 135 or Sociology 132 may be applied.

ANTHRO 136A - Introduction to Psychological Anthropology: Historical Development

ANTHRO M150 - Language in Culture

ANTHRO 151 - Ethnography of Everyday Speech

COMM 108 - Communication and Identity

COMM 109 - Entrepreneurial Communication

COMM M117 - Negotiation

COMM 118 - Language and Music

COMM 119 - Voice and Its Perception

COMM M125 - Talk and Social Institutions

COMM M127 - Animal Communication

COMM 131 - Computer Models of Communicators

COMM M144A - Conversational Structures I

COMM M144B - Conversational Structures II

COMM 188B - Variable Topics in Interpersonal Communication

COMM 191B - Variable Topics Research Seminars: Interpersonal Communication

LING 103 - Introduction to General Phonetics

LING 170 - Language and Society: Introduction to Sociolinguistics

PHILOS 172 - Philosophy of Language and Communication

PSYCH 135 - Social Psychology

PSYCH 137C - Intimate Relationships

PSYCH M165 - Psychology of Gender

PSYCH 177 - Counseling Relationships

SOCIOL 132 - Social Psychology: Sociological Approaches

SOCIOL 134 - Culture and Personality

SOCIOL 156 - Race and Ethnicity in American Life

MASS COMMUNICATION AND MEDIA INSTITUTIONS

Core

COMM 140 - Theory of Persuasive Communication

COMM M147 - Sociology of Mass Communication

COMM 152 - Analysis of Communication Effects

COMM 187 - Ethical and Policy Issues in Institutions of Mass Communication

Electives

ASIA AM 172C - Transnational Bollywood

COMM 105 - Media Conspiracy Theories in U.S. and Middle East

COMM 106 - Reporting America

COMM 107 - Terrorism in Journalism

COMM 130 - Science of Language

COMM 132 - Multicultural Television

COMM 141 - Films of Persuasion: Social and Political Advocacy in Mass Society

COMM 143 - Rhetoric of Popular Culture

COMM 145 - Television Sitcom and American Culture

COMM 146 - Evolution of Mass Media Images

COMM 148 - Marketing Communications

COMM M149 - Media: Gender, Race, Class, and Sexuality

COMM M165 - Agitational Communication

COMM 166 - Inside Hollywood

COMM M169 - Critical Vision: History of Art as Social and Political Commentary

COMM 175 - Criticism and Public Arts

COMM 179 - Images of U.S.

COMM 182 - Nonverbal Communication in Architecture

COMM 186 - Media, Ethics, and Digital Age: Case-Study Approach

COMM 187 - Ethical and Policy Issues in Institutions of Mass Communication

COMM 188A - Variable Topics in Mass Communication and Media Institutions

COMM 191A - Variable Topics Research Seminars: Mass Communication and Media Institutions

FILM TV 108 - History of Documentary Film

POL SCI M142D - Understanding Public Issue Life Cycle

POLITICAL AND LEGAL COMMUNICATION

Core

COMM 101 - Freedom of Communication

COMM 160 - Political Communication

COMM 168 - Communication and Media Law

COMM 170 - Legal Communication

COMM 174 - Entertainment and Politics

Electives

Only one course of Political Science 141B or Sociology 133 may be applied.

COMM 102 - Principles of Argumentation

COMM 163 - Public Diplomacy

COMM 171 - Theories of Freedom of Speech and Press

COMM 173 - Affect and Emotion in Political Communication

COMM M176 - Visual Communication and Social Advocacy

COMM 178 - Propaganda and Media

COMM 188D - Variable Topics in Political and Legal Communication

COMM 191D - Variable Topics Research Seminars: Political and Legal Communication

POL SCI M141A - Electoral Politics: Political Psychology

POL SCI 141B - Electoral Politics: Public Opinion and Voting Behavior

POL SCI 141E - Electoral Politics: Elections, Media, and Strategy

SOCIOL 133 - Collective Behavior

REQUIRED PRACTICUM

Select one course from:

COMM 101 - Freedom of Communication

COMM 102 - Principles of Argumentation

COMM 109 - Entrepreneurial Communication

COMM 111 - Conflict and Communication

COMM M117 - Negotiation

COMM 155 - Artificial Intelligence and New Media

COMM 160 - Political Communication

COMM M176 - Visual Communication and Social Advocacy

COMM 188E - Variable Topics: Practicum

COMM 191E - Variable Topics Research Seminars: Practicum

Honors Program

The departmental honors program provides exceptional students an opportunity for advanced research and study, under the guidance of a faculty member, that leads to the completion of an honors thesis. To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.6 or better in upper-division coursework in the major and an overall GPA of 3.3 or better in all completed UC coursework, (3) complete Communication 198A, 198B, and 198C, and (4) produce a completed satisfactory honors thesis (as determined by a recommendation of their thesis adviser and final approval by the department chair). Contact the student affairs officer for more information.

COMM 198A - Honors Research in Communication Studies

COMM 198B - Honors Research in Communication Studies

COMM 198C - Honors Research in Communication Studies

Computing Specialization

Majors in Communication may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the major and completing the following requirements:

Program in Computing or Computer Science

Select one set of courses from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Additional Courses

Select four courses (at least one of which must be in communication) from:

COMM 122 - Visual Communication

COMM 131 - Computer Models of Communicators

COMM 151 - Computer-Mediated Communication

COMM 153 - Introduction to Data Science

COMM 155 - Artificial Intelligence and New Media

COMM 156 - Social Networking

COMM 159 - Artificial Intelligence and Society

COMPTNG 10C - Advanced Programming

COMPTNG 16A - Python with Applications I

COMPTNG 16B - Python with Applications II

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

Policies

Computing Specialization Policies

Courses need to be completed with a grade of C– or better in each course and a combined grade-point average of at least 2.0. Students must petition for admission to the program and are advised to do so after they complete Program in Computing 10B or Computer Science 32 (petitions should be filed in the Counseling Office). Students graduate with a bachelor’s degree in Communication and a specialization in Computing.

Major

Communication MS, PhD

College / School
College of Letters and Science

Department
Communication

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Overview

The program's core areas of specialization include: communication and cognition, political communication, and computational communication. Students are trained in the core of communication scholarship by

engaging in coursework and research that aligns with the broader discipline.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Community Engagement and Social Change Overview

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Interdisciplinary Minor
College of Letters and Science

A265 Murphy Hall
Box 951571
Los Angeles, CA 90095-1571

Community Engagement and Social Change
310-825-7867
E-mail contact

Andrew G. Atkeson, PhD, ***Chair***

The Community Engagement and Social Change minor is designed to provide students with a core analytical, experiential, and theoretical framework for understanding three intersecting dimensions of civic engagement at the local level: issues of social inequality, modes of social change, and the community in which the engagement takes place. The minor can be paired with any major as an applied and active way of putting disciplinary tools to use, and is intended for highly motivated students of any ideological perspective who are committed to education among a broader community of learners.

Students complete a core curriculum, elective courses, a course on a strategy of social change, and a community-engaged capstone research project examining a social issue in a specific Los Angeles community context.

Community Engagement and Social Change Faculty Committee

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Andrew G. Atkeson, PhD *(Economics)*
Jennifer A. Jay, PhD *(Civil and Environmental Engineering, Environment and Sustainability)*
Rashmita S. Mistry, PhD *(Education)*
Amy E. Ritterbusch, PhD *(Social Welfare)*
Rafael Romero, PhD *(Biomedical Research)*
Ananya Roy, PhD *(Geography, Social Welfare, Urban Planning)*
David Delgado Shorter, PhD *(Anthropology, Gender Studies, World Arts and Cultures/Dance)*

Minor

Community Engagement and Social Change Minor

College / School

College of Letters and Science

Department

Community Engagement and Social Change

Level

Undergraduate

Overview

The minor is an interdisciplinary program that creates a unique opportunity for students to examine social inequality and strategies for social change through sustained community engagement in Los Angeles and beyond. It complements any major.

Students have a lower-division or upper-division option for their gateway community-engaged course in the minor, then choose two additional community-engaged learning experiences, a strategy for social

change course, and an upper-division elective.

Capstone

Students complete a two-quarter capstone course series in which they learn about different forms of community-engaged research that is conducted with and to benefit a community partner. Working in collaboration with a non-profit organization, students prepare a community-engaged research proposal and then complete a research paper. Integrated into the capstone course, students develop an e-Portfolio that conveys their journey through the minor.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, submit a completed application, and submit a written statement describing how civic engagement relates to their academic interests or career goals. Digital applications are available.

Minor Requirements

The Minor

Complete a total of 29 to 34 units as follows:

Required Core (17 to 20 units)

COMMUNITY ENGAGEMENT AND SOCIAL CHANGE

Complete one of the following courses with a grade of B or better:

CESC 50XP - Engaging Los Angeles

CESC 100XP - Perspectives on Civic Engagement for Social Justice

COMMUNITY-ENGAGED COURSES

Select two additional community-engaged courses (at least one of which must be upper division). May select any 195CE course, or other courses that include a substantive community-

engagement experience.

AM IND C122XP - Working in Tribal Communities: Community-Engaged Learning

ANTHRO 116XP - Collaborative and Community-Engaged Archaeology

ARTS ED M192XP - Arts Education Undergraduate Practicum and Capstone Project

ASIA AM 104A - Field Studies Methods in Asian Pacific Communities

ASIA AM 104B - Special Internships in Asian Pacific Communities

ASIA AM 140XP - Power to People: Asian American and Pacific Islander Community-Based Learning

ASIA AM M166A - Immigrant Rights, Labor, and Higher Education

ASIA AM M166B - Research on Immigration Rights, Labor, and Higher Education

ASIA AM M166C - Research on Immigrant Students and Higher Education

CCAS 100XP - Barrio Organization and Service Learning

CCAS M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

CCAS M134XP - Engaging Immigrants and Their Families

CCAS M156A - Immigrant Rights, Labor, and Higher Education

CCAS M156B - Research on Immigration Rights, Labor, and Higher Education

CCAS M156C - Research on Immigrant Students and Higher Education

CCAS M167XP - Taking It to Street: Spanish in Community

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 105XP - Client-Based Program Evaluation and Research

CESC 108XP - Introduction to Early Childhood Education: Civic Engagement Perspectives

CESC M110XP - Community-Based Studies of Popular Literature

CESC 133XP - Topics in Community-Engaged Research: Theory and Practice

CESC M134XP - Engaging Immigrants and Their Families

CESC 163SL - Civic Engagement and Public Use of Knowledge: Special Topics

CESC 165XP - Storytelling for Social Justice: Research and Writing with Nonprofit Organizations

CESC M170XP - Food Studies and Food Justice in Los Angeles

CESC M175SL - Addressing Social Determinants in Racial/Ethnic Minority Communities to Reduce and Prevent Health Disparities

CESC M188XP - Practicum in Social Entrepreneurship

ECON 173AX - Introduction to Social Entrepreneurship

ECON 173BX - Introduction to Social Entrepreneurship

ECON M188XP - Practicum in Social Entrepreneurship

EDUC M129XP - Arts Education Undergraduate Practicum and Capstone Project

EDUC 130AX - Instructional Apprenticeship in Teaching and Learning at UCLA Lab School

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

ENGL M115XP - Community-Based Studies of Popular Literature

FOOD ST M170XP - Food Studies and Food Justice in Los Angeles

GENDER 120SL - Feminist Praxis: Community-Based Learning

HIST M181SL - Jewish Thought, Politics, and Ethics: From Theory to Practice

HNRS 127 - Citizenship, Leadership, and Service

JEWISH M181SL - Jewish Thought, Politics, and Ethics: From Theory to Practice

LBR STD M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

LBR STD M134XP - Engaging Immigrants and Their Families

LBR STD M166A - Immigrant Rights, Labor, and Higher Education

LBR STD M166B - Research on Immigration Rights, Labor, and Higher Education

LBR STD M166C - Research on Immigrant Students and Higher Education

LGBTQS 180XP - Lesbian, Gay, Bisexual, and Transgender Institutions and Organizations

MATH 73XP - Key Issues in K-12 Mathematics

MATH 74XP - Mathematics and Pedagogy for Teaching Elementary Mathematics

MATH 75XP - Mathematics and Pedagogy for Teaching Middle School Mathematics

PSYCH M176SL - Addressing Social Determinants in Racial/Ethnic Minority Communities to Reduce and Prevent Health Disparities

SCI EDU 100XP - Classroom Practices in High School Science

SPAN M165XP - Taking It to Street: Spanish in Community

STATS 140XP - Practice of Statistical Consulting

STATS 141XP - Practice of Statistical Consulting

STATS M171 - Introduction to Spatial Statistics

URBN PL M171 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

URBN PL 185XP - Community-Based Research in Planning

WL ARTS 177XP - Taking Action: Arts Practice and Community Service

UPPER-DIVISION ELECTIVE

Select one upper-division elective course from the community-engaged courses or from the following list. May include courses that meet requirements for the UCLA Quarter in Washington program or the UC Center Sacramento program.

AF AMER M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

AF AMER M173 - Nonviolence and Social Movements

AM IND C121 - Working in Tribal Communities: Preparing for Fieldwork

ANTHRO 138P - Field Methods in Cultural Anthropology

ANTHRO M138Q - Fieldwork in Asian American and Pacific Islander Communities

ASIA AM M108 - Policy, Planning, and Community

ASIA AM 141AX - Asian American and Pacific Islander Leadership Development Project Part I: Leadership

ASIA AM 141BX - Asian American and Pacific Islander Leadership Development Project Part II: Field Studies

ASIA AM M143A - Fieldwork in Asian American and Pacific Islander Communities

ASIA AM M163 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

CCAS CM106 - Health in Chicano/Latino Population

CCAS M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

CCAS 123 - Applied Research Methods in Latino Communities

CCAS M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

CCAS M128 - Race, Gender, and U.S. Labor

CCAS M129 - Community-Engaged Research Methods

CCAS M130 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

CCAS M144 - Women's Movement in Latin America

CCAS 172 - Chicana and Chicano Ethnography

CCAS C179 - Language Politics and Policies in U.S.: Comparative History

CESC M115 - Citizenship and Public Service

CESC 145 - Conflict, Power, Inequality, and Change

CESC 180 - Access to Justice: Hope and Reality

ECON 131 - Economics of Health and Healthcare

ECON M135 - Economic Models of Public Choice

ECON 137 - Introduction to Urban and Regional Economics

EDUC 165 - Educational Program Evaluation

ENGCOMP 130D - Professional Writing: Nonprofits and Public Engagement

ENGCOMP 134 - Topics in Science Writing

GENDER M144 - Women's Movement in Latin America

GENDER M186B - Global Feminism, 1850 to Present

HIST M146B - American Working Class Movements

HIST M186B - Global Feminism, 1850 to Present

LBR STD M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

LBR STD M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

LBR STD M128 - Race, Gender, and U.S. Labor

LBR STD M144 - Women's Movement in Latin America

LBR STD M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

LBR STD 181 - Researching Labor and Labor Movements

LBR STD 182 - Oral History for Social Change

PHILOS 150 - Society and Morals

PHILOS C156 - Topics in Political Philosophy

PHILOS 157A - History of Political Philosophy

PHILOS 157B - History of Political Philosophy

POL SCI M105 - Economic Models of Public Choice

POL SCI 112A - Democratic Theory

POL SCI M115C - Citizenship and Public Service

PSYCH 129C - Culture and Mental Health

PSYCH 133G - Culture and Human Development

PSYCH 175 - Community Psychology

PUB AFF 114 - People, Organizations, and Systems

PUB PLC 105 - Leadership in Public Interest

SOCIOL 113 - Statistical and Computer Methods for Social Research

SOCIOL M115 - Environmental Sociology

SOCIOL 143 - Human Health and Society

SOCIOL 156 - Race and Ethnicity in American Life

SOCIOL 158 - Urban Sociology

URBN PL M122 - Policy, Planning, and Community

URBN PL M171 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

WL ARTS 100A - Art as Social Action

WL ARTS 100B - Art as Moral Action

WL ARTS 144 - Make Art/Stop AIDS

WL ARTS 160 - Performing Sexual Health: UCLA Sex Squad

Required Strategy for Social Change (4 to 5 units)

Select one course from the following list or other by petition:

AF AMER M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

AM IND C120 - Working in Tribal Communities: Introduction

AM IND C130 - California Indian Strategies for Contemporary Challenges

ART M186A - Beyond Mexican Mural: Beginning Muralism and Community Development

ASIA AM M163 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

CCAS M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

CCAS M130 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

CCAS M186A - Beyond Mexican Mural: Beginning Muralism and Community Development

CESC M122XP - Philanthropy as Civic Engagement

CESC 150 - Social Innovation Theory and Application

CESC 152 - Exploring Social Change: Critical Analysis through Lens of Community Organizing and Social Movements

CESC M188XP - Practicum in Social Entrepreneurship

COMM M117 - Negotiation

COMM M165 - Agitational Communication

DIS STD 111 - Disability as Spectacle: Performing Nonnormative Bodies

ECON M135 - Economic Models of Public Choice

ECON 173AX - Introduction to Social Entrepreneurship

ECON 173BX - Introduction to Social Entrepreneurship

EDUC 156 - Introduction to Qualitative Research in Education for Social Transformation

HNRS M123XP - Philanthropy as Civic Engagement

LBR STD M117 - Negotiation

LBR STD M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

LBR STD 152 - Work, Social Justice, and Arts

LBR STD M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

LBR STD M175 - Agitational Communication

LBR STD 179B - Doing Democracy: Politics of Resistance, Protest, and Social Movements

POL SCI M105 - Economic Models of Public Choice

POL SCI 141B - Electoral Politics: Public Opinion and Voting Behavior

POL SCI 171D - Negotiation

POL SCI 172 - Strategy and Conflict

PUB PLC 105 - Leadership in Public Interest

PUB PLC C115 - Environmental and Resource Economics and Policy

SOC WLF 102 - Social Welfare Organizations and Community Systems

SOC WLF 132 - Community Analysis and Community Needs

WL ARTS 100A - Art as Social Action

WL ARTS M125A - Beyond Mexican Mural: Beginning Muralism and Community Development

Required Capstone (8 units)

Complete the following courses with a grade of B or better:

CESC 191AX - Capstone Research Seminar

CESC 191BX - Capstone Research Seminar: Projects

Policies

The Minor Policies

Students may petition to apply one lower-division community-engaged course, one upper-division community-engaged course, or one upper-division elective not listed above toward the minor. Transfer students may petition to have a community-engaged course taken at a prior institution applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 3.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Capstone Policies

Community Engagement and Social Change 191AX and 191BX must be completed with grades of B or better. Students must have completed the core courses requirement, and at least one other community-engaged course prior to enrolling in the Community Engagement and Social Change 191AX. Students that are a part of the Astin Scholars program may have the courses Community Engagement and Social Change M190A, M190B, and M190C satisfy the capstone requirement. Students may petition to have a capstone sequence completed for their major satisfy the minor's capstone requirement. Petitions are reviewed on a base-by-case basis, and are assessed by how closely the major capstone requirements align with desired learning outcomes associated with the minor's capstone requirement. Students may also petition to complete the capstone under the guidance of a faculty sponsor through independent research, Community Engagement and Social Change 199, after completing 191AX. The faculty mentor approves proposed readings as well as length and scope of the final paper or project based on guidelines developed by the faculty committee.

Community Health Sciences Overview

You're now viewing the 2024-25 Catalog

Jonathan and Karin Fielding School of Public Health

36-071 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Community Health Sciences
310-825-5308

Gilbert C. Gee, PhD, ***Chair***
May Sudhinaraset, PhD, ***Vice Chair***

The Department of Community Health Sciences is concerned with health equity and well-being for all individuals and communities. To understand and foster optimal health among diverse communities, the mission of the department is to prepare students to be interdisciplinary global leaders who can effectively address persistent and emerging public health issues, conduct and disseminate innovative research on the social determinants of health, translate the findings for public health practice, and collaborate with communities in research and training.

Graduate Study

The department offers schoolwide professional (Master of Public Health [MPH]) and academic (Master of Science [MS] and Doctor of Philosophy [PhD]) degree programs. Graduates of the professional programs assume positions in the planning, administration, and evaluation of public health programs and policies in the U.S. and abroad. Graduates of the academic programs assume teaching, research, and managerial

positions in universities, government agencies, nongovernmental organizations, international health agencies, and research centers.

Community Health Sciences Faculty Roster

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Professors

David P. Eisenman, MD, MSHS, *in Residence*
Chandra L. Ford, PhD, MPH, MLIS
Gilbert C. Gee, PhD
Jessica D. Gipson, MPH, PhD *(Fred H. Bixby Professor of Population Policy)*
Kimberly D. Gregory, MD, MPH, *in Residence*
Robert J. Kim-Farley, MD, MPH, *in Residence*
Randall S. Kuhn, PhD
James A. Macinko, PhD
Michael L. Prelip, DPA, MPH, CHES
Michael A. Rodriguez, MD, MPH
Dawn M. Upchurch, PhD, LAc
Ondine S. von Ehrenstein, MPH, MS, PhD
May C. Wang, MPH, DrPH

Professors Emeriti

Deborah C. Glik, ScD
Michael S. Goldstein, PhD
Isabelle F. Hunt, DrPH, RD
Marjorie Kagawa-Singer, PhD, MA, MN, RN
Virginia C. Li, MPH, PhD

Donald E. Morisky, ScD, MSPH, ScM
Alfred K. Neumann, MD, MA, MPH, FABPM
Charlotte G. Neumann, MD, MPH
Anne R. Pebley, PhD *(Fred H. Bixby Professor Emerita of Population Policy)*
Kimberley I. Shoaf, DrPH
Judith M. Siegel, PhD, MSHyg

Associate Professors

Hiram Beltrán-Sánchez, PhD
Jessica D. Gipson, MPH, PhD
Philip M. Massey, PhD, MPH
May Sudhinaraset, PhD
Courtney S. Thomas Tobin, PhD
Jennifer A. Wagman, PhD, MHS

Assistant Professor

Sean A. Darling-Hammond, JD, PhD

Lecturer

Bonnie Taub, PhD

Adjunct Professors

Diana M. Bontá, DrPH, RN
Elizabeth D'Amico, PhD
Sheba M. George, PhD
Ronald J. Halbert, MD
Ilan H. Meyer, PhD
Wendelin M. Slusser, MD, MS
Samuel J. Stratton, MD, MPH
Paula A. Tavrow, PhD
Deborah R. Young, PhD

Adjunct Associate Professors

Alina H. Dorian, PhD

Dena R. Herman, MPH, PhD, RD

Cathy M. Lang, MPH, PhD

Shira C. Shafir, PhD, MPH

Adjunct Assistant Professors

Matthew R. Beymer, PhD, MPH

Dana E. Hunnes, MPH, PhD, RD

Natalie D. Muth, MD, MPH, RDN, FAAP

Elizabeth Yzquierdo, MPH, EdD

Academic Administrator

Sarah R. Blenner Uzan, JD, MPH

Major

Community Health Sciences MS, PhD

College / School

Jonathan and Karin Fielding School of Public Health

Department

Community Health Sciences

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Community Health, Health Promotion and Education MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Community Health Sciences

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Comparative Literature Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

350 Kaplan Hall
Box 951536
Los Angeles, CA 90095-1536

Comparative Literature
310-825-7650
Department e-mail

Tamara J.M. Levitz, PhD, ***Chair***

Standing at the forefront of innovative work in literary, theoretical, and cultural studies, comparative literature is one of the most exciting fields in the humanities. As a multifaceted discipline, it promotes linguistic proficiency in more than one language, fosters cultural knowledge of more than one culture, and empowers students with the critical and theoretical tools necessary for them to achieve success in a quickly globalizing world. The UCLA program offers students the opportunity to work with the diverse faculty members of the Department of Comparative Literature as well as with the vast number of faculty members in any language and literature departments.

Interdisciplinary and multilingual in scope, the department is committed to continuing its pioneering work in defining new literary paradigms and fostering new directions for exploration in literary and critical studies from around the globe, with particular focus on lesser-known literatures, cultures, and languages. Its diverse class offerings allow students the unique opportunity to explore and grasp new ventures in the humanities (such as health humanities, global south studies, decolonial studies, and memory studies) as well as continuing pursuits of the relationship between translation and transnationalism, literary theory and emerging media, the future of national literatures in an era of globalization, gender and sexuality studies, East-West cultural encounters, human rights, critical race studies, and experimental approaches to literature and culture.

Focusing on elements that preoccupy literary and critical studies in general, such as genre, narrative, form, period, theme, language, and theory, comparative literature also extends its range to questions that concern other disciplines such as anthropology, art history, film and media studies, gender studies, history, and philosophy. Courses are designed to provide students with both a historical and theoretical understanding of literary, visual, and cultural forms, themes, and movements. Given its focus on interdisciplinary research and pedagogy, comparative literature is the ideal site around which to explore and expand the boundaries of national cultures, modern languages, and literary studies.

Comparative Literature Faculty Roster

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Professors

Ali Behdad, PhD *(John Charles Hillis Professor of Literature)*
Massimo Ciavolella, PhD *(Franklin D. Murphy Professor of Italian Renaissance Studies)*
Nouri Gana, PhD
Allison Kanner-Botan, PhD
Eleanor K. Kaufman, PhD
Kathleen L. Komar, PhD
Efraín Kristal, PhD
Tamara J.M. Levitz, PhD
David W. MacFadyen, PhD
Saree Makdisi, PhD
Nancy M. Martinez, PhD
Aamir R. Mufti, PhD
Anjali Prabhu, PhD *(Edward W. Said Professor of Comparative Literature)*
Todd S. Presner, PhD *(Michael and Irene Ross Endowed Professor of Yiddish Studies)*
Michael P. Rothberg, PhD *(1939 Society Samuel Goetz Professor of Holocaust Studies)*
David C. Schaberg, PhDJennifer A. Sharpe, PhD
Shu-mei Shih, PhD *(Irving and Jean Stone Professor)*
Giulia Sissa, PhD
Zrinka Stahuljak, PhD

Professors Emeriti

Katherine C. King, PhD
Françoise Lionnet, PhD
Kenneth Reinhard, PhD
Ross P. Shideler, PhD
Samuel Weber, PhD

Associate Professors

Elizabeth A. Marchant, PhD
Yasemin Yildiz, PhD

Assistant Professors

Whitney L. Arnold, PhD, *in Residence*
Stephanie B. Santana, PhD

Adjunct Assistant Professor

Romy Sutherland, PhD

Major

Comparative Literature BA

College / School

College of Letters and Science

Department

Comparative Literature

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Ability to analyze literary texts

2. Ability to situate literary texts in their aesthetic, historical, and cultural contexts

3. Knowledge of different methods of analyzing literature

4. Understanding of the importance of reading texts in their cultural context

5. Ability to read literary texts in two languages

6. Ability to write clearly-written, structured analytic essays

Entry to the Major

Transfer Students

Transfer applicants to the Comparative Literature major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one English composition course, two literature survey courses, at least one of which must be world literature, and the equivalent of at least one year of foreign language.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses, the College Writing requirement, and demonstrate literary proficiency in at least one language other than English as follows:

Comparative Literature

Select two courses from the following. With approval of the director of undergraduate studies, a comparable and appropriate lower-division course in another department may be substituted for one

of the courses.

COMPARATIVE LITERATURE 1 SERIES

COM LIT 1A - World Literature: Antiquity to Middle Ages

COM LIT 1B - World Literature: Middle Ages to 17th Century

COM LIT 1C - World Literature: Age of Enlightenment to 20th Century

COM LIT 1D - Great Books from World at Large

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

COMPARATIVE LITERATURE 2 SERIES

COM LIT 2AW - Survey of Literature: Antiquity to Middle Ages

COM LIT 2BW - Survey of Literature: Middle Ages to 17th Century

COM LIT 2CW - Survey of Literature: Age of Enlightenment to 20th Century

COMPARATIVE LITERATURE 4 SERIES

COM LIT 4AW - Literature and Writing: Antiquity to Middle Ages

COM LIT 4BW - Literature and Writing: Middle Ages to 17th Century

COM LIT 4CW - Literature and Writing: Age of Enlightenment to 20th Century

COM LIT 4DW - Literature and Writing: Great Books from World at Large

College Writing Requirement

Complete the College Writing requirement.

Literary Proficiency

Literary proficiency in at least one language other than English, to be demonstrated by admission into one upper-division literature course in the original language.

The Major

Ten courses as follows:

Comparative Literature

Complete five courses, including Comparative Literature 100.

COM LIT 100 - Introduction to Literary and Critical Theory

COMPARATIVE LITERATURE 101 THROUGH 197

Select four courses from Comparative Literature M101 through 197.

Upper-Division Literature in Primary Language

Complete three upper-division literature courses using original language texts in the primary language area.

Upper-Division Literature in Secondary Language

Complete two upper-division literature courses using original language texts in the secondary language area (students may petition the student services adviser to take two upper-division literature courses in translation if their primary literature area is in a language other than English).

Honors Program

Departmental honors candidates must complete all requirements for the major and an honors research paper (in addition to regular course requirements) in two of the four required upper-division comparative literature courses. These two honors research papers must be completed during the quarter in which the student is enrolled in the course. Candidates must also complete a fourth course in the primary literature area and Comparative Literature 198 with a core faculty member in which they write an independent research paper of approximately 25 pages.

COM LIT 198 - Honors Research in Comparative Literature

Policies

Honors Program

The departmental honors program is open to Comparative Literature majors with a 3.5 departmental and a 3.25 overall grade-point average. Eligible interested students should contact the student services adviser to enter the program.

Minor

Comparative Literature Minor

College / School
College of Letters and Science

Department
Comparative Literature

Level

Undergraduate

Overview

The Comparative Literature minor offers students interested in literature and the humanities the opportunity to gain insight into the critical problems and theories addressed by comparative literature and to apply that knowledge in literature and comparative literature courses.

Entry to the Minor

Admission

To enter the minor students must have fulfilled the College Writing requirement, have completed 40 units with an overall grade-point average of 2.0 or better, have taken at least one year or equivalent of a language other than English, and contact the student services adviser, 350B Kaplan Hall, 310-825-7650.

Minor Requirements

The Minor

Complete seven upper-division courses (28 units minimum) as follows:

Comparative Literature

Complete four upper-division comparative literature courses.

SUBSTITUTION

One course from Comparative Literature 1A through 4DW may be substituted.

Comparative Literature 1A through 4DW

Literature in Original Language

Complete two upper-division courses in one literature (e.g., Arabic, Chinese, English, French, German, Korean, Russian, Spanish) in the original language.

Second Literature in Original Language

Complete one upper-division course in a second literature in the original language (one level-six foreign language course may be substituted).

Policies

The Minor Policies

If students complete two upper-division courses in a language other than English, they may petition to take one upper-division course taught in English translation to fulfill the third requirement.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Comparative Literature MA, CPhil, PhD

College / School

College of Letters and Science

Department

Comparative Literature

Degree Level

Graduate

Degree Objective

Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Computational and Systems Biology Overview

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Interdepartmental Program
College of Letters and Science

102 Hershey Hall
Box 951600
Los Angeles, CA 90095-1600

Computational and Systems Biology
310-825-5152
E-mail contact

Matteo Pellegrini, PhD, ***Chair***
Xia Yang, PhD, ***Vice Chair***

The major in Computational and Systems Biology is designed primarily for highly motivated undergraduate students interested in interdisciplinary studies in life sciences, behavioral sciences, and engineering and computer sciences. Preparation for the major consists of a broad foundation in basic sciences—chemistry, biology, physics, and mathematics, plus an introduction to computing. The major itself provides students with foundations in mathematical modeling, information processing, and control and system analysis, with an emphasis on quantitative ideas and methodologies. Mathematical and other analytical skills are essential in the major.

Computational and Systems Biology majors have several options for in-depth studies: a coherent integration of courses selected from one of three tracks in bioinformatics, biological data sciences, or dynamical modeling. The major is appropriate preparation for employment or for graduate studies in any

of these areas, with emphasis on interdisciplinary activities. It is also appropriate preparation for professional school studies in dentistry, engineering, management, medicine, and public health.

Computational and Systems Biology Faculty Committee

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Abigail W. Bigham, PhD *(Anthropology)*
Eric J. Deeds, PhD *(Integrative Biology and Physiology)*
Alexander Hoffmann, PhD *(Microbiology, Immunology, and Molecular Genetics)*
Shantanu H. Joshi, PhD *(Bioengineering, Neurology)*
James O. Lloyd-Smith, PhD *(Computational Medicine, Ecology and Evolutionary Biology)*
Aaron S. Meyer, PhD *(Bioengineering)*
Matteo Pellegrini, PhD *(Human Genetics; Molecular, Cell, and Developmental Biology)*
Van M. Savage, PhD *(Computational Medicine, Ecology and Evolutionary Biology)*
Roy Wollman, PhD *(Biological Chemistry, Chemistry and Biochemistry, Integrative Biology and Physiology)*
Xinshu Grace Xiao, PhD *(Integrative Biology and Physiology)*
Xia Yang, PhD *(Integrative Biology and Physiology)*

Major

Computational and Systems Biology BS

College / School

College of Letters and Science

Department

Computational and Systems Biology

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

Computational and Systems Biology majors select a coherent integration of courses from one of three designated tracks: bioinformatics, biological data sciences, or dynamical modeling. The synergy for all tracks is integrative systems, information, and computational systems modeling sciences in biology. The focus is primarily quantitative, as mastery of advanced quantitative skills is essential for multidisciplinary understanding. Each track emphasizes different systems or modalities, and modeling or other computational approaches. Students choose one of the three tracks when they declare the major. Well-justified customized tracks may also be approved by the faculty.

Bioinformatics Track

The bioinformatics track is designed for students interested in computational discovery and management of biological data, primarily genomic, proteomic, or metabolomic data. Bioinformatics emphasizes computational, statistical, and other mathematical approaches for mining, modeling, and analyzing high-throughput biological data and the inherent structure of biological information. Example research problems include finding statistical patterns that reveal genomic or evolutionary or developmental information, studying how regulatory sequences give rise to programs of gene expression, or researching how the genome encodes the capabilities of the human mind.

Biological Data Sciences Track

The biological data sciences track addresses a diverse set of biological questions—ranging from medicine, to genomics, physiology, pharmacology, neuroscience, ecology, and evolution—using recent tools and advances in mathematics and computation—specifically machine learning, statistical data sciences, and informatics. Biological data sciences leverages new and developing courses within computational and systems biology and across UCLA, and greatly aids students who aim to go directly into industry—biotech, pharmaceuticals, and more—as well as computational biology graduate school. The track has a strong focus and deep integration with life sciences.

Dynamical Modeling Track

The dynamical modeling track seeks to provide students a strong foundation in the use of mathematical and computational models for analyzing biological systems. The modeling approaches are based on a varied set of approaches such as partial differential equations, stochastic equations, dynamical systems theory, stability theory and linear algebra, network theory, cellular automata, and numerical methods. Dynamical models are the heart of evolution that underpin all of biology and can be applied to disease spread, tumor growth and treatment, wound healing, cell migration, blood flow, ecology, climate change biology, population genetics, evolutionary theory, game theory, and scaling theory. Models are tailored based on the biological and physical details of the system and can often be simplified or used to build intuition based on the associated timescales and spatial dimensions—from cellular signaling and transcriptional regulation to communication between organs through hormones to consumer-resource interactions among species. The track allows students to develop quantitative approaches to interpret complex biological systems and is a gateway towards careers in biotechnology and academia.

Capstone Major

The Computational and Systems Biology major is a designated capstone major. The capstone experience is a senior-level sequence of two courses integrating the discipline via mathematical modeling, simulation, and active research and report writing. Students are expected to demonstrate critical thinking skills and familiarity with research techniques needed to successfully pursue a research project in computational and systems biology, conceive and execute a research project on which they engage current methods and theory, communicate original scholarly findings to peers both in oral and written form, and work productively with others as part of a research team. The experience culminates with completion of the senior thesis requirement.

Learning Outcomes

1. Demonstrated critical thinking skills, and familiarity with research techniques, needed to successfully pursue a research project
2. Conception and execution of a research project that engages current methods and theory

3. Oral and written communication of original scholarly findings to peers

4. Productive participation with others as part of a research team

Entry to the Major

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who declare the Computational and Systems Biology pre-major at the time of application are automatically admitted.

Current students who were admitted as first-year or transfer students (transfer students must have been admitted under the division of life sciences) may request to declare the pre-major once they have met the following criteria: (1) completed one quarter at UCLA, (2) are in good academic standing, (3) have a minimum cumulative grade-point average (GPA) of 2.0, and (4) have established a pre-major GPA of a minimum of 2.7 by taking at least one pre-major course at UCLA for a letter grade.

Requests to declare the pre-major should be sent by e-mail to the program . For more information, see the program website.

All courses taken for the pre-major must be completed with a grade of C or better. Pre-major courses Program in Computing 10B and 10C, or Computer Sciences 32 are required for students following the Biological Data Sciences or Bioinformatics concentrations, but do not have to be completed prior to applying to the major. Computational and Systems Biology M32 or Mathematics 32A is required for students following the Bioinformatics, Biomedical Systems, or Systems Biology concentrations, but does not have to be completed prior to applying to the major.

All students are identified as pre-majors until they satisfy the preparation for the major requirements by achieving (1) a minimum 2.7 GPA in all pre-major courses, and (2) a minimum grade of C in all pre-major courses.

Transfer Students

Transfer applicants to the Computational and Systems Biology major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one year of general chemistry with laboratory for majors, two years of calculus for majors, one year of calculus-based physics, one year of biology with laboratory for majors, and one programming course using C++ , Python, or similar language.

Transfer applicants must meet the same academic requirements as current UCLA students, based on all courses transferred from another institution that satisfy pre-major requirements, and must have completed one 12-unit term of residence in regular session at UCLA.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

A minimum of 66 to 82 units (depending on the calculus series, computer programming courses, and additional requisites for specific concentrations). Additional lower-division courses may be requisite to desired track courses.

Chemistry

Select one series from:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Computer Science or Program in Computing

Select one course from:

COM SCI 31 - Introduction to Computer Science I

COMPTNG 10A - Introduction to Programming

Life Sciences

Complete the following three courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

Mathematics

Complete 5 to 6 courses total from one of the following options:

LIFE SCIENCES

Students may select Computational and Systems Biology M32 or Mathematics M32T.

C&S BIO M32 - Essential Calculus for Mathematical Biologists

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

MATH M32T - Essential Calculus for Mathematical Biologists

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MATHEMATICS

Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

STATS 10 - Introduction to Statistical Reasoning

Physics

Select one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 1 HONORS SERIES

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

Additional Courses by Track

Additional preparation for the major courses are required for the following tracks:

BIOINFORMATICS

Select Computer Science 32, or Programs in Computing 10B and 10C:

COM SCI 32 - Introduction to Computer Science II

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

BIOLOGICAL DATA SCIENCE

Complete the following course:

COM SCI 32 - Introduction to Computer Science II

The Major

Complete a methodology core of seven courses (27 units) and a track of five upper-division courses (20 units minimum) as follows:

Methodology Core

Complete three required courses, one probability course, one statistics course, and two capstone courses as follows:

C&S BIO M150 - Biological Modeling: Mathematical and Computational Approaches

C&S BIO M184 - Introduction to Computational and Systems Biology

C&S BIO 185 - Thesis Research Opportunities in Computational and Systems Biology

PROBABILITY

Select one course from:

EC ENGR 131A - Probability and Statistics

MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

STATISTICS

Select one course from:

BIOSTAT 100 - Introduction to Biostatistics

STATS 100B - Introduction to Mathematical Statistics

CAPSTONE

Select one option from:

Computational and Systems Biology M187 and 195

Complete the following two courses:

C&S BIO M187 - Research Communication in Computational and Systems Biology

C&S BIO 195 - Community or Corporate Internships in Computational and Systems Biology

Computational and Systems Biology M187 and 199

Complete the following two courses:

C&S BIO M187 - Research Communication in Computational and Systems Biology

C&S BIO 199 - Directed Research in Computational and Systems Biology

Computational and Systems Biology 198A and 198B

Complete the following two courses:

C&S BIO 198A - Honors Research in Computational and Systems Biology

C&S BIO 198B - Honors Research in Computational and Systems Biology

Tracks

Complete a minimum of five courses (20 units minimum) from the following tracks. No 199 course may be applied toward any track.

BIOINFORMATICS (AT LEAST 20 UNITS)

Note: Computer Science 32 or Program in Computing 10B and 10C, and Computational and Systems Biology M32 (same as Life Sciences M32 or Mathematics M32T) or Mathematics 32A are completed in the pre-major.

Computer Science

Select one course from:

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

Additional Courses

Select two courses from:

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

EE BIOL C135 - Population Genetics

MCD BIO CM156 - Human Genetics and Genomics

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

PHYSCI 125 - Molecular Systems Biology

STATS M254 - Statistical Methods in Computational Biology

Life Science Courses

Select two life science courses from the life sciences course list.

BIOLOGICAL DATA SCIENCES (AT LEAST 20 UNITS)

Note: Computer Science 32 is completed in the pre-major. A maximum of two courses may be from mathematics.

Additional Courses

Select three courses (at least 20 units) from the following. Only one course from Computer Science CM124 or M226 may be applied. Only one course from Computer Science M146, Mathematics 156, or Statistics C161 may be applied. Only one course from Computer Science 180 or Mathematics 182 may be applied.

COM SCI C124 - Machine Learning Applications in Genetics

COM SCI M146 - Introduction to Machine Learning

COM SCI 161 - Fundamentals of Artificial Intelligence

COM SCI 168 - Computational Methods for Medical Imaging

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI 226 - Machine Learning in Computational Genomics

EC ENGR C143A - Neural Signal Processing

EC ENGR C147 - Neural Networks and Deep Learning

MATH 155 - Mathematical Imaging

MATH 156 - Machine Learning

MATH 164 - Optimization

MATH 182 - Algorithms

STATS 101A - Introduction to Data Analysis and Regression

STATS 101C - Introduction to Statistical Models and Data Mining

STATS C161 - Introduction to Pattern Recognition and Machine Learning

Life Science Courses

Select two life science courses from the life sciences course list.

DYNAMICAL MODELING (AT LEAST 20 UNITS)

A maximum of two courses may be from mathematics.

Additional Courses

Select three courses from the following list. Only one course from Computational and Systems Biology M186 or Computer Science M182 may be applied. Only one course from Mathematics 134 or 135 may be applied.

C&S BIO M186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

COM SCI M182 - Dynamic Biosystem Modeling and Simulation Methodology

EC ENGR 102 - Systems and Signals

EC ENGR 113 - Digital Signal Processing

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

MATH 142 - Mathematical Modeling

MATH 146 - Methods of Applied Mathematics

MATH 168 - Introduction to Networks

MATH 171 - Stochastic Processes

Life Science Courses

Select two life science courses from the life sciences course list.

LIFE SCIENCE COURSE LIST (FOR ALL THREE TRACKS)

Select any two courses from the subareas. Courses may be chosen from different subareas.

Biochemistry

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

Ecology

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

EE BIOL 120 - Evolution

EE BIOL 129 - Animal Behavior

EE BIOL 161 - Plant Ecology

EE BIOL C172 - Advanced Statistics in Ecology and Evolutionary Biology

EE BIOL C174 - Comparative Biology and Macroevolution

Epidemiology

EPIDEM 100 - Principles of Epidemiology

MIMG 101 - Introductory Microbiology

MIMG 102 - Introductory Virology

MIMG 168 - Molecular Parasitology

MIMG 185A - Immunology

Genetics and Molecular Biology

Only one course from Molecular, Cell, and Developmental Biology 100 or 165A may be applied.

LIFESCI 107 - Genetics

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 138 - Developmental Biology

MCD BIO M140 - Cancer Cell Biology

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 165A - Biology of Cells

Neurosystems

Only one course from Neuroscience M101A or Psychology 115 may be applied.

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

NEURO 205 - Systems Neuroscience

NEURO 260 - Introduction to Signal Processing for Neuroscientists

PHYSCI C144 - Neural Control of Physiological Systems

PHYSICS C186 - Neurophysics: Brain-Mind Problem

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH 119M - Neural Circuits of Learning and Memory

Physiology

Only one course from Ecology and Evolutionary Biology 170 or Physiological Sciences 166 may be applied.

BIOENGR C102 - Human Physiological Systems for Bioengineering I

BIOMATH 206 - Introduction to Mathematical Oncology

EE BIOL 170 - Animal Environmental Physiology

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI 166 - Animal Physiology

Policies

Preparation for the Major Policies

All courses taken for the Preparation for the Major must be completed with a grade of C or better. Students are allowed to repeat up to two Preparation for the Major courses in which they receive a C– or worse. Students who receive a third grade of C– or worse in Preparation for the Major courses are dismissed from the program.

The Major Policies

Each course in the major must be passed with a grade of C or better.

Honors Program

Students with a grade-point average of 3.5 or better in required major courses and a 3.0 cumulative GPA may apply for admission to the honors program. Honors or highest honors may be granted at the discretion of the faculty sponsor and the faculty committee to students demonstrating exceptional ability on the senior research thesis.

Minor

Mathematical Biology Minor

College / School

College of Letters and Science

Department

Computational and Systems Biology

Level

Undergraduate

Overview

The Mathematical Biology minor introduces undergraduate students to an active interdisciplinary research field at UCLA. The minor core examines biological systems in a holistic and quantitative manner by emphasizing systems and integrative principles in biology. Students who complete the minor have sufficient training to apply the knowledge they learn in graduate school or employment of their choice. Students complete a core curriculum and an elective course. The minor consists of lower-division courses basic to the minor, five core courses, and one elective course that provide the needed background in mathematical biology, molecular and cell biology, statistics and probability, and mathematical modeling and simulation methods for biological systems.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average or better) and have completed Computer Science 31 or Program in Computing 10A with a grade of C or better. Requests to declare the minor must be sent by e-mail to the program. The e-mail should include full name, UID number, request to declare the minor, and a statement indicating whether the student consents to being added to the departmental Common Collaboration and Learning Environment (CCLE) web page.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete the following two courses:

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Required Upper-Division Courses (24 units)

Complete six courses as follows:

REQUIRED

Complete the following three courses, one probability course, and one molecular, cell, and developmental biology course:

C&S BIO M184 - Introduction to Computational and Systems Biology

C&S BIO M186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

STATS 100B - Introduction to Mathematical Statistics

Probability

Select one course from:

EC ENGR 131A - Probability and Statistics

MATH 170A - Probability Theory I

STATS 100A - Introduction to Probability

Molecular, Cell, and Developmental Biology

Select one course from:

MCD BIO M140 - Cancer Cell Biology

MCD BIO 144 - Molecular Biology of Cellular Processes

ELECTIVE

Select one course from:

EC ENGR 102 - Systems and Signals

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 136 - Partial Differential Equations

MATH 171 - Stochastic Processes

MCD BIO 172 - Genomics and Bioinformatics

PHYSCI 125 - Molecular Systems Biology

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Structural Biology Minor

College / School

College of Letters and Science

Department

Computational and Systems Biology

Level

Undergraduate

Overview

The Structural Biology minor introduces undergraduate students to an active interdisciplinary research field at UCLA. It examines biological systems in a holistic and quantitative manner by emphasizing systems and integrative principles in biology. It consists of lower-division courses basic to the minor, four core courses, and one elective course that provide the needed background in structural biology, biologic microscopy, and biochemistry. Students who complete the minor have sufficient training to apply the knowledge they learn in graduate school or employment of their choice.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average or better) and have completed Computer Science 31 or Program in Computing 10A with a grade of C or better. Requests to declare the minor must be sent by e-mail to the program. The e-mail should include full name, UID number, request to declare the minor, and a statement indicating whether the student consents to being added to the departmental Common Collaboration and Learning Environment (CCLE) web page.

Minor Requirements

The Minor

Required Lower-Division Course (4 units)

Complete the following course:

- MATH 33A - Linear Algebra and Applications

Required Upper-Division Courses (22 units)

Complete four required courses and two electives as follows:

- CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism
- CHEM M230B - Structural Molecular Biology
- C&S BIO M184 - Introduction to Computational and Systems Biology
- MIMG 105 - Biological Microscopy

ELECTIVES

Select two courses from:

BIOSTAT 100 - Introduction to Biostatistics

CHEM M117 - Structure, Patterns, and Polyhedra

CHEM 156 - Physical Biochemistry

EC ENGR 102 - Systems and Signals

EC ENGR 113 - Digital Signal Processing

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Systems Biology Minor

College / School

College of Letters and Science

Department

Computational and Systems Biology

Level

Undergraduate

Overview

The Systems Biology minor introduces undergraduate students to an active, interdisciplinary, quantitative biosciences research and teaching field at UCLA. It offers a coherent course plan encompassing basic foundations of the field. Beside broadening student knowledge in systems biology, the minor provides students with enhanced perspective about computational and systems biology methods and applications and better prepares students to make more informed choices about their future directions and careers. The minor consists of lower-division courses basic to the minor, a survey seminar course, four core courses, and one elective course that provide the needed background in molecular and cell biology,

computational and systems engineering, and mathematical modeling and simulation methods for biological systems.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average or better) and have completed Computer Science 31 or Program in Computing 10A with a grade of C or better. Requests to declare the minor must be sent by e-mail to the program. The e-mail should include full name, UID number, request to declare the minor, and a statement indicating whether the student consents to being added to the departmental Common Collaboration and Learning Environment (CCLE) web page.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete the following two courses:

- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations

Required Upper-Division Courses (24 units)

Complete six courses as follows:

- C&S BIO M184 - Introduction to Computational and Systems Biology
- C&S BIO M186 - Computational Systems Biology: Modeling and Simulation of Biological Systems
- EC ENGR 102 - Systems and Signals

FEEDBACK CONTROL

Select one course from:

- EC ENGR 141 - Principles of Feedback Control
- MECH&AE 171A - Introduction to Feedback and Control Systems: Dynamic Systems Control I

MOLECULAR, CELL, AND DEVELOPMENTAL BIOLOGY

Select one course from:

- MCD BIO M140 - Cancer Cell Biology
- MCD BIO 144 - Molecular Biology of Cellular Processes

ELECTIVE

Select one course from:

- MATH 134 - Linear and Nonlinear Systems of Differential Equations
- MATH 151A - Applied Numerical Methods
- MATH 151B - Applied Numerical Methods
- MATH 170A - Probability Theory I
- MATH 170B - Probability Theory II
- MATH 171 - Stochastic Processes
- MCD BIO 172 - Genomics and Bioinformatics
- PHYSCI 125 - Molecular Systems Biology

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Computational Medicine Overview

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David Geffen School of Medicine

5303 Life Sciences
Box 951766
Los Angeles, CA 90095-1766

Computational Medicine
Department e-mail

Eleazar Eskin, PhD, ***Chair***
Bogdan Pasaniuc, PhD, ***Vice Chair***
Eric M. Sobel, PhD, ***Vice Chair, Education***

As biology advances rapidly in quantitative research methods, both the need and potential for closely associated theoretical research increases. On numerous medical science frontiers—such as genetics, molecular biology, oncology, pharmacology, neuroscience, and physiology—the Department of Computational Medicine contributes both in basic research and the development of specialized software to support investigation and health care. UCLA has one of the few departments in this rapidly evolving field.

The department builds from abstract modeling toward research vital to the advancement of current biomedical frontiers. The doctoral program reflects this in requirements for advanced training in a biomedical research specialty and in the mathematical and computing skills required to contend realistically with the complex phenomena encountered in biology and medicine. The art of quantitative research is developed individually from the first year.

The department welcomes both undergraduate and graduate students in other majors to its courses in mathematical modeling, research computing, and biomedical statistics. Pre-medical majors with mathematical and computational interests can receive early guidance toward an MD/PhD joint degree.

The department also offers quantitative research training in the medical curriculum and postgraduate medical programs.

Computational Medicine Faculty Roster

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Professors

Douglas S. Bell, MD, PhD, *in Residence*
Tom Chou, PhD
Jason Ernst, PhD
Eleazar Eskin, PhD
Eran Halperan, PhD
Kenneth L. Lange, PhD *(Maxine and Eugene Rosenfeld Endowed Professor of Computational Genetics)*
Gang Li, PhD
Jingyi Jessica Li, PhD
James O. Lloyd-Smith, PhD
Bogdan Pasaniuc, PhD
Zhilin Qu, PhD, *in Residence*
Marcus L. Roper, PhD
Sriram Sankararaman, PhD
Van M. Savage, PhD
Eric M. Sobel, PhD, *in Residence*
Marc A. Suchard, MD, PhD
Wei Wang, PhD *(Leonard Kleinrock Term Professor of Computer Science)*
Hua Zhou, PhD

Professors Emeriti

Abdelmonem A. Afifi, PhD
Robert I. Jennrich, PhD
Elliot M. Landaw, MD, PhD

Associate Professors

Valerie Arboleda, MD, PhD, *in Residence*
Noah A. Zaitlen, PhD

Assistant Professors

Brunilda Balliu, PhD
Jeffrey N. Chiang, PhD
Harold J. Pimentel, PhD
Daniel J. Tward, PhD
Bolei Zhou, PhD

Adjunct Professors

David Elashoff, PhD
Jeffrey A. Gornbein, DrPH

Adjunct Associate Professors

Maria-Rita R. D'Orsogna, PhD
Mary E. Sehl, MD, PhD

Adjunct Assistant Professor

Elior Rahmani, PhD

Major

Biomathematics MS, PhD

College / School

David Geffen School of Medicine

Department

Computational Medicine

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Clinical Research MS

College / School

David Geffen School of Medicine

Department

Computational Medicine

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Data Science in Biomedicine MS

College / School

David Geffen School of Medicine

Department

Computational Medicine

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Computer Science Overview

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Henry Samueli School of Engineering and Applied Science

277 Engineering VI
Box 951596
Los Angeles, CA 90095-1596

Computer Science
310-825-3886

Todd D. Millstein, PhD, ***Chair***
Miryung Kim, PhD, ***Vice Chair, Graduate Studies***
Glenn D. Reinman, PhD, ***Vice Chair, Undergraduate Studies***

Computer science is concerned with the design, modeling, analysis, and applications of computer systems. Its study at UCLA provides education at the undergraduate and graduate levels necessary to understand, design, implement, and use the software and hardware of digital computers and digital systems. The programs offer comprehensive and integrated studies of subjects in computer system architecture, computer networks, distributed computer systems, programming languages and software systems, information and data management, artificial intelligence, computer science theory, computational systems biology and bioinformatics, and computer vision and graphics.

The undergraduate and graduate studies and research projects in the Department of Computer Science are supported by significant computing resources. In addition to the departmental computing facility, there are over a dozen research laboratories specializing in areas such as distributed systems, multimedia computer communications, distributed sensor networks, VLSI systems, VLSI CAD, embedded and reconfigurable systems, computer graphics, bioinformatics, and artificial intelligence. Also, the Cognitive Systems Laboratory is engaged in studying computer systems that emulate or support human reasoning. The Biocybernetics Laboratory is devoted to multidisciplinary research involving the application of engineering and computer science methods to problems in biology and medicine.

Graduate Study

The Department offers minor fields for graduate students seeking engineering degrees.

Subject Areas

Computer Science courses are in the following subject areas:

- **Bioinformatics**
- **Computer Science**

Computer Science Faculty Roster

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Professors

Junghoo (John) Cho, PhD
Jason (Jingsheng) Cong, PhD *(Volgenau Professor of Engineering Excellence)*
Adnan Y. Darwiche, PhD
Eleazar Eskin, PhD
Jason Ernst, PhD
Miryung Kim, PhD
Songwu Lu, PhD
Todd D. Millstein, PhD
Stanley J. Osher, PhD
Rafail Ostrovsky, PhD *(Norman E. Friedmann Professor of Knowledge Sciences)*
Jens Palsberg, PhD
Miodrag Potkonjak, PhD
Glenn D. Reinman, PhD
Amit Sahai, PhD
Sriram Sankararaman, PhD
Majid Sarrafzadeh, PhD *(Levi James Knight, Jr. Term Professor of Innovation)*
Alexander Sherstov, PhD
Stefano Soatto, PhD
Mani B. Srivastava, PhD
Yizhou Sun, PhD
Demetri Terzopoulos, PhD
Guy Van den Broeck, PhD
George Varghese, PhD *(Jonathan B. Postel Professor of Networking)*
Wei Wang, PhD *(Leonard Kleinrock Term Professor of Computer Science)*
Harry G. Xu, PhD

Lixia Zhang, PhD *(Jonathan B. Postel Professor of Computer Systems)*

Professors Emeriti

Algirdas A. Avizienis, PhD
Rajive L. Bagrodia, PhD
Alfonso F. Cardenas, PhD
Jack W. Carlyle, PhD
Wesley W. Chu, PhD
Joseph J. DiStefano III, PhD
Michael G. Dyer, PhD
Milos D. Ercegovac, PhD
Eliezer M. Gafni, PhD
Sheila A. Greibach, PhD
Leonard Kleinrock, PhD
Allen Klinger, PhD
Richard E. Korf, PhD
Richard R. Muntz, PhD
Judea Pearl, PhD
Carlo A. Zaniolo, PhD *(Norman E. Friedmann Professor Emeritus of Knowledge Sciences)*

Associate Professors

Kai-Wei Chang, PhD
Alyson K. Fletcher, PhD
Quanquan Gu, PhD
Choi-Jui Hsieh, PhD
Achuta Kadambi, PhD
Raghu Meka, PhD
Anthony J. Nowatzki, PhD
Yuval Tamir, PhD

Assistant Professors

Omid Abari, PhD
Saadia Garbriel, PhD
Aditya Grover, PhD
Eunice Jun, PhD
Sam Kumar, PhD

Baharan Mirzasoleiman, PhD
Violet (Nanyun) Peng, PhD
Blaise-Pascal Tine, PhD
Remy Wang, PhD
Bolei Zhou, PhD

Senior Lecturers SOE

Paul R. Eggert, PhD
David A. Smallberg, MS

Senior Lecturer PSOE

Sandra Batista, PhD

Adjunct Professors

Eran Halperin, PhD
Van Jacobsen, MS
Alan C. Kay, PhD

Adjunct Associate Professors

Carey S. Nachenberg, MS
Giovanni Pau, PhD
Ramin Ramezani, PhD
Fabien Scalzo, PhD

Adjunct Assistant Professor

Ravi A. Netravali, PhD

Major

Computer Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Electrical and Computer Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The undergraduate curriculum provides all computer engineering students with preparation in the mathematical and scientific disciplines that lead to a set of courses that span the fundamentals of the discipline in the major areas of data science and embedded networked systems. These collectively

provide an understanding of many inventions of importance to our society, such as the Internet of Things, human-cyber-physical systems, mobile/wearable/implantable systems, robotic systems, and more generally smart systems at all scales in diverse spheres. The design of hardware, software, and algorithmic elements of such systems represents an already dominant and rapidly growing part of the computer engineering profession. Students are encouraged to make use of their computer science and electrical and computer engineering electives and a two-quarter capstone design course to pursue deeper knowledge within one of these areas according to their interests, whether for graduate study or preparation for employment.

Capstone Major

The Computer Engineering major is a designated capstone major that is jointly administered by the Computer Science, and Electrical and Computer Engineering, departments. Undergraduate students complete a design course in which they integrate their knowledge of the discipline and engage in creative design within realistic and professional constraints. Students apply their knowledge and expertise gained in previous mathematics, science, and engineering coursework. Students identify, formulate, and solve engineering problems and present their projects to the class.

Learning Outcomes

1. Application of mathematical, scientific, and engineering knowledge

2. Design of a software or hardware system, component, or process to meet desired needs within realistic economic, environmental, social, ethical, health, safety, security, reliability, manufacturability, and sustainability constraints

3. Function productively on a team with others

4. Identification, formulation, and solution of computer engineering problems

5. Effective communication

Major Requirements

Preparation for the Major

Complete 20 courses as follows:

- COM SCI 31 - Introduction to Computer Science I
- COM SCI 32 - Introduction to Computer Science II
- COM SCI 33 - Introduction to Computer Organization
- COM SCI 35L - Software Construction
- COM SCI M51A - Logic Design of Digital Systems
- EC ENGR 3 - Introduction to Electrical Engineering
- EC ENGR M16 - Logic Design of Digital Systems
- ENGR 1IT - Introduction to Engineering Design: Internet of Things
- MATH 31A - Differential and Integral Calculus
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations
- MATH 61 - Introduction to Discrete Structures

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

Computer Science 1 or Electrical and Computer Engineering 1

Select one course from:

COM SCI 1 - Freshman Computer Science Seminar

EC ENGR 1 - Undergraduate Seminar

Physics 4AL or 4BL

Select one course from:

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Computer Science

Complete five courses as follows:

COM SCI 111 - Operating Systems Principles

COM SCI 180 - Introduction to Algorithms and Complexity

COMPUTER SCIENCE 118 OR ELECTRICAL AND COMPUTER ENGINEERING 132B

Select one course from:

COM SCI 118 - Computer Network Fundamentals

EC ENGR 132B - Data Communications and Telecommunication Networks

COMPUTER SCIENCE M151B OR ELECTRICAL AND COMPUTER ENGINEERING M116C

Select one course from:

COM SCI M151B - Computer Systems Architecture

EC ENGR M116C - Computer Systems Architecture

COMPUTER SCIENCE M152A OR ELECTRICAL AND COMPUTER ENGINEERING M116L

Select one course from:

COM SCI M152A - Introductory Digital Design Laboratory

EC ENGR M116L - Introductory Digital Design Laboratory

Electrical and Computer Engineering

Complete the following four courses:

EC ENGR 100 - Electrical and Electronic Circuits

EC ENGR 102 - Systems and Signals

EC ENGR 113 - Digital Signal Processing

EC ENGR 115C - Digital Electronic Circuits

Probability

Select one course from:

C&EE 110 - Introduction to Probability and Statistics for Engineers

EC ENGR 131A - Probability and Statistics

MATH 170A - Probability Theory I

MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

Electives

Complete 8 units of computer science and 8 units of electrical and computer engineering upper-division electives.

Technical Breadth

Complete three technical breadth courses (12 units) from an approved list available in the Office of Academic and Student Affairs

Capstone Design

Complete eight units from one of the following groups:

SYSTEMS DESIGN

EC ENGR 180DA - Systems Design

EC ENGR 180DW - Systems Design

DESIGN OF ROBOTIC SYSTEMS

EC ENGR 183DA - Design of Robotic Systems I

EC ENGR 183DB - Design of Robotic Systems II

Policies

The Major Policies

An approved list of technical breadth courses is available in the **Office of Academic and Student Affairs.**

For information on UC, school, and general education requirements, see the Samueli school section in College and Schools.

Major

Computer Science and Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Computer Science

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Computer Science and Engineering curriculum at UCLA provides students with the education and training necessary to design, implement, test, and utilize the hardware and software of digital computers and digital systems. The curriculum has components spanning both the Computer Science and Electrical

and Computer Engineering departments. The curriculum covers all aspects of computer systems from electronic design through logic design, MSI, LSI, and VLSI concepts; device utilization, machine language design, implementation and programming, operating system concepts, systems programming, networking fundamentals, and higher-level language skills; and their application. Students are prepared for employment in a wide spectrum of high-technology industries. The computer science and engineering program is accredited by the Computing Accreditation Commission and the Engineering Accreditation Commission of ABET.

Capstone Major

The Computer Science and Engineering major is a designated capstone major. Computer Science and Engineering students complete a major product design course. Graduates are expected to apply the basic mathematical and scientific concepts that underlie modern computer science and engineering; design a software or digital hardware system, component, or process to meet desired needs within realistic constraints; function productively with others as part of a team; identify, formulate, and solve computer software- and hardware-related engineering problems; and demonstrate effective communication skills.

Learning Outcomes

1. Application of basic mathematical and scientific concepts that underlie the modern field
2. Design of a software or digital hardware system, component, or process to meet desired needs within realistic constraints

3. Function productively with others on a team, including those with different specialties within the field

4. Identification, formulation, and solution of computer software- and hardware-related engineering problems

5. Effective communication

Major Requirements

Preparation for the Major

Complete 18 courses as follows:

COM SCI 1 - Freshman Computer Science Seminar

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

COM SCI 33 - Introduction to Computer Organization

COM SCI 35L - Software Construction

EC ENGR 3 - Introduction to Electrical Engineering

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MATH 61 - Introduction to Discrete Structures

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

Computer Science M51A or Electrical and Computer Engineering M16

Select one course from:

COM SCI M51A - Logic Design of Digital Systems

EC ENGR M16 - Logic Design of Digital Systems

Physics 4AL or 4BL

Select one course from:

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete 19 courses as follows: 10 required courses, one probability course, one capstone design course, one electrical and computer engineering elective, three computer science electives, and three courses (12 units) of technical breath.

COM SCI 111 - Operating Systems Principles

COM SCI 118 - Computer Network Fundamentals

COM SCI 131 - Programming Languages

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI 181 - Theory of Computing

EC ENGR 100 - Electrical and Electronic Circuits

EC ENGR 102 - Systems and Signals

EC ENGR 115C - Digital Electronic Circuits

Computer Science M151B or Electrical and Computer Engineering M116C

Select one course from:

COM SCI M151B - Computer Systems Architecture

EC ENGR M116C - Computer Systems Architecture

Computer Science M152A or Electrical and Computer Engineering M116L

Select one course from:

COM SCI M152A - Introductory Digital Design Laboratory

EC ENGR M116L - Introductory Digital Design Laboratory

Probability

Select one course from:

C&EE 110 - Introduction to Probability and Statistics for Engineers

EC ENGR 131A - Probability and Statistics

MATH 170A - Probability Theory I

MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

Capstone Design

Complete the following course:

COM SCI 152B - Digital Design Project Laboratory

Electrical and Computer Engineering Elective

Complete a minimum of 4 units and one elective course from Electrical and Computer Engineering 101A through M185.

Computer Science Elective

Complete a minimum of 12 units and three elective courses from Computer Science 111 through CM187, and up to 8 units of Computer Science 188.

Technical Breadth

Complete 12 units of technical breadth courses from an approved list available in the Office of Academic and Student Affairs. Students who want to deepen their knowledge of electrical engineering are encouraged to select that discipline as their technical breadth area.

Policies

The Major Policies

List of technical breadth courses available in the **Office of Academic and Student Affairs**.

For information on UC, school, and general education requirements, see the **Samueli school** section in College and Schools.

Credit is not allowed for both Computer Science 170A and Electrical and Computer Engineering 133A unless at least one of them is applied as part of the technical breadth area. Electrical and Computer Engineering 110, 131A, and CM182 may not satisfy elective credit. A petition may be submitted to consider four units of Computer Science 194 or 199 for an elective. Credit is not guaranteed and subject to vice chair review.

A multiple-listed (M) course offered in another department may be used instead of the same computer science course (e.g., Electrical and Computer Engineering M116C may be taken instead of Computer Science M151B). Credit is applied automatically.

Major

Computer Science BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Computer Science

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Computer Science curriculum is designed to accommodate students who want professional preparation in computer science but do not necessarily have a strong interest in computer systems hardware. The curriculum consists of components in computer science, a minor or technical support area,

and a core of courses from the social sciences, life sciences, and humanities. Within the curriculum, students study subject matter in software engineering, principles of programming languages, data structures, computer architecture, theory of computation and formal languages, operating systems, distributed systems, computer modeling, computer networks, compiler construction, and artificial intelligence. Majors are prepared for employment in a wide range of industrial and business environments.

The computer science program is accredited by the Computing Accreditation Commission of ABET.

Capstone Major

The Computer Science major is a designated capstone major. Students complete either a software engineering or a major product design course. Graduates are expected to apply the basic mathematical and scientific concepts that underlie modern computer science and engineering; design a software or digital hardware system, component, or process to meet desired needs within realistic constraints; function productively with others as part of a team; identify, formulate, and solve computer software- and hardware-related engineering problems; and demonstrate effective communication skills.

Learning Outcomes

1. Application of basic mathematical and scientific concepts that underlie the modern field
2. Design of a software or digital hardware system, component, or process to meet desired needs within realistic constraints

3. Function productively with others on a team, including those with different specialties within the field

4. Identification, formulation, and solution of computer software- and hardware-related engineering problems

5. Effective communication

Major Requirements

Preparation for the Major

Complete 17 courses as follows:

- COM SCI 1 - Freshman Computer Science Seminar
- COM SCI 31 - Introduction to Computer Science I
- COM SCI 32 - Introduction to Computer Science II
- COM SCI 33 - Introduction to Computer Organization
- COM SCI 35L - Software Construction
- MATH 31A - Differential and Integral Calculus
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations
- MATH 61 - Introduction to Discrete Structures
- PHYSICS 1A - Physics for Scientists and Engineers: Mechanics
- PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

Computer Science M51A or Electrical and Computer Engineering M16

Select one course from:

COM SCI M51A - Logic Design of Digital Systems

EC ENGR M16 - Logic Design of Digital Systems

Physics 4AL or 4BL

Select one course from:

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete the following seven required courses, one probability course, five courses (20 units) of computer science electives, three courses (12 units) of science and technology courses, and 12 units of technical breadth courses:

COM SCI 111 - Operating Systems Principles

COM SCI 118 - Computer Network Fundamentals

COM SCI 131 - Programming Languages

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI 181 - Theory of Computing

Computer Science M151B or Electrical and Computer Engineering M116C

Select one course from:

COM SCI M151B - Computer Systems Architecture

EC ENGR M116C - Computer Systems Architecture

Computer Science M152A or Electrical and Computer Engineering M116L

Select one course from:

COM SCI M152A - Introductory Digital Design Laboratory

EC ENGR M116L - Introductory Digital Design Laboratory

Probability

Select one course from:

C&EE 110 - Introduction to Probability and Statistics for Engineers

EC ENGR 131A - Probability and Statistics

MATH 170A - Probability Theory I

MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

Capstone Software Engineering or Design

Select one course from:

COM SCI 130 - Software Engineering

COM SCI 152B - Digital Design Project Laboratory

Computer Science Electives

Complete a minimum of 20 units and five elective courses from Computer Science 111 through CM187, and up to 8 units of Computer Science 188.

Science and Technology

Complete a minimum of 12 units and three science and technology courses (not used to satisfy other requirements) that may include 12 units of upper-division computer science courses or 12 units of courses selected from an approved list available in the Office of Academic and Student Affairs.

Technical Breadth

Complete 12 units of technical breadth courses from an approved list available in the Office of Academic and Student Affairs.

Policies

The Major Policies

Students must take at least one course from Computer Science 130 or 132. Computer Science 130 or 152B may be applied as an elective only if it is not taken as the capstone course.

List of technical breadth courses available in the Office of Academic and Student Affairs.

For information on UC, school, and general education requirements, see the Samueli school section in College and Schools.

Credit is not allowed for both Computer Science 170A and Electrical and Computer Engineering 133A unless at least one of them is applied as part of the science and technology requirement or as part of the technical breadth area. A petition may be submitted to consider four units of Computer Science 194 or 199 for an elective. Credit is not guaranteed and subject to vice chair review.

A multiple-listed (M) course offered in another department may be used instead of the same computer science course (e.g., Electrical and Computer Engineering M116C may be taken instead of Computer Science M151B). Credit is applied automatically.

Minor

Bioinformatics Minor

College / School

Henry Samueli School of Engineering and Applied Science

Department

Computer Science

Level

Undergraduate

Overview

The Bioinformatics minor introduces undergraduate students to the emerging interdisciplinary field of bioinformatics, an active area of research at UCLA combining elements of the computational sciences with the biological sciences. The minor organizes the many course offerings in different UCLA departments into a coherent course plan providing students with significant training in bioinformatics in addition to the training they obtain from their major. Students who complete the minor will be strong candidates for admission to PhD programs in bioinformatics as well as have the relevant training to obtain jobs in the biotechnology industry.

Students complete a core curriculum and an elective course and are strongly encouraged to participate in undergraduate research as early as possible in one of the many groups offering research opportunities in bioinformatics.

Entry to the Minor

Admission

To enter the minor, students must be (1) in good academic standing (2.0 grade-point average or better), (2) have completed at least two of the lower-division requirements with minimum grades of C, and (3) file a petition through Message Center. Steps to apply are outlined on the Office of Academic and Student Affairs website. Information about the minor and the application are available on the minor website.

Minor Requirements

The Minor

Required Lower-Division Courses (17 units minimum)

Complete the following four courses. Students may select Computer Science 32 or Program in Computing 10C.

- COM SCI 32 - Introduction to Computer Science II
- COMPTNG 10C - Advanced Programming
- LIFESCI 7A - Cell and Molecular Biology
- MATH 33A - Linear Algebra and Applications
- MATH 61 - Introduction to Discrete Structures

Required Upper-Division Courses (18 units minimum)

Complete either Computer Science 180 or Mathematics 182; Computer Science M184; two additional computer science courses; and one elective course. Students are strongly encouraged to take Computer Science M184 as early as possible to obtain an overview of computational biology.

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI M184 - Introduction to Computational and Systems Biology

MATH 182 - Algorithms

ADDITIONAL COMPUTER SCIENCE

Select two courses from:

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

ELECTIVE

Select one course from:

CHEM C100 - Genomics and Computational Biology

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

C&EE 110 - Introduction to Probability and Statistics for Engineers

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

COM SCI 170A - Mathematical Modeling and Methods for Computer Science

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

COM SCI CM187 - Research Communication in Computational and Systems Biology

EE BIOL C135 - Population Genetics

EC ENGR 102 - Systems and Signals

EC ENGR 131A - Probability and Statistics

EC ENGR 141 - Principles of Feedback Control

HUM GEN C144 - Genomic Technology

MATH 170A - Probability Theory I

MATH 170E - Introduction to Probability and Statistics 1: Probability

MIMG 132 - Cell Biology of Nucleus

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

PHYSCI 125 - Molecular Systems Biology

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

Policies

The Minor Policies

Eight units of either Bioinformatics 199 or Computer Science 194 or 199 may be applied as an elective by petition.

If students apply any of Civil and Environmental Engineering 110, Electrical and Computer Engineering 131A, Mathematics 170A, 170E, or Statistics 100A toward major requirements or another minor, then no other course from that set may be applied toward the minor requirements.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

All minor courses must be taken for a letter grade (unless not offered on that grading basis), and students must have a minimum grade of C– in each and an overall C (2.0) grade-point average in all courses taken for the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Data Science Engineering Minor

College / School

Henry Samueli School of Engineering and Applied Science

Department

Electrical and Computer Engineering

Level

Undergraduate

Overview

The minor is intended to expose students to the entire data science life cycle from both foundational and application perspectives. The foundational courses provide the engineering skills to collect, cleanse, and store data; analyze and draw inference from data; and take action and make decisions. A wide-ranging list of interdisciplinary courses focuses on various data-science applications using these skills.

Entry to the Minor

Admission

To apply for the minor, students must have an overall grade-point average of 3.0 or better, have completed or be in the process of completing in the present quarter the two lower-division required courses with the grade B- or better, and file a petition through Message Center. Steps to apply are outlined on the Office of Academic and Student Affairs website. Information about the minor and the application are available on the minor website.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete the following two courses:

- COM SCI 32 - Introduction to Computer Science II
- MATH 33A - Linear Algebra and Applications

Required Upper-Division Courses (12 units minimum)

Complete three courses as follows:

PROBABILITY

Select one course from:

- C&EE 110 - Introduction to Probability and Statistics for Engineers
- EC ENGR 131A - Probability and Statistics
- MATH 170A - Probability Theory I
- MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

DATA SCIENCE

Select one course from:

COM SCI M148 - Introduction to Data Science

EC ENGR M148 - Introduction to Data Science

DATA MINING OR MACHINE LEARNING

Select one course from:

COM SCI 145 - Introduction to Data Mining

COM SCI M146 - Introduction to Machine Learning

EC ENGR M146 - Introduction to Machine Learning

Elective Upper-Division Courses (8 units minimum)

Select two courses from following list. Electrical and Computer Engineering 183DA and 183DB must both be taken to satisfy requirement. Courses used to satisfied the required upper-division courses may not be used to satisfy the elective courses.

COM SCI M119 - Fundamentals of Embedded Networked Systems

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

COM SCI 143 - Data Management Systems

COM SCI 145 - Introduction to Data Mining

COM SCI M146 - Introduction to Machine Learning

COM SCI 161 - Fundamentals of Artificial Intelligence

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI M182 - Dynamic Biosystem Modeling and Simulation Methodology

EC ENGR 102 - Systems and Signals

EC ENGR 113 - Digital Signal Processing

EC ENGR 114 - Speech and Image Processing Systems Design

EC ENGR M119 - Fundamentals of Embedded Networked Systems

EC ENGR 133A - Applied Numerical Computing

EC ENGR M146 - Introduction to Machine Learning

EC ENGR C147 - Neural Networks and Deep Learning

EC ENGR 183DA - Design of Robotic Systems I

EC ENGR 183DB - Design of Robotic Systems II

MECH&AE C137 - Design and Analysis of Smart Grids

MECH&AE 185 - Introduction to Radio Frequency Identification and Its Application in Manufacturing and Supply Chain

STATS 100B - Introduction to Mathematical Statistics

STATS 115 - Probabilistic Decision Making

STATS 170 - Introduction to Time-Series Analysis

STATS C180 - Introduction to Bayesian Statistics

Policies

The Minor Policies

Variable topics courses may be taken as topics apply.

Transfer credit for any of the above is subject to approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and student must have a minimum grade of C in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is

indicated on the transcript and diploma.

Major

Computer Science MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Computer Science

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

008J - Master of Business Administration

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Conservation of Cultural Heritage Overview

You're now viewing the 2024-25 Catalog

Interdepartmental Program
College of Letters and Science

A210 Fowler Building
Box 951510
Los Angeles, CA 90095-1510

Conservation of Cultural Heritage
310-825-9407
E-mail contact

Glenn Wharton, PhD, *Chair*

The UCLA/Getty Conservation interdepartmental program provides an excellent platform for education and research in the conservation of material culture. It supports discovery and innovation through research that transcends the boundaries of traditional disciplines. It uniquely trains cultural property professionals in the best practices and methods of cultural heritage conservation through various pedagogical approaches including, but not limited to, core teaching and learning, independent research, and laboratory experience in museums and in the field. Finally, it positively impacts the community by engaging with a more informed public that would seek to protect cultural heritage from imminent threats.

Graduate Study

The program offers two degree options: a practice-focused three-year Master of Arts (MA) degree in Conservation of Cultural Heritage, and a research-focused Doctor of Philosophy (PhD) degree in

Conservation of Material Culture. Though the two degrees share a scholarly approach to the discipline and strong commitment to the advancement of the conservation profession, they provide distinctive competencies, preparing students for different careers in the cultural heritage section and beyond.

The aim of the program is to train the next generation of multidisciplinary researchers, heritage practitioners, and cross-cultural leaders in the theoretical and experimental developments and policy of conservation and sustainable preservation of material culture. Through this training, graduates will bring innovative, cutting-edge methods and holistic approaches to the conservation profession. More specifically, these degree programs aim to provide students with integrated, comprehensive curricula to foster the next generation of conservation professionals and leaders with strong research, theoretical, and applied qualitative and quantitative skills; rigorous training in conservation theory, praxis, ethics, policy, and research; substantive research training in a specific domain of application in conservation; and experiential learning and mentoring in communication, scientific writing skills, and the ability to work in multidisciplinary teams.

The objectives of the program are to provide students with a solid educational base and practical training in the conservation of both archaeological and ethnographic materials, as well as an appreciation of the often complex issues related to significance, access, and use of these materials that can be very different from the criteria for conservation of fine art or historical materials. The special focus of the program and its interdisciplinary curriculum serves the archaeological, scientific, native, and cultural minority communities alike and offers a nexus at the boundaries of conservation, archaeology, ethnography, the natural sciences, and engineering.

The partnership between UCLA and the Getty in establishing the program ensures that both a major research university and an institution with a principal mandate for conservation of world cultural heritage are working to create rich and vibrant conservation training opportunities. The program helps students develop working relationships with a wide array of colleagues in the Getty Conservation Institute, the J. Paul Getty Museum, other local museums and cultural organizations, and different departments and programs at UCLA.

Conservation of Cultural Heritage Faculty Committee

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Kathlyn (Kara) M. Cooney, PhD *(Near Eastern Languages and Cultures)*
Justin P. Dunnavant, PhD *(Anthropology)*
Ioanna Kakoulli, DPhil *(Materials Science and Engineering)*
Caitlin O'Grady *(Anthropology)*
Michael Osman, PhD *(Architecture and Urban Design)*
Thiago Sevilhano Puglieri *(Art History)*
M. Rahim Shayegan, PhD *(Near Eastern Languages and Cultures)*
Lothar von Falkenhausen, PhD *(Art History)*
Glenn Wharton, PhD *(Art History)*

Major

Conservation of Cultural Heritage MA

College / School

College of Letters and Science

Department

Conservation of Cultural Heritage

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Conservation of Material Culture MS, PhD

College / School

College of Letters and Science

Department

Conservation of Cultural Heritage

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Dentistry Overview

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School of Dentistry

A0-111 School of Dentistry
Box 951762
Los Angeles, CA 90095-1762

Dentistry
310-825-9789

Paul H. Krebsbach, DDS, PhD, *Dean*

The UCLA School of Dentistry offers courses for general campus students. Dentistry 199 and 199H are individual special studies courses for UCLA undergraduates with definitive research interests and abilities applicable to dentistry. The subject areas include oral biology, clinical research, and dental health policy. Interested students should contact the associate dean of research at 310-825-6401 to obtain the names and areas of interest of participating School of Dentistry faculty members.

Dentistry **faculty information** is available from the department.

Major

Doctor of Dental Surgery

College / School
School of Dentistry

Department
Dentistry

Degree Level

Graduate

Degree Objective

Doctor of Dental Surgery

Overview

Information about the program, how to apply, and requirements is available on the school website.

Design|Media Arts Overview

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School of the Arts and Architecture

2275 Broad Art Center
Box 951456
Los Angeles, CA 90095-1456

Design|Media Arts
310-825-9007
Department e-mail

Eddo I. Stern, *Chair*

The Department of Design|Media Arts offers the Bachelor of Arts (BA) and Master of Fine Arts (MFA) degrees. The BA degree focuses on visual communication design, with emphasis on digital media. The MFA degree focuses on media arts. These uniquely challenging programs invite students to balance aesthetic sensibility with logical reasoning, formal theories with practical application, and contemporary thought with historical perspective.

The Department of Design|Media Arts reserves the right to hold for exhibition purposes examples of any work done in classes and to retain for the permanent collection of its galleries such examples as may be selected.

Facilities

Facilities and equipment in the department enable students to create work in two, three, and four dimensions. They expand opportunities for students to develop interactive media applications in a networked environment and advanced computer graphics. The department equipment includes computer laboratories with high-end PC and Macintosh computers and relevant software for the creation of works

for print, web, video, and other media, a fabrication laboratory with equipment ranging from table saws to three-dimensional printers to a CNC machine to create physical objects combined with electronics, and a print laboratory with high-quality printers.

Design|Media Arts Faculty Roster

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Professors

Erkki I. Huhtamo, PhD
Peter B. Lunenfeld, PhD
Lauren L. McCarthy, MFA
Rebeca Méndez, MFA
Casey E.B. Reas, MS
Ramesh Srinivasan, PhD
Eddo I. Stern, MFA
Victoria Vesna, MFA, PhD

Professors Emeriti

Rebecca Allen, MS
James W. Bassler, MA
Johanna R. Drucker, PhD *(Martin and Bernard Breslauer Professor Emerita of Bibliography)*
Robert A. Israel, MFA
Willem Henri Lucas, BA
Vasa V. Mihich
Christian A. Moeller, Dipl–ING
Jennifer J. Steinkamp, MFA

Associate Professor

Mindy Seu, MDes

Assistant Professors

Jenna B. Caravello, MFA
Chandler B. McWilliams, MFA, MA
Romi Morrison, PhD

Lecturer

Refik Anadol, MFA

Major

Design|Media Arts BA

College / School

School of the Arts and Architecture

Department

Design|Media Arts

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The undergraduate program begins with the study of basic design elements and processes: form, color, drawing, letterforms and typography, motion, and interactivity. Historical perspectives and social issues are also introduced. At the upper-division level, studio courses explore current uses of interactive media

and new directions in visual communication design, including the study of time and motion, as well as virtual form and space in computer-generated environments. Through a balance of courses in theory, criticism, and practice, students develop an understanding of design principles. Most courses are taught as studios of no more than 22 students, which encourages individual growth and fosters a sense of community within the department.

Capstone Major

The Design | Media Arts major is a designated capstone major. Students are required to complete an advanced project of their own that entails full engagement with the design process. Through their capstone work, students demonstrate their capacities for research, ideation/concept development, creative and design direction, communication strategy, design, production/fabrication, and critical analysis. Capstone courses focus on career choice, and final projects are showcased at the spring senior show.

Learning Outcomes

1. Deep understanding of the field through immersion
2. Exploration and development of ideas through listening to and observation of patterns
3. Definition of an event and its surroundings and mise-en-scène, and the ethos of the student's idea
4. Development of the specifics of a design

5. Conceptualization of how an idea reaches its audience, how and when it launches, and how it stays relevant and vibrant

6. Designed specifics of each element of the visual vocabulary—from graphic elements to photography, videography, and illustrations—including definition of spatial, material, and auditory elements

7. Thorough research of appropriate and relevant production methods

8. Analysis, review, and critique of others' work

Major Requirements

Preparation for the Major

Complete the following seven courses:

DESMA 8 - Media Histories

DESMA 10 - Design Culture

DESMA 21 - Drawing and Color

DESMA 22 - Form

DESMA 24 - Motion

DESMA 25 - Typography

DESMA 28 - Interactivity

The Major

Twelve upper-division courses as follows:

DESMA 101 - Media Arts: Introduction

DESMA 104 - Design Futures

Design|Media Arts Additional Courses

Select six courses from:

- DESMA 110 - Tangible Media
- DESMA 111 - Art and the Internet
- DESMA 125 - Game Design
- DESMA 126 - Game Engine
- DESMA 127 - Interactive Animation
- DESMA 131 - Three-Dimensional Modeling and Motion
- DESMA 140 - Word + Image
- DESMA 153 - Video
- DESMA 163 - Narrative

Design|Media Arts Topics

Select three courses from:

- DESMA 160 - Special Topics in Design | Media Arts
- DESMA 171 - Topics in Interactivity and Games
- DESMA 172 - Topics in Video and Animation
- DESMA 173 - Topics in Visual Communication and Image

Capstone

Complete the following course:

- DESMA 159 - Capstone Senior Project in Design Media Arts

Policies

The Major Policies

It is recommended that students have each term's program approved by the departmental adviser.

Consult the **Schedule of Classes** for courses limited to majors only.

Major

Design|Media Arts MFA

College / School

School of the Arts and Architecture

Department

Design|Media Arts

Degree Level

Graduate

Degree Objective

Master of Fine Arts

Overview

The three-year Master of Fine Arts (MFA) program fosters mature, professional-quality work utilizing the most current technologies in the field of media arts. The program focuses on developing an individual

thesis project that incorporates in-depth research and theoretical exploration of a topic, culminating in a final exhibition of work.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Digital Humanities Overview

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Interdisciplinary Minor
College of Letters and Science

212 Royce Hall
Box 951539
Los Angeles, CA 90095-1539

Digital Humanities
310-825-1147
Minor e-mail

Christopher J. Johanson, PhD, ***Chair***
Ashley R. Sanders, PhD, ***Vice Chair***

The Digital Humanities minor is an interdisciplinary minor that studies the foundations and futures of the digital world. Digital humanities interprets the cultural and social impact of the new information age as well as creates and applies new technologies to answer cultural, social, and historical questions, both those traditionally conceived and those enabled by new technologies. The interdisciplinary curriculum draws on faculty members from more than 15 departments, five schools, and three research centers at UCLA. It places project-based learning at the heart of the curriculum, with students working in collaborative teams to realize digital research projects with real-world applications. Students use tools and methodologies such as three-dimensional visualization, data mining, network analysis, and digital mapping to conceptualize and advance research projects. Students have the opportunity to make significant contributions to scholarship in fields ranging from archaeology and architecture to history and literature. By preparing students to be active participants in the design and production of new knowledge, the minor emphasizes the critical thinking skills, creativity, and collaborative methodologies necessary for success in the digital information age.

Digital Humanities Faculty Committee

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Francesca M. Albrezzi, PhD *(European Languages and Transcultural Studies)*
Michelle L. Caswell, PhD *(Asian American Studies, Information Studies)*
Meredith M. Cohen, PhD *(Art History)*
Maria (Maite) T. de Zubiaurre, PhD *(European Languages and Transcultural Studies, Spanish and Portuguese)*
Christopher J. Johanson, PhD *(Classics)*
Peter B. Lunenfeld, PhD *(Design|Media Arts)*
David W. MacFadyen, PhD *(Comparative Literature, Musicology)*
Cindy A. Nguyen, PhD *(Information Studies)*
Safiya U. Noble, PhD *(African American Studies, Gender Studies)*
Veronica A. Paredes, PhD *(Film, Television, and Digital Media)*
Miriam Posner, PhD *(European Languages and Transcultural Studies, Information Studies)*
Todd S. Presner, PhD *(Comparative Literature, European Languages and Transcultural Studies)*
Ashley R. Sanders, PhD *(European Languages and Transcultural Studies)*
Daniel S. Snelson, PhD *(English)*
Francis F. Steen, PhD *(Communication)*
Sixiang Wang, PhD *(Asian Languages and Cultures)*

Minor

Digital Humanities Minor

College / School

College of Letters and Science

Department

Digital Humanities

Level

Undergraduate

Overview

The Digital Humanities minor is intended to provide students with literacy in creating, interpreting, and applying the technologies of the digital world. It examines the cultural and social impact of new technologies and enables students to harness these technologies to develop their own research projects in a wide range of fields.

Entry to the Minor

Admission

To apply for the minor, students must (1) have an overall grade-point average of 2.7 or better and (2) submit an application essay supporting their interest in pursuing the minor and enumerating any digital projects that they have already undertaken. On acceptance to the minor, students are expected to identify an academic area of digital humanities in which they intend to concentrate. Information about the minor is available on the minor website. To submit an application for the minor, see the website.

Minor Requirements

The Minor

Required Lower-Division Course (4 to 6 units)

Select one course from:

- AN N EA 10W - Jerusalem: Holy City
- ARCH&UD 10A - Histories of Architecture and Urbanism I
- CLASSIC 10 - Discovering Greeks
- CLASSIC 20 - Discovering Romans
- CLASSIC 42 - Cinema and Ancient World
- CLUSTER 66A - Los Angeles: The Cluster
- DGT HUM 30 - Los Angeles Tech City: Digital Technologies and Spatial Justice
- GERMAN 61A - Modern Metropolis: Berlin
- INF STD 20 - Digital Cultures and Societies
- INF STD 30 - Internet and Society

Required Upper-Division Courses (25 to 28 units):

Complete six courses as follows:

DGT HUM 101 - Introduction to Digital Humanities

UPPER-DIVISION ELECTIVE

Select one from Digital Humanities 110 through 160:

Digital Humanities 110 through 160

CAPSTONE

Select one course from:

DGT HUM 187 - Capstone Seminar in Digital Humanities

DGT HUM 198 - Honors Research in Digital Humanities

DGT HUM 199 - Directed Research in Digital Humanities

ADDITIONAL ELECTIVES

Select three courses from the following list. Only one course from Digital Humanities 195 or 196 may be applied.

AN N EA M101C - Ancient Egyptian Temple and City of Thebes

AN N EA 125A - Digital Cultural Mapping Core Course A: Place, Time, and Digital World

AN N EA M125B - Digital Cultural Mapping Core Course B: Google Earth, Geographic Information Systems, Hypercities, and Timelines

AN N EA M125C - Digital Cultural Mapping Core Course C: Summer Research

AN N EA 162 - Archaeology, Identity, and Bible

AN N EA C165 - Egyptian Archaeology

AN N EA CM169 - Introduction to Archaeological Sciences

ANTHRO CM110Q - Introduction to Archaeological Sciences

ANTHRO M116R - Archaeological Landscapes of China

ARCH&UD M125B - Digital Cultural Mapping Core Course B: Google Earth, Geographic Information Systems, Hypercities, and Timelines

ARCH&UD M125C - Digital Cultural Mapping Core Course C: Summer Research

ARCH&UD 132 - Histories of Housing and Domesticity: 19th Century to the Present

ARMENIA C153 - Art, Politics, and Nationalism in Modern Armenian Literature

ART HIS M110C - Ancient Egyptian Temple and City of Thebes

ART HIS C145A - Architecture and Urbanism in Africa

ART HIS C145B - Contemporary Arts of Africa

CHIN M183 - Archaeological Landscapes of China

CLASSIC 164 - Spectacle Entertainments of Ancient Rome

CLASSIC 166B - Roman Religion

DESMA 104 - Design Futures

DGT HUM 151 - Advanced Topics in Urban Humanities

DGT HUM 195 - Community or Corporate Internships in Digital Humanities

DGT HUM 196 - Research Apprenticeship in Digital Humanities

ENGL 118A - Interdisciplinary Studies in Literature

HIST 188 - Special Courses in History

KOREA 183 - Korean Folklore

KOREA 187 - Popular and Folk Religion in Korea

RUSSN 121 - Russian Pop Culture

RUSSN 129 - Animation and Music Video

SCAND C133A - Saga

SCAND C171 - Introduction to Scandinavian Folklore

SOC GEN 131 - Data, Artificial Intelligence, and Algorithms in the Biosciences

SOC GEN 175 - Current Directions in Social and Historical Study of Science

SPAN 130 - Topics in Medieval Studies

SPAN 150 - Topics in Contemporary Studies

SPAN 170 - Topics in Interdisciplinary and Transhistorical Studies

URBN PL 129 - Special Topics in Urban Policy and Research

URBN PL 141 - Planning with Minority Communities

Policies

The Minor Policies

Variable topics courses may be taken as topics apply.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

Disability Studies Overview

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Interdepartmental Program
College of Letters and Science

A265 Murphy Hall
Box 951430
Los Angeles, CA 90095-1430

Disability Studies
424-259-5318
E-mail contact

Victoria E. Marks, BA, *Chair*

Disability—whether bodily, cognitive, emotional, or sensory—is part of the fabric of universal human experience; yet it is often regarded as a deficit to be fixed, cured, or hidden, with disabled individuals cast as unfortunate victims. The robust Disability Studies program is challenging this view, changing attitudes, and redefining normal. By exploring disability as a social issue and cultural identity rather than a medically defined condition, students are prepared to use the experience of disability as a lens to re-envision models of access, inclusion, participation, communication, and equality.

Led by some of the most distinguished UCLA faculty, disability studies examines the meaning and nature of disability from a variety of perspectives including arts and humanities, health sciences, social sciences, public policy, design and technology, and education. At UCLA, the conversation around disability has shifted from exclusion to inclusion, from limitations to possibilities.

Disability Studies Faculty Committee

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Salih Can Açiksöz, PhD *(Anthropology)*
Juliann T. Anesi, PhD *(Gender Studies)*
Bruce L. Baker, PhD *(Psychology)*
Lauren Clark, PhD *(Nursing)*
Helen E. Deutsch, PhD *(English)*
Rachel C. Lee, PhD *(English, Gender Studies, Society and Genetics)*
Victoria E. Marks, BA *(World Arts and Cultures/Dance)*
Lauren L. McCarthy, MFA *(Design|Media Arts)*
Christina G. Palmer, PhD *(Human Genetics, Psychiatry and Biobehavioral Sciences, Society and Genetics)*

Major

Disability Studies BA

College / School
College of Letters and Science

Department
Disability Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Disability Studies is a multifaceted field that examines the nature, meaning, and consequences of disability. The Bachelor of Arts (BA) degree in Disability Studies is an interdisciplinary, community-based, capstone major. It appeals to undergraduates seeking a conceptual and practical understanding of

disability as a foundation for graduate or professional studies and/or careers across a broad spectrum of professions. The major curriculum recognizes disability as a central part of our lived experience; a critical dimension of social, cultural, and political identity; and a frequent target of discrimination and exclusion. Through foundational courses, interdisciplinary electives, community-engaged course work, and a senior capstone research project, students in the major learn to think critically about disability as a core aspect of the human experience, preparing them to enact transformational change across disability communities and beyond.

Capstone Major

The Disability Studies major is a designated capstone major. Students have the option of completing a capstone seminar (Disability Studies 191) or independent research project (Disability Studies 198A and 198B, or 199A and 199B) that enables them to use knowledge and skills acquired through previous coursework to engage, under the guidance of a faculty member, in a research or creative project that results in a final paper or other product.

Learning Outcomes

1. Demonstrated understanding of disability studies concepts, theories, history, and political movements
2. Integration of multiple perspectives on disability through interdisciplinary inquiry
3. Development of professional skills through academic and applied experiences
4. Use of theory to inform practice through participation in community-engaged learning activities

5. Conduction and communication of research to various audiences

Entry to the Major

Admission

Students must first complete all preparation for the major courses. Students must have a UC grade-point average (GPA) of 2.0 or better in those courses and an overall GPA of 2.0. Students are accepted into the major on a rolling basis but no later than the end of spring quarter of their junior year.

Pre-Major

Incoming first-year students may be admitted as Disability Studies pre-majors on acceptance to UCLA. Pre-major students must apply for major standing by the end of spring quarter of their junior year. All other students must first complete Disability Studies 1, and then contact the undergraduate counselor in A316 Murphy Hall to request pre-major standing.

Transfer Students

Transfer applicants to the Disability Studies major with 90 or more units must complete the following preparatory courses prior to admission to UCLA: one social theory course; one race, identity, and society course; one humanities and ethics course; and one data analysis course. Disability Studies 1 must be taken at UCLA once a transfer student is admitted to the University.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete five courses as follows:

DIS STD 1 - Construction of (Dis)ability and Ableism in U.S.

Social Theory

Select one course from:

ANTHRO 3 - Culture and Society

PUB AFF 10 - Social Problems and Social Change

PUB AFF 80 - How Social Environments Shape Human Development

SOCIOL 1 - Introductory Sociology

Race, Identity, and Society

Select one course from:

AF AMER 1 - Introduction to Black Studies

AF AMER 6 - Trends in Black Intellectual Thought

AM IND M10 - Introduction to American Indian Studies

ASIA AM 10 - History of Asian Americans

ASIA AM 20 - Contemporary Asian American Communities

ASIA AM 30 - Asian American Literature and Culture

ASIA AM 40 - Asian American Movement

ASIA AM 50 - Asian American Women

CCAS 10A - Introduction to Chicana/Chicano Studies: History and Culture

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

CCAS 20 - Central American Studies: Histories and Cultures

CLUSTER 20B - Race and Indigeneity in U.S.

CLUSTER M72B - Sex from Biology to Gendered Society

CLUSTER 80BX - Frontiers in Human Aging

COMM M72B - Sex from Biology to Gendered Society

DESMA 10 - Design Culture

EDUC 11 - Education, Equality, and Future of American Society: Problems, Prospects, and Policies

GENDER 10 - Introduction to Gender Studies

LBR STD 10 - Introduction to Labor and Workplace Studies

SOC GEN M72B - Sex from Biology to Gendered Society

SOCIOL M72B - Sex from Biology to Gendered Society

WL ARTS M23 - Introduction to American Indian Studies

Humanities and Ethics

Select one course from:

CLUSTER M71B - Biotechnology and Society

CLUSTER 73B - Brain, Bodymind, and Society: All in Your Head?

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

DESMA 10 - Design Culture

MCD BIO 60 - Biomedical Ethics

PHILOS 22 - Introduction to Ethical Theory

PHILOS 22W - Introduction to Ethical Theory

SOC GEN 5 - Integrative Approaches to Human Biology and Society

SOC GEN M71B - Biotechnology and Society

Data Analysis

Select one course from:

EDUC 35 - Introduction to Inquiry and Research in Education

LIFESCI 40 - Statistics of Biological Systems

POL SCI 6 - Introduction to Data Analysis

PUB AFF 60 - Using Data to Learn about Society: Introduction to Empirical Research and Statistics

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

The Major

Core (5 units)

Complete the following course:

DIS STD 101W - Perspectives on Disability Studies

Disability-Centered Electives (8 units)

Select two courses from the following. Anthropology 149 may only be applied if the topic offers an interdisciplinary perspective of disability. Nursing M172 and M172XP must be taken together to satisfy one course.

ASL M115 - Enforcing Normalcy: Deaf and Disability Studies

ANTHRO 137P - Anthropology of Deviance and Abnormality

ANTHRO 149 - Selected Topics in Social Anthropology

ASIA AM M117 - Asian American Personality and Mental Health

DESMA 171 - Topics in Interactivity and Games

EDUC 104A - Introduction to Exceptional Learners

EDUC 132 - Autism: Mind, Brain, and Education

ENGL M103 - Studies in Disability Literatures

GENDER M121 - Topics in Gender and Disabilities

GENDER 152 - Gender, Disability, and Education

GENDER M161 - Sports, Normativity, and Body

HNRS M183 - Being Human: Identity and Mental Illness

NURSING M172 - Care Work: Disability Justice and Health Care

NURSING M172XP - Care Work: Disability Justice and Health Care

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 127A - Clinical Psychological Science

PSYCH 127B - Clinical Psychological Science: Biological Bases

PSYCH 127C - Clinical Psychological Science: Developmental Perspectives

PSYCH 132A - Learning Problems, Schooling Problems: Policy and Practice

PSYCH M139 - Perspectives on Autism and Neurodiversity

SOC GEN M166 - Health-Care Ethics

SOC GEN M183 - Being Human: Identity and Mental Illness

SOCIOL M120 - Disability Rights Law

SOCIOL M148 - Sociology of Mental Illness

DISABILITY STUDIES

Disability Studies 102 through 187

Interdisciplinary Perspectives on Disability (16 units)

Select one course from each of the following categories:

CATEGORY 1: HEALTH HUMANITIES AND BIOETHICS

Select one course from the following. Anthropology 149 may only be applied if the topic offers an interdisciplinary perspective of disability. Disability Studies M172 and M172XP, or Nursing M172 and M172XP, must be taken together to satisfy one course.

ANTHRO 137P - Anthropology of Deviance and Abnormality

ANTHRO 149 - Selected Topics in Social Anthropology

ASIA AM M117 - Asian American Personality and Mental Health

ASIA AM M129 - Health Issues for Asian Americans and Pacific Islanders: Myth or Model?

ASIA AM M161 - Ethnic, Cultural, and Gender Issues in America's Healthcare Systems

COM HLT 100 - Introduction to Community Health Sciences

COM HLT M140 - Health Issues for Asian Americans and Pacific Islanders: Myth or Model?

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

DIS STD 138XP - Applied Autism Intervention: Multidisciplinary Perspective

DIS STD M139 - Perspectives on Autism and Neurodiversity

DIS STD M148 - Sociology of Mental Illness

DIS STD M166 - Health-Care Ethics

DIS STD M172 - Care Work: Disability Justice and Health Care

DIS STD M172XP - Care Work: Disability Justice and Health Care

DIS STD M183 - Being Human: Identity and Mental Illness

EDUC 132 - Autism: Mind, Brain, and Education

HLT POL M110 - Ethnic, Cultural, and Gender Issues in America's Healthcare Systems

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST 179C - Medicine and Society in 20th-Century America

HNRS M183 - Being Human: Identity and Mental Illness

NURSING M172 - Care Work: Disability Justice and Health Care

NURSING M172XP - Care Work: Disability Justice and Health Care

PHILOS 173 - Philosophy of Medicine

PUB AFF M131 - Diversity in Aging: Roles of Gender and Ethnicity

PUB AFF 134 - Politics of U.S. Health Policy

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 127A - Clinical Psychological Science

PSYCH 127B - Clinical Psychological Science: Biological Bases

PSYCH 127C - Clinical Psychological Science: Developmental Perspectives

PSYCH M139 - Perspectives on Autism and Neurodiversity

SOC GEN M166 - Health-Care Ethics

SOC GEN M183 - Being Human: Identity and Mental Illness

SOCIOL M148 - Sociology of Mental Illness

CATEGORY 2: ACCESS AND SOCIAL CHANGE

Select one course from the following. Disability Studies M172 and M172XP, or Nursing M172 and M172XP, must be taken together to satisfy one course.

CESC 172XP - Community-Engaged Research to Address Health Disparities

DIS STD 145 - Mental Disability Law

DIS STD M148 - Sociology of Mental Illness

DIS STD M149 - Disability Rights Law

DIS STD M166 - Health-Care Ethics

DIS STD M172 - Care Work: Disability Justice and Health Care

DIS STD M172XP - Care Work: Disability Justice and Health Care

DESMA 171 - Topics in Interactivity and Games

EDUC 104A - Introduction to Exceptional Learners

GENDER 152 - Gender, Disability, and Education

NURSING M172 - Care Work: Disability Justice and Health Care

NURSING M172XP - Care Work: Disability Justice and Health Care

PSYCH 132A - Learning Problems, Schooling Problems: Policy and Practice

SOC GEN M166 - Health-Care Ethics

SOCIOL M120 - Disability Rights Law

SOCIOL M148 - Sociology of Mental Illness

CATEGORY 3: REPRESENTATION, EMBODIMENT, AND DISABILITY CULTURES

Select one course from:

ASL M115 - Enforcing Normalcy: Deaf and Disability Studies

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

DIS STD M103 - Studies in Disability Literatures

DIS STD 111 - Disability as Spectacle: Performing Nonnormative Bodies

DIS STD M114 - Variable Topics in Performance and Disability Studies

DIS STD M115 - Enforcing Normalcy: Deaf and Disability Studies

DIS STD M121 - Topics in Gender and Disabilities

DIS STD M139 - Perspectives on Autism and Neurodiversity

DIS STD M161 - Sports, Normativity, and Body

ENGL M103 - Studies in Disability Literatures

GENDER 104 - Bodies

GENDER M121 - Topics in Gender and Disabilities

GENDER M161 - Sports, Normativity, and Body

PSYCH M139 - Perspectives on Autism and Neurodiversity

THEATER M114 - Variable Topics in Performance and Disability Studies

CATEGORY 4: GLOBAL AND HISTORICAL PERSPECTIVES

Select one course from the following. Anthropology 149 may only be applied if the topic offers an interdisciplinary perspective of disability.

ANTHRO 137P - Anthropology of Deviance and Abnormality

ANTHRO 149 - Selected Topics in Social Anthropology

COM HLT 132 - Health, Disease, and Health Services in Latin America

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

DIS STD M103 - Studies in Disability Literatures

ENGL M103 - Studies in Disability Literatures

GENDER 152 - Gender, Disability, and Education

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST 179C - Medicine and Society in 20th-Century America

Internship or Research Practicum (8 units)

Select one of the following options:

OPTION 1

Complete two quarters of Disability Studies 195CE.

DIS STD 195CE - Community and Corporate Internships in Disability Studies

OPTION 2

Complete two quarters of Disability Studies 196.

DIS STD 196 - Research Apprenticeship in Disability Studies

Capstone (5 or 6 units)

Select course 191 (5 units), or two courses (6 units) from 198A and 198B, or 199A and 199B.

DIS STD 191 - Variable Topics Senior Research Seminars: Disability Studies

DIS STD 198A - Honors Research in Disability Studies

DIS STD 198B - Honors Research in Disability Studies

DIS STD 199A - Directed Research in Disability Studies

DIS STD 199B - Directed Research in Disability Studies

Honors Program

All honors students must complete their capstone requirement by taking courses 198A and 198B, in which they research, write, and present an honors thesis.

DIS STD 198A - Honors Research in Disability Studies

DIS STD 198B - Honors Research in Disability Studies

Policies

Preparation for the Major Policies

All courses must be completed with a 2.0 or better grade-point average.

The Major Policies

Each course must be taken for a letter grade, and students must earn a C or better grade in Disability Studies 101W.

Disability Studies 101W and one quarter of Disability Studies 195CE or 196 must be taken prior to the capstone.

Honors Program

Admission: The honors program is open to majors with a 3.5 departmental and a 3.0 overall grade-point average (GPA). Students with lower GPAs may petition for admission to the program. Students should apply by winter quarter of the junior year. For application forms and more information, contact the departmental counselor in A316 Murphy Hall.

Requirements: To receive honors at graduation, students must have at least a 3.5 GPA in courses applied toward the major (including 198A and 198B) and an overall GPA of 3.0.

Minor

Disability Studies Minor

College / School
College of Letters and Science

Department
Disability Studies

Level

Undergraduate

Overview

Through a core course, carefully selected electives, a required two-term internship or research apprenticeship, and a senior capstone project, students in the minor obtain both breadth and depth in their understanding of the concept and practical implications of disability.

Entry to the Minor

Admission

To enter the Disability Studies minor, students must (1) have an overall grade-point average of 2.7 or better and (2) submit an application essay supporting their interest in pursuing the minor. To help plan the internship and course schedule, students are expected to work closely with the minor's academic adviser. For contact information, application, and general information about the minor, see the minor website.

Minor Requirements

The Minor

Required Upper-Division Courses (13 to 15 units)

Complete four courses as follows:

DISABILITY STUDIES

Select one course from:

DIS STD 101 - Perspectives on Disability Studies

DIS STD 101W - Perspectives on Disability Studies

ELECTIVES

Select three courses from Disability Studies 102 through 187 or the following list of courses. Students may petition to apply a third term of Disability Studies 195CE toward the elective requirement.

Disability Studies 102 through 187

Disability Studies 102 through 187

Courses

Only one course from Psychology 127A, 127B, or 127C may be applied.

ASL M120 - History of Deaf Communities in America

ASL 121 - History of Mass Media and Deaf Community

ANTHRO 159 - Selected Topics in Linguistic Anthropology

ARTS ED 101 - Selected Topics in Arts Education

ASIA AM M117 - Asian American Personality and Mental Health

COM HLT 100 - Introduction to Community Health Sciences

COM HLT 132 - Health, Disease, and Health Services in Latin America

EDUC 132 - Autism: Mind, Brain, and Education

GRNTLGY M119O - Psychology of Aging

HIST 179A - Variable Topics in History of Medicine

LING C135 - Neurolinguistics

PSYCH M107 - Asian American Personality and Mental Health

PSYCH M119O - Psychology of Aging

PSYCH 127A - Clinical Psychological Science

PSYCH 127B - Clinical Psychological Science: Biological Bases

PSYCH 127C - Clinical Psychological Science: Developmental Perspectives

PSYCH 129C - Culture and Mental Health

PSYCH 132A - Learning Problems, Schooling Problems: Policy and Practice

PSYCH 133I - Applied Developmental Psychology

PSYCH M140 - Introduction to Study of Aging

SOC WLF M140 - Introduction to Study of Aging

SOC WLF 162 - Health Policy and Services

SOCIOL M148 - Sociology of Mental Illness

SPAN M165XP - Taking It to Street: Spanish in Community

Required Upper-Division Internship/Apprenticeship Courses (8 units)

Complete two consecutive terms of internship or research apprenticeship (Disability Studies 195CE or 196) in a community-based agency that provides services or support for persons with disabilities or in an institution or agency at the local, state, or federal level responsible for policy on disability issues or collaboration on a research project focused on an area of disability studies scholarship. Internship credit for students participating in the UC Center Sacramento (UCCS) program or the

Center for American Politics and Public Policy (CAPPP) program may be substituted by petition and is subject to approval by the faculty committee.

DIS STD 195CE - Community and Corporate Internships in Disability Studies

DIS STD 196 - Research Apprenticeship in Disability Studies

Required Upper-Division Capstone Courses (5 to 6 units)

Select one option. Prior to enrolling in any capstone option, students must complete Disability Studies 101 or 101W, two upper-division electives, and at least one term of an internship or apprenticeship.

DISABILITY STUDIES 191

DIS STD 191 - Variable Topics Senior Research Seminars: Disability Studies

DISABILITY STUDIES 198

DIS STD 198A - Honors Research in Disability Studies

DIS STD 198B - Honors Research in Disability Studies

DISABILITY STUDIES 199

DIS STD 199A - Directed Research in Disability Studies

DIS STD 199B - Directed Research in Disability Studies

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. Only one course may be applied to both this minor and another major or minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 3.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Capstone

The capstone experience for the minor requires an integrative final paper or project that incorporates the required curriculum and elective courses. Students complete the capstone experience by enrolling in a senior research seminar (Disability Studies 191) or by enrolling in two-term independent study courses (198A and 198B or 199A and 199B) under the guidance of a faculty sponsor. The faculty sponsor approves the proposed readings as well as the length and scope of the final paper or project based on guidelines developed by the faculty committee for the minor.

Earth, Planetary, and Space Sciences Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

3806 Geology Building
Box 951567
Los Angeles, CA 90095-1567

Earth, Planetary, and Space Sciences
310-825-3880
Department e-mail

Edwin A. Schauble, PhD, *Chair*

The disciplines of geology, geochemistry, geophysics, paleobiology, and space physics are concerned with the structure and evolution of the solar system, Earth, and life: essentially, the physical environment and its interaction with biota. These studies entail the application of fundamental physics and chemistry to a broad subject area stretching from astronomy at one extreme to biology at the other. Areas that are emphasized in the Department of Earth, Planetary, and Space Sciences include isotope and trace element analyses, petrology and mineralogy, sedimentology, paleobiology and organic geochemistry, structural geology and tectonophysics, seismology, the Earth's interior, planetary physics, and space plasmas.

Career Prospects

The variety of techniques applied lead to several concentrations within the three main disciplines. Students completing their studies with a BS or MS degree usually are employed by industry. Many are

employed in environment-related activities; others are involved in mineral or oil exploration or in construction. Students attaining the PhD degree are usually employed by universities or governmental and industrial research groups.

The Bachelor of Arts program in Earth and Environmental Science is intended to provide a broad background in Earth sciences that is especially appropriate for students intending to become K through 12 teachers in Earth, physical, or life sciences. It may also be of interest to students who plan careers in business, dentistry, environmental sciences, government, journalism, law, medicine, or public health. Those who intend to become professional geologists, geochemists, or geophysicists and/or to continue into graduate studies in Earth or space sciences are urged to pursue one of the BS degrees.

Earth, Planetary, and Space Sciences Faculty Roster

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Professors

Vassilis Angelopoulos, PhD
Jonathan M. Aurnou, PhD
Caroline D. Beghein, PhD
David K. Jacobs, PhD
David C. Jewitt, PhD
Abby Kavner, PhD
Carolina R. Lithgow-Bertelloni, PhD *(Louis B. and Martha B. Slichter Endowed Professor of Geosciences)*
Amanda K. Mainzer, PhD
Craig E. Manning, PhD
Jean-Luc Margot, PhD
Jonathan L. Mitchell, PhD
William I. Newman, PhD
David A. Paige, PhD
Gilles F. Peltzer, PhD
Edwin A. Schauble, PhD
Hilke E. Schlichting, PhD
Ulrike Seibt, PhD
Lars P. Stixrude, PhD
Tina I. Treude, PhD
Aradhna K. Tripati, PhD
Marco C. Velli, PhD

Edward D. Young, PhD

Professors Emeriti

G. Peter Bird, PhD
Friedrich H. Busse, PhD
Paul M. Davis, PhD
Wayne A. Dollase, PhD
T. Mark Harrison, PhD
Raymond V. Ingersoll, PhD
Margaret G. Kivelson, PhD
Kevin D. McKeegan, PhD
Robert L. McPherron, PhD
Arthur L. Montana, PhD
Walter E. Reed, PhD
Bruce N. Runnegar, PhD
Christopher T. Russell, PhD
J. William Schopf, PhD
Gerald Schubert, PhD
Ronald L. Shreve, PhD
Raymond J. Walker, PhD

Associate Professors

Mackenzie D. Day, PhD
Lingsen Meng, PhD
Seugli Moon, PhD

Assistant Professors

Hao Cao, PhD
John He, PhD
Peng Ni, PhD

Adjunct Professors

Anton Artemev, PhD
Yingjuan Ma, PhD
Robert J. Strangeway, PhD

Major

Earth and Environmental Science BA

College / School
College of Letters and Science

Department
Earth, Planetary, and Space Sciences

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Earth and Environmental Science major is a designated capstone major. Students are required to use skill and knowledge sets from previous coursework to complete a field-based research project from

conception to written report. Projects must be placed into context within the current state of understanding, and results are presented at a research symposium or published as a brief report.

Learning Outcomes

1. Use of skills and knowledge set from coursework
2. Definition of research methodology and data
3. Placement of project into context of current state of understanding
4. Completion of research project from conception to written report
5. Oral presentation at a research symposium, or brief published report, of field experience results

Entry to the Major

Transfer Students

Transfer applicants to the Earth and Environmental Science major with 90 or more quarter units (60 semester units) must have completed one introductory Earth sciences course with laboratory, one general chemistry course with laboratory for majors, and one calculus course. One introductory biology course (evolution) with laboratory, a second general chemistry course, and one calculus-based physics course with laboratory are recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete eight courses as follows:

Earth, Planetary, and Space Sciences 1

Complete the following course:

EPS SCI 1 - Introduction to Earth Science

EARTH, PLANETARY, AND SPACE SCIENCES 1 SUBSTITUTION

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed course:

CLUSTER 70A - Evolution of Cosmos and Life

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Additional Earth, Planetary, and Space Sciences Course

Select one course from:

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

Chemistry

Select one series from:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Mathematics

Select one series from:

MATHEMATICS 3 SERIES

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATHEMATICS 31 SERIES

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

Physics

Select one course from:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

The Major

Complete nine courses as follows:

Earth, Planetary, and Space Sciences

Select two courses from:

EPS SCI 103A - Igneous Petrology

EPS SCI 103B - Sedimentary Petrology

EPS SCI 111 - Stratigraphic and Field Geology

EPS SCI 112 - Structural Geology

Capstone

Complete one capstone 199 research course in the senior year.

EPS SCI 199 - Directed Research or Senior Project in Earth, Planetary, and Space Sciences

Upper-Division Earth, Planetary, and Space Sciences Electives

Complete four additional upper-division Earth, planetary, and space sciences courses (except Earth, Planetary, and Space Sciences M187, and 189 through 199).

Geography

Select two courses from:

GEOG 101 - Principles of Geomorphology

GEOG M102 - Soils and Environment

GEOG M103 - Soil and Water Conservation

GEOG 116 - Climatology

GEOG 120 - Hydrology

GEOG M126 - Environmental Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 136 - Health and Global Environment

Policies

Preparation for the Major Policies

Each course must be passed with a minimum grade of C–.

Major

Engineering Geology BS

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Engineering Geology major is a designated capstone major. Students are required to use skill and knowledge sets from previous coursework to complete a field-based research project from conception to

written report. Projects must be placed into context within the current state of understanding, and results are presented at a research symposium or published as a brief report.

Learning Outcomes

1. Use of skills and knowledge set from coursework
2. Definition of research methodology and data
3. Placement of project into context of current state of understanding
4. Completion of research project from conception to written report
5. Oral presentation at a research symposium, or brief published report, of field experience results

Entry to the Major

Transfer Students

Transfer applicants to the Engineering Geology major with 90 or more quarter units (60 semester units) must have completed one introductory Earth sciences course with laboratory, one general chemistry course with laboratory for majors, and one year of calculus. A second general chemistry course and one course of calculus-based physics with laboratory are recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 16 courses as follows:

Earth, Planetary, and Space Sciences

Select three courses from:

EPS SCI 1 - Introduction to Earth Science

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

EARTH, PLANETARY, AND SPACE SCIENCES 1 SUBSTITUTION

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed course:

CLUSTER 70A - Evolution of Cosmos and Life

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Chemistry and Biochemistry

Complete the following three courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Civil and Environmental Engineering

Complete the following course:

C&EE M20 - Introduction to Computer Programming with MATLAB

Mathematics

Complete the following four courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

RECOMMENDED

Completion of Mathematics 32B is recommended.

MATH 32B - Calculus of Several Variables

Physics

Complete the following five courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Complete 12 courses as follows:

Earth, Planetary, and Space Sciences

Complete the following six courses:

EPS SCI 103A - Igneous Petrology

EPS SCI 103B - Sedimentary Petrology

EPS SCI 111 - Stratigraphic and Field Geology

EPS SCI 112 - Structural Geology

EPS SCI 136A - Applied Geophysics

EPS SCI 139 - Engineering and Environmental Geology

Civil Engineering

Select four courses from:

C&EE 108 - Introduction to Mechanics of Deformable Solids

C&EE 120 - Principles of Soil Mechanics

C&EE 121 - Design of Foundations and Earth Structures

C&EE 125 - Fundamentals of Earthquake Engineering

C&EE 129L - Engineering Geomatics

C&EE 150 - Introduction to Hydrology

C&EE 151 - Introduction to Water Resources Engineering

C&EE C158 - Coastal Engineering

Capstone Field Research

Complete the following two courses:

EPS SCI 121 - Advanced Field Geology

EPS SCI 121F - Advanced Field Geology: Fieldwork

Policies

Preparation for the Major Policies

Each course must be passed with a minimum grade of C–.

Major

Geology BS

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Geology major is a designated capstone major. Students are required to use skill and knowledge sets from previous coursework to complete a field-based research project from conception to written report.

Projects must be placed into context within the current state of understanding, and results are presented at a research symposium or published as a brief report.

Learning Outcomes

1. Use of skills and knowledge set from coursework
2. Definition of research methodology and data
3. Placement of project into context of current state of understanding
4. Completion of research project from conception to written report
5. Oral presentation at a research symposium, or brief published report, of field experience results

Entry to the Major

Transfer Students

Transfer applicants to the Geology major with 90 or more quarter units (60 semester units) must have completed one introductory Earth sciences course with laboratory, one calculus course, and one general chemistry course with laboratory for majors. A second calculus course and a second general chemistry course are recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 12 to 14 courses as follows:

Earth, Planetary, and Space Sciences

Complete the following four courses:

EPS SCI 1 - Introduction to Earth Science

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

EARTH, PLANETARY, AND SPACE SCIENCES 1 SUBSTITUTION

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed course:

CLUSTER 70A - Evolution of Cosmos and Life

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Chemistry

Select one series from:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Mathematics

Select one series from:

MATHEMATICS 3 SERIES

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATHEMATICS 31 SERIES

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

Physics

Select one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

The Major

Complete 11 courses as follows:

Earth, Planetary, and Space Sciences

Complete the following four courses:

- EPS SCI 103A - Igneous Petrology
- EPS SCI 103B - Sedimentary Petrology
- EPS SCI 111 - Stratigraphic and Field Geology
- EPS SCI 112 - Structural Geology

Capstone Field Research

Complete the following two courses:

- EPS SCI 121 - Advanced Field Geology
- EPS SCI 121F - Advanced Field Geology: Fieldwork

Upper-Division Earth, Planetary, and Space Sciences Electives

Complete five additional 100-level Earth, planetary, and space sciences courses (except Earth, Planetary, and Space Sciences M187, and 189 through 199). Students may opt to take courses from the following groups:

COMPUTATIONAL GEOSCIENCES

- EPS SCI 136A - Applied Geophysics
- EPS SCI 150 - Remote Sensing for Earth Sciences
- EPS SCI M171 - Advanced Computing in Geosciences

GEOBIOLOGY

- EPS SCI CM114A - Aquatic Geomicrobiology: Metabolisms
- EPS SCI CM114B - Aquatic Geomicrobiology: Environments
- EPS SCI 116 - Paleontology
- EPS SCI M118 - Advanced Paleontology

GEOCHEMISTRY

EPS SCI 103C - Metamorphic Petrology

EPS SCI C106 - Physical Geochemistry

EPS SCI C107 - Geochemical Cycles

EPS SCI C109 - Isotope Geochemistry

EPS SCI C113 - Biological and Environmental Geochemistry

EPS SCI 152 - Physics of Earth

EPS SCI 153 - Oceans and Atmospheres

PLANETARY SCIENCE

EPS SCI 136A - Applied Geophysics

EPS SCI C143 - Advanced Physical Sedimentology

EPS SCI 155 - Planetary Physics

EPS SCI C179 - Search for Extraterrestrial Intelligence (SETI)

SURFACE PROCESSES

EPS SCI 136A - Applied Geophysics

EPS SCI C143 - Advanced Physical Sedimentology

EPS SCI 150 - Remote Sensing for Earth Sciences

EPS SCI C162 - Application of Remote Sensing in Field

EPS SCI C166 - Tectonic Geomorphology

TECTONICS/STRUCTURAL GEOLOGY

EPS SCI 119 - Continental Drift and Plate Tectonics

EPS SCI 133 - Historical and Regional Geology

EPS SCI 136A - Applied Geophysics

EPS SCI C166 - Tectonic Geomorphology

Honors Program

The honors program in geology is intended to provide exceptional students an opportunity for advanced research and study under the tutorial guidance of a faculty member. Complete a minimum of two terms (8 units) of Earth, Planetary, and Space Sciences 198 leading to the preparation of a satisfactory honors thesis.

EPS SCI 198 - Honors Research in Earth, Planetary, and Space Sciences

Policies

Preparation for the Major Policies

Each course must be passed with a minimum grade of C–.

Honors Program

Requirements for admission to candidacy are the same as those required for admission to the Honors Programs of the College of Letters and Science. Qualified students wishing to enter the program must submit a completed application form to the departmental honors committee near the end of their junior year. Honors in geology are awarded at graduation to those students who have a cumulative grade-point average of 3.5, have completed at least 90 graded units at the University of California, and have completed a minimum of two terms (8 units) of Earth, Planetary, and Space Sciences 198 leading to the preparation of a satisfactory honors thesis. Students demonstrating exceptional ability are awarded highest honors.

Major

Geophysics BS

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Geophysics major is a designated capstone major. Students are required to use skill and knowledge sets from previous coursework to complete a field-based research project from conception to written

report. Projects must be placed into context within the current state of understanding, and results are presented at a research symposium or published as a brief report.

Learning Outcomes

1. Use of skills and knowledge set from coursework
2. Definition of research methodology and data
3. Placement of project into context of current state of understanding
4. Completion of research project from conception to written report
5. Oral presentation at a research symposium, or brief published report, of field experience results

Entry to the Major

Transfer Students

Transfer applicants to the Geophysics major with 90 or more quarter units (60 semester units) must have completed one introductory Earth sciences course with laboratory, one general physics course with laboratory for majors, and one year of calculus. A third calculus course and a second calculus-based physics with laboratory course are recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 16 courses as follows:

Earth, Planetary, and Space Sciences

Complete the following four courses:

EPS SCI 1 - Introduction to Earth Science

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

EARTH, PLANETARY, AND SPACE SCIENCES 1 ALTERNATIVES

Any course from Earth, Planetary, and Space Sciences 3 through 17 or Cluster 70A may be substituted for Earth, Planetary, and Space Sciences 1.

Earth, Planetary, and Space Sciences 3 through 17

Any course from Earth, Planetary, and Space Sciences 3 through 17 may be substituted for Earth, Planetary, and Space Sciences 1.

Earth, Planetary, and Space Sciences 3 through 17

Cluster 70A

Cluster 70A may be substituted for Earth, Planetary, and Space Sciences 1.

CLUSTER 70A - Evolution of Cosmos and Life

Mathematics

Complete the following six courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Physics

Complete the following six courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 32 - Mathematical Methods

The Major

Complete 12 courses as follows:

Required Core

Complete nine courses as follows:

EPS SCI 136A - Applied Geophysics

EPS SCI M140 - Introduction to Fluid Dynamics

EPS SCI M171 - Advanced Computing in Geosciences

CAPSTONE FIELD RESEARCH

Complete the following course:

EPS SCI 136C - Field Geophysics

ADDITIONAL EARTH, PLANETARY, AND SPACE SCIENCES

Select one course from:

EPS SCI 152 - Physics of Earth

EPS SCI 153 - Oceans and Atmospheres

EPS SCI 154 - Solar Terrestrial Physics

EPS SCI 155 - Planetary Physics

EPS SCI M156 - Introduction to Plasma Science and Engineering

PHYSICS

Complete the following four courses:

PHYSICS 105A - Analytic Mechanics

PHYSICS 105B - Analytic Mechanics

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

Area Requirement

Three additional 100-level Earth, Planetary, and Space Sciences courses are required from below, other than M187, 189-199. Students may opt for one of the suggested grouped courses below

APPLIED GEOPHYSICS

EPS SCI 111 - Stratigraphic and Field Geology

EPS SCI 112 - Structural Geology

EPS SCI C122 - Introduction to Seismology

EPS SCI 136B - Applied Geophysics

EPS SCI 150 - Remote Sensing for Earth Sciences

EPS SCI 152 - Physics of Earth

EARTH AND PLANETARY EXPLORATION

EPS SCI 150 - Remote Sensing for Earth Sciences

EPS SCI 153 - Oceans and Atmospheres

EPS SCI 154 - Solar Terrestrial Physics

EPS SCI 155 - Planetary Physics

EPS SCI M156 - Introduction to Plasma Science and Engineering

PHYSICS OF THE EARTH

EPS SCI 119 - Continental Drift and Plate Tectonics

EPS SCI C122 - Introduction to Seismology

EPS SCI 136B - Applied Geophysics

EPS SCI 150 - Remote Sensing for Earth Sciences

EPS SCI 152 - Physics of Earth

SPACE PHYSICS

A&O SCI C170 - Introduction to Solar System Plasmas

EPS SCI 136B - Applied Geophysics

EPS SCI 154 - Solar Terrestrial Physics

EPS SCI 155 - Planetary Physics

EPS SCI M156 - Introduction to Plasma Science and Engineering

PHYSICS M122 - Introduction to Plasma Science and Engineering

Honors Program

The honors program in geophysics is intended to provide exceptional students an opportunity for advanced research and study under the tutorial guidance of a faculty member. Complete a minimum of two terms (8 units) of Earth, Planetary, and Space Sciences 198 leading to the preparation of a satisfactory honors thesis.

EPS SCI 198 - Honors Research in Earth, Planetary, and Space Sciences

Policies

Preparation for the Major Policies

Each course must be passed with a minimum grade of C–.

The Major Policies

Substitutions of equivalent courses from engineering or other physical sciences departments must be approved by the undergraduate adviser.

Honors Program

Requirements for admission to candidacy are the same as those required for admission to the Honors Programs of the College of Letters and Science. Qualified students wishing to enter the program must submit a completed application form to the departmental honors committee near the end of their junior year. Honors in geophysics are awarded at graduation to those students who have a cumulative grade-point average of 3.5, have completed at least 90 graded units at the University of California, and have completed a minimum of two terms (8 units) of Earth, Planetary, and Space Sciences 198 leading to the preparation of a satisfactory honors thesis. Students demonstrating exceptional ability are awarded highest honors.

Minor

Earth and Environmental Science Minor

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Level

Undergraduate

Overview

In the Earth and Environmental Science minor students study the interaction of the solid Earth, oceans, and atmosphere with human activities. The minor provides background in Earth sciences that is especially appropriate for students intending to become K through 12 teachers in Earth, physical, or life sciences. It may also be of interest to students who plan careers in business, dentistry, environmental sciences, government, journalism, law, medicine, or public health.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 or 9 units)

Complete one of the following two options:

OPTION 1

Complete two courses as follows:

Earth, Planetary, and Space Sciences 1

Complete the following course:

EPS SCI 1 - Introduction to Earth Science

Substitution

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed course:

CLUSTER 70A - Evolution of Cosmos and Life

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Earth, Planetary, and Space Sciences 51, 61, or M71

Select one course from:

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

OPTION 2

Select two courses from:

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

Required Upper-Division Courses (20 units minimum)

Complete five 100-level Earth, planetary, and space sciences courses (except Earth, Planetary, and Space Sciences M187, and 189 through 199).

Policies

The Minor Policies

A minimum of 20 upper-division units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Geochemistry Minor

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Level

Undergraduate

Overview

Geochemistry emphasizes use of minerals, magmas, elements, and isotopes to date events, determine rates, and track matter through its cycles in the planets and biosphere. These skills are valuable in environmental and natural-resource work and anthropology, as well as in studying the histories of the planets.

Entry to the Minor

Admission

To enter the Geochemistry minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (9 units)

Complete the following two courses:

EPS SCI 1 - Introduction to Earth Science

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EARTH, PLANETARY, AND SPACE SCIENCES 1 SUBSTITUTION

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed course:

CLUSTER 70A - Evolution of Cosmos and Life

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Required Upper-Division Courses (20 to 26 units)

Complete five courses as follows:

EARTH, PLANETARY, AND SPACE SCIENCES

Select two courses from:

EPS SCI C106 - Physical Geochemistry

EPS SCI C107 - Geochemical Cycles

EPS SCI C109 - Isotope Geochemistry

ADDITIONAL EARTH, PLANETARY, AND SPACE SCIENCES

Select three courses from the following. Only one course from C106, C107, or C109 may be applied (whichever was not applied above). Only one course from CM114A or CM114B may be applied.

EPS SCI 103A - Igneous Petrology

EPS SCI 103B - Sedimentary Petrology

EPS SCI 103C - Metamorphic Petrology

EPS SCI C106 - Physical Geochemistry

EPS SCI C107 - Geochemical Cycles

EPS SCI C109 - Isotope Geochemistry

EPS SCI C113 - Biological and Environmental Geochemistry

EPS SCI CM114A - Aquatic Geomicrobiology: Metabolisms

EPS SCI CM114B - Aquatic Geomicrobiology: Environments

EPS SCI 152 - Physics of Earth

EPS SCI 153 - Oceans and Atmospheres

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Geology Minor

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Level

Undergraduate

Overview

Geology is the study of the surface of the Earth and the rocks and processes that created it. Field methods, interpretation of rocks, and modern plate-tectonic models are emphasized, with the goals of finding valuable or hazardous materials and inferring geologic history. These skills are valuable in engineering, urban planning, and environmental and resource studies.

Entry to the Minor

Admission

To enter the Geology minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 or 9 units)

Complete one of the following two options:

OPTION 1

Complete two courses as follows:

Earth, Planetary, and Space Sciences 1

Complete the following course:

EPS SCI 1 - Introduction to Earth Science

Substitution

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed course:

CLUSTER 70A - Evolution of Cosmos and Life

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Earth, Planetary, and Space Sciences 51, 61, or M71

Select one course from:

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

OPTION 2

Select two courses from:

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

EPS SCI M71 - Introduction to Computing for Geoscientists

Required Upper-Division Courses (22 units)

Complete five courses as follows:

EARTH, PLANETARY, AND SPACE SCIENCES

Select two courses from:

EPS SCI 103A - Igneous Petrology

EPS SCI 103B - Sedimentary Petrology

EPS SCI 111 - Stratigraphic and Field Geology

EPS SCI 112 - Structural Geology

ADDITIONAL COURSES

Complete three additional 100-level Earth, planetary, and space sciences courses (except Earth, Planetary, and Space Sciences M187, and 189 through 199).

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Geophysics and Planetary Physics Minor

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Level

Undergraduate

Overview

Classical physics, supported by field data, mathematics, and computing, is used to understand diverse processes from ocean circulation and earthquakes to the formation of planets and the flow of particles and electromagnetic fields in space. These skills are valuable in environmental, engineering, and resource studies and more broadly in any kind of career that requires quantitative analysis.

Entry to the Minor

Admission

To enter the Geophysics and Planetary Physics minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 or 9 units)

Complete the following two courses:

EPS SCI 1 - Introduction to Earth Science

EPS SCI M71 - Introduction to Computing for Geoscientists

EARTH, PLANETARY, AND SPACE SCIENCES 1

Earth, Planetary, and Space Sciences 1 may be substituted with a course from the following range or listed courses:

CLUSTER 70A - Evolution of Cosmos and Life

EPS SCI 51 - Mineralogy: Earth and Planetary Materials

EPS SCI 61 - Geologic Maps

Earth, Planetary, and Space Sciences

Earth, Planetary, and Space Sciences 3 through 17

Required Upper-Division Courses (20 units)

Complete the following two courses and three additional courses:

EPS SCI 136A - Applied Geophysics

EPS SCI M171 - Advanced Computing in Geosciences

ADDITIONAL EARTH, PLANETARY, AND SPACE SCIENCES

Select three courses from:

EPS SCI M140 - Introduction to Fluid Dynamics

EPS SCI 152 - Physics of Earth

EPS SCI 153 - Oceans and Atmospheres

EPS SCI 154 - Solar Terrestrial Physics

EPS SCI 155 - Planetary Physics

EPS SCI M156 - Introduction to Plasma Science and Engineering

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Geochemistry MS, CPhil, PhD

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Geology MS, CPhil, PhD

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Geophysics and Space Physics MS, PhD

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Planetary Science MS, PhD

College / School

College of Letters and Science

Department

Earth, Planetary, and Space Sciences

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

East Asian Studies Overview

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Interdepartmental Program
College of Letters and Science

10256 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

East Asian Studies
310-206-6571
Program e-mail

William Marotti, PhD, ***Chair***

The Master of Arts (MA) degree in East Asian Studies offers an interdisciplinary and highly flexible program of study. With opportunities to take a range of advanced courses in the social sciences and humanities, students are able to tailor their programs to emphasize particular methodological and disciplinary approaches and to focus in depth on the region as a whole and on its dynamics in particular countries. Coursework and language offerings range from the ancient to the contemporary and allow students to prepare for a broad range of individual needs and career interests with a thorough grounding in the history and culture of the region.

Undergraduate Study

Information on the undergraduate major in Asian Studies and minor in East Asian Studies can be found in the **International and Area Studies** section.

East Asian Studies Faculty Committee

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Michael S. Berry, PhD *(Asian Languages and Cultures; Film, Television, and Digital Media)*
Michelle Liu Carriger, PhD *(Theater)*
Torquil Duthie, PhD *(Asian Languages and Cultures)*
Michael D. Emmerich, PhD *(Asian Languages and Cultures)*
Andrea S. Goldman, PhD *(History)*
Christopher P. Hanscom, PhD *(Asian Languages and Cultures)*
Katsuya Hirano, PhD *(History)*
Jennifer J. Jung-Kim, PhD, *ex officio (Asian Languages and Cultures)*
Kristopher W. Kersey, PhD *(Art History)*
Hui-Shu Lee, PhD *(Art History)*
Seiji M. Lippit, PhD *(Asian Languages and Cultures)*
William Marotti, PhD *(History)*
Sean A. Metzger, PhD *(Film, Television, and Digital Media; Gender Studies; Theater)*
Kyeyoung R. Park, PhD *(Anthropology, Asian American Studies)*
Shu-mei Shih, PhD *(Asian American Studies, Asian Languages and Cultures, Comparative Literature)*
Michael F. Thies, PhD *(Political Science)*
Yinghui Wu, PhD *(Asian Languages and Cultures)*

Major

East Asian Studies MA

College / School

College of Letters and Science

Department

East Asian Studies

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Ecology and Evolutionary Biology Overview

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College of Letters and Science

101 Hershey Hall
Box 957426
Los Angeles, CA 90095-7246

Ecology and Evolutionary Biology
Graduate Office, 310-825-1959
Graduate e-mail
Undergraduate Office, 310-825-1680
Message Center

Michael E. Alfaro, PhD, *Chair*

Organismic biology touches every aspect of modern life, and understanding how living organisms are adapted to their environments is the major challenge of the discipline. To meet this challenge, the Department of Ecology and Evolutionary Biology offers undergraduate and graduate instruction at all levels of biology—from regulatory and physiological processes within organisms through the natural ecology and behavior of living organisms and to the population and community dynamics of multiple species. All of these subject areas address practical problems facing the world today, and all influence human decisions on matters ranging from conservation of the environment to advancement of medical science.

Undergraduate Study

The Bachelor of Science (BA) degrees combine essential background studies in mathematics, chemistry, and physics with a general introduction to all of the biological subjects, as well as advanced in-depth exposure to some of them.

Students may earn a Bachelor of Science (BS) degree in one of three different majors within the department: Biology (general biology); Ecology, Behavior, and Evolution; and Marine Biology. The majors build on similar lower-division introductory courses and differ primarily in the upper-division requirements. The Biology major is designed for students who desire exposure to a wide range of biological subjects. The remaining two majors—Ecology, Behavior, and Evolution and Marine Biology—provide more specialized instruction and strong preparation for employment or subsequent graduate study in the respective disciplines.

Graduate Study

The Master of Science (MS) and Doctor of Philosophy (PhD) degrees provide opportunities for advanced, concentrated study. The Master of Science (MS) degree requires, in addition to specified coursework, completion of either a comprehensive examination or the performance of original research culminating in a thesis. The PhD degree requires independent and innovative research that ultimately results in a dissertation.

Ecology and Evolutionary Biology Faculty Roster

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Professors

Michael E. Alfaro, PhD
Priyanga A. Amarasekare, PhD
Paul H. Barber, PhD
Daniel T. Blumstein, PhD
Peggy M. Fong, PhD
Gregory F. Grether, PhD
David K. Jacobs, PhD
Nathan J.B. Kraft, PhD
James O. Lloyd-Smith, PhD
Kirk E. Lohmueller, PhD
Glen M. MacDonald, PhD *(Professor of California and the American West)*
Peter N. Nonacs, PhD
Noa Pinter-Wollman, PhD
Lawren Sack, PhD
Van M. Savage, PhD
Barnett A. Schlinger, PhD
Karen E. Sears, PhD
H. Bradley Shaffer, PhD
Victoria L. Sork, PhD
Tina I. Treude, PhD

Professors Emeriti

Clifford F. Brunk, PhD
Martin L. Cody, PhD
Franz Engelmann, PhD
Arthur C. Gibson, PhD
Elma González, PhD
Malcolm S. Gordon, PhD
Patricia A. Gowaty, PhD
William M. Hamner, PhD
Henry A. Hespenheide, PhD
Stephen P. Hubbell, PhD
Kenneth A. Nagy, PhD
Peter M. Narins, PhD
Park S. Nobel, PhD
Philip W. Rundel, PhD
Thomas B. Smith, PhD
Charles E. Taylor, PhD
Richard R. Vance, PhD
Blaire Van Valkenburgh, PhD *(Donald R. Dickey Professor Emeritus of Vertebrate Biology)*
Eduardo Zeiger, PhD
Cheryl Ann Zimmer, PhD
Richard K. Zimmer, PhD

Associate Professors

Morgan W. Tingley, PhD
Pamela J. Yeh, PhD
Felipe Zapata, PhD

Assistant Professors

Robert A. Eagle, PhD
Nandita R. Garud, PhD
Elsa M. Ordway, PhD

Lecturer SOE

Rachel L. Kennison, PhD

Lecturers

Leryn E. Gorlitsky, PhD
Tonya L. Kane, PhD
Alison J. Lipman, PhD

Adjunct Professors

Jon E. Keeley, PhD
Barbara J. Natterson, MD

Adjunct Associate Professors

Seth D. Riley, PhD
Xiaoming Wang, PhD

Adjunct Assistant Professors

Anthony E.F. Baniaga, PhD
Benjamin Knowles, PhD
Brenda J. Larison, PhD
Jonathan D. Marcot, PhD
Debra M. Shier, PhD

Major

Biology BS

College / School

College of Letters and Science

Department

Ecology and Evolutionary Biology

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Biology major is designed for students with a broad interest in biology who desire to pursue careers in a wide range of biological and related fields. It provides students with excellent background preparation for postgraduate training in medicine and other health sciences, in tracks leading to academic and public

service careers in biology, in biological industries, and even in nonbiological careers such as business, agriculture, and law. Emphasis is on breadth of training to expose students to all levels of modern biology.

Learning Outcomes

1. Broad understanding of basic biology concepts and principles across different levels of biological organization, from molecules to ecosystems
2. Effective oral and written communication of scientific information
3. Demonstrated understanding of the processes involved in new knowledge generation, including the scientific method, data collection, and data analysis
4. Ability to critically evaluate scientific concepts presented in diverse media, from scientific articles to the popular press

Entry to the Major

Transfer Students

Transfer applicants to the Biology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Life Sciences Core Curriculum

CHEMISTRY

Select one series from:

Chemistry 14 series

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEM 14C - Structure of Organic Molecules

CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Science 30 series

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

Mathematics 31 series

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

STATISTICS

Select one course from:

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete two courses from each of the following principles, for a total of 10 courses:

Evolution and Genetics

Ecology and Evolutionary Biology 120 is not open for credit to students with credit for course 185.

ANTHRO 120 - Survey of Biological Anthropology

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 128P - Primate Behavior Nonhuman to Human

EPS SCI 116 - Paleontology

EE BIOL 103 - Plant Diversity and Evolution

EE BIOL 108 - Biodiversity in Age of Humans

EE BIOL 109 - Introduction to Marine Science

EE BIOL 109L - Introduction to Marine Science Laboratory

EE BIOL 110 - Vertebrate Morphology

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 114A - Ornithology

EE BIOL 115 - Mammalogy

EE BIOL 117 - Evolution of Vertebrates

EE BIOL 118 - Plant Adaptations

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL C135 - Population Genetics

EE BIOL 136 - Ecological Restoration

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 144 - Prehistoric California

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL M145 - Advanced Paleontology

EE BIOL C146 - Conservation Genetics

EE BIOL 149 - Evolutionary Genomics

EE BIOL 150 - Principles of Genetics

EE BIOL 150L - Principles of Genetics Laboratory

EE BIOL 160 - Introduction to Plant Biology

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL 171 - Coming of Age on Planet Earth

EE BIOL CM173 - Earth Process and Evolutionary History

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 181 - Parasitology

EE BIOL 184 - Evolution, Development, and Disease

EE BIOL 185 - Evolutionary Medicine

EE BIOL 186 - Evolutionary Medicine: Clinical Perspective on Medical, Surgical, and Psychiatric Disorders

LIFESCI 107 - Genetics

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MCD BIO 138 - Developmental Biology

MCD BIO CM156 - Human Genetics and Genomics

SOC GEN M142 - Primate Genetics, Ecology, and Conservation

Information Flow

Ecology and Evolutionary Biology 120 is not open for credit to students with credit for course 185. Physiological Science 166 is not open for credit for Ecology and Evolutionary Biology 170. Microbiology, Immunology, and Molecular Genetics 100L and 101 must be taken together to satisfy requirement.

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 128P - Primate Behavior Nonhuman to Human

CHEM C100 - Genomics and Computational Biology

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 166 - RNA Structure, Recognition, and Function

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 100L - Introduction to Ecology and Behavior Laboratory

EE BIOL 116 - Conservation Biology

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL 122 - Ecology

EE BIOL 125 - Tropical Animal Communication

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 132 - Field Behavioral Ecology

EE BIOL 134B - Field Physiological Ecology of Desert Animals

EE BIOL C135 - Population Genetics

EE BIOL 136 - Ecological Restoration

EE BIOL 137 - Chemical Communication

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL C146 - Conservation Genetics

EE BIOL 149 - Evolutionary Genomics

EE BIOL 150 - Principles of Genetics

EE BIOL 150L - Principles of Genetics Laboratory

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 156 - Biology and Social Justice

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 168 - Global Change Ecology

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL 170 - Animal Environmental Physiology

EE BIOL 171 - Coming of Age on Planet Earth

EE BIOL C172 - Advanced Statistics in Ecology and Evolutionary Biology

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 176 - Ecological Ethics

EE BIOL M178 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EE BIOL C179 - Communicating Science to Informal Audiences

EE BIOL 180A - Seminar: Biology and Society

EE BIOL 180B - Seminar: Biology and Society

EE BIOL 183 - Finding Ecological Solutions to Environmental Problems

LIFESCI 107 - Genetics

MIMG 100L - Microbiology Laboratory for Professional Schools

MIMG 101 - Introductory Microbiology

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 103BL - Advanced Research Analysis in Virology

MIMG 109AL - Research Immersion Laboratory in Microbiology

MIMG 109BL - Advanced Research Analysis in Microbiology

MIMG 123 - Advanced Annotation and Comparative Genomics

MIMG 132 - Cell Biology of Nucleus

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 185A - Immunology

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 138 - Developmental Biology

MCD BIO 143 - Developmental Biology: Genetic Control of Organogenesis

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO C150 - Plant Communication

MCD BIO 150AL - Research Immersion Laboratory in Plant-Microbe Ecology

MCD BIO CM156 - Human Genetics and Genomics

MCD BIO 165B - Molecular Biology of Cell Nucleus

MCD BIO 168 - Stem Cell Biology

MCD BIO M175A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

MCD BIO M175B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

MCD BIO M175C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

PHYSCI M106 - Neurobiology of Bias and Discrimination

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

PHYSCI CM123 - Neurobiology of Sleep

PHYSCI 124 - Molecular Biology of Aging

PHYSCI C126 - Biological Clocks

PHYSCI C127 - Neuroendocrinology of Reproduction

PHYSCI 128 - Me, Myself, and Microbes: The Microbiome in Health and Disease

PHYSCI C130 - Sex Differences in Physiology and Disease

PHYSCI 136 - Pathophysiology of Cardiovascular Diseases

PHYSCI 138 - Neuromuscular Physiology and Adaptation

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PHYSCI C144 - Neural Control of Physiological Systems

PHYSCI M145 - Neural Mechanisms Controlling Movement

PHYSCI 146 - Principles of Nervous System Development

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI C152 - Musculoskeletal Anatomy, Physiology, and Biomechanics

PHYSCI 154 - Cellular Communication and Regulation of Physiological Processes

PHYSCI 155 - Development and Structure of Musculoskeletal System

PHYSCI 165 - Comparative Animal Physiology

PHYSCI 166 - Animal Physiology

PHYSCI 167 - Physiology of Nutrition

PHYSCI 173 - Anatomy and Physiology of Sense Organs

PHYSCI 174 - Cell Biophysics in Physiology and Disease

PHYSCI 175 - Why Fido Can't Speak: Biological Evolution of Language

PHYSCI M176 - Auditory Neuroscience of Speech Perception and Vocal Communication

PHYSCI 177 - Neuroethology

PHYSCI M180A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PHYSCI M180B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PHYSCI M180C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

Structure Function

Ecology and Evolutionary Biology 120 is not open for credit to students with credit for course 185. Physiological Science 166 is not open for credit for Ecology and Evolutionary Biology 170. Microbiology, Immunology, and Molecular Genetics 100L and 101 must be taken together to satisfy requirement.

CHEM C105 - Introduction to Chemistry of Biology

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153D - Introduction to Protein Structural Biology

CHEM 153L - Biochemical Methods I

EPS SCI 116 - Paleontology

EE BIOL 101 - Marine Botany

EE BIOL 102 - Biology of Marine Invertebrates

EE BIOL 103 - Plant Diversity and Evolution

EE BIOL 105 - Biology of Invertebrates

EE BIOL 106 - Experimental Marine Invertebrate Biology

EE BIOL 107 - Evolution, Development, and Function of Invertebrate Animals

EE BIOL 109 - Introduction to Marine Science

EE BIOL 109L - Introduction to Marine Science Laboratory

EE BIOL 110 - Vertebrate Morphology

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 113B - Field Herpetology

EE BIOL 114A - Ornithology

EE BIOL 114B - Field Ornithology

EE BIOL 115 - Mammalogy

EE BIOL 117 - Evolution of Vertebrates

EE BIOL 118 - Plant Adaptations

EE BIOL 121 - Molecular Evolution

EE BIOL 122 - Ecology

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 124A - Field Ecology

EE BIOL 125 - Tropical Animal Communication

EE BIOL M127 - Soils and Environment

EE BIOL M127L - Soils and Environment: Field

EE BIOL 128 - Plant Physiological Ecology

EE BIOL 129 - Animal Behavior

EE BIOL M131 - Ecosystem Ecology

EE BIOL 136 - Ecological Restoration

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 144 - Prehistoric California

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL M145 - Advanced Paleontology

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

EE BIOL 151A - Tropical Ecology

EE BIOL 151B - Field Tropical Ecology

EE BIOL 152 - World Vegetation Ecology and Ecophysiology

EE BIOL 155 - Community Ecology

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 160 - Introduction to Plant Biology

EE BIOL 161 - Plant Ecology

EE BIOL 161L - Plant Ecology Laboratory

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 163 - Biology of Marine Tetrapods

EE BIOL 164 - Field Biology of Marine Fishes

EE BIOL 165 - Ecological Physiology of Marine Vertebrates

EE BIOL 166 - Biology of Marine-Land Interface

EE BIOL 168 - Global Change Ecology

EE BIOL 170 - Animal Environmental Physiology

EE BIOL 171 - Coming of Age on Planet Earth

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 181 - Parasitology

EE BIOL 184 - Evolution, Development, and Disease

GEOG 106 - World Vegetation

GEOG 107 - Forest Ecosystems

GEOG 108 - Analytical Animal Geography

MIMG 100L - Microbiology Laboratory for Professional Schools

MIMG 101 - Introductory Microbiology

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 103BL - Advanced Research Analysis in Virology

MIMG 109AL - Research Immersion Laboratory in Microbiology

MIMG 132 - Cell Biology of Nucleus

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG 185A - Immunology

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 138 - Developmental Biology

MCD BIO M140 - Cancer Cell Biology

MCD BIO C141 - Molecular Basis of Plant Differentiation and Development

MCD BIO 143 - Developmental Biology: Genetic Control of Organogenesis

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 146 - Metabolism and Disease

MCD BIO C150 - Plant Communication

MCD BIO 165A - Biology of Cells

MCD BIO 165B - Molecular Biology of Cell Nucleus

MCD BIO 168 - Stem Cell Biology

MCD BIO M175A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

MCD BIO M175B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

MCD BIO M175C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

PHYSCI 107 - Systems Anatomy

PHYSCI 108 - Head and Neck Anatomy: Evolutionary, Biomechanical, Developmental, and Clinical Approach

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

PHYSCI 120 - Kidney: Understanding It from Development to Disease to Therapy

PHYSCI 121 - Disease Mechanisms and Therapies

PHYSCI 122 - Biomedical Technology and Physiology

PHYSCI CM123 - Neurobiology of Sleep

PHYSCI 124 - Molecular Biology of Aging

PHYSCI C126 - Biological Clocks

PHYSCI C127 - Neuroendocrinology of Reproduction

PHYSCI 128 - Me, Myself, and Microbes: The Microbiome in Health and Disease

PHYSCI C130 - Sex Differences in Physiology and Disease

PHYSCI 136 - Pathophysiology of Cardiovascular Diseases

PHYSCI 138 - Neuromuscular Physiology and Adaptation

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PHYSCI C144 - Neural Control of Physiological Systems

PHYSCI M145 - Neural Mechanisms Controlling Movement

PHYSCI 146 - Principles of Nervous System Development

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI C152 - Musculoskeletal Anatomy, Physiology, and Biomechanics

PHYSCI 153 - Dissection Anatomy

PHYSCI 154 - Cellular Communication and Regulation of Physiological Processes

PHYSCI 155 - Development and Structure of Musculoskeletal System

PHYSCI 165 - Comparative Animal Physiology

PHYSCI 166 - Animal Physiology

PHYSCI 167 - Physiology of Nutrition

PHYSCI 173 - Anatomy and Physiology of Sense Organs

PHYSCI 174 - Cell Biophysics in Physiology and Disease

PHYSCI 175 - Why Fido Can't Speak: Biological Evolution of Language

PHYSCI M176 - Auditory Neuroscience of Speech Perception and Vocal Communication

PHYSCI 177 - Neuroethology

PHYSCI M180A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PHYSCI M180B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PHYSCI M180C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

Transformations of Energy and Matter

Physiological Science 166 not open for credit for Ecology and Evolutionary Biology 170.

A&O SCI 102 - Climate Change and Climate Modeling

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI 130 - California's Ocean

A&O SCI 145 - Atmospheric Physics: Radiation, Clouds, and Aerosols

CHEM 103 - Environmental Chemistry

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 110B - Topics in Physical Chemistry

CHEM 114 - Physical Chemistry Laboratory

CHEM C123A - Advanced Thermodynamics and Statistical Mechanics with Laboratory I

CHEM C123B - Advanced Thermodynamics and Statistical Mechanics with Laboratory II

CHEM 136 - Organic Structural Methods

CHEM C143A - Structure and Mechanism in Organic Chemistry

CHEM C143B - Mechanism and Structure in Organic Chemistry

CHEM 144 - Practical and Theoretical Introductory Organic Synthesis

CHEM C145 - Theoretical and Computational Organic Chemistry

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

CHEM 153C - Biochemistry: Biosynthetic and Energy Metabolism and Its Regulation

CHEM 153D - Introduction to Protein Structural Biology

CHEM 153L - Biochemical Methods I

CHEM 154 - Biochemical Methods II

CHEM C159 - Mechanisms of Gene Regulation

CHEM C164 - Free Radicals in Biology and Medicine

EE BIOL 103 - Plant Diversity and Evolution

EE BIOL 104 - Plants and People

EE BIOL 109 - Introduction to Marine Science

EE BIOL 109L - Introduction to Marine Science Laboratory

EE BIOL 117 - Evolution of Vertebrates

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 124A - Field Ecology

EE BIOL M131 - Ecosystem Ecology

EE BIOL M139 - Introduction to Chemical Oceanography

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 151A - Tropical Ecology

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 161 - Plant Ecology

EE BIOL 161L - Plant Ecology Laboratory

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL 170 - Animal Environmental Physiology

EE BIOL 184 - Evolution, Development, and Disease

ENV HLT 100 - Introduction to Environmental Health

MIMG 101 - Introductory Microbiology

Systems

Ecology and Evolutionary Biology 120 is not open for credit to students with credit for course 185. Physiological Science 166 is not open for credit for Ecology and Evolutionary Biology 170. Microbiology, Immunology, and Molecular Genetics 100L and 101 must be taken together to satisfy requirement.

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 128P - Primate Behavior Nonhuman to Human

A&O SCI 102 - Climate Change and Climate Modeling

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI 130 - California's Ocean

A&O SCI 145 - Atmospheric Physics: Radiation, Clouds, and Aerosols

CHEM 103 - Environmental Chemistry

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153L - Biochemical Methods I

EPS SCI 116 - Paleontology

EE BIOL 101 - Marine Botany

EE BIOL 102 - Biology of Marine Invertebrates

EE BIOL 104 - Plants and People

EE BIOL 105 - Biology of Invertebrates

EE BIOL 106 - Experimental Marine Invertebrate Biology

EE BIOL 107 - Evolution, Development, and Function of Invertebrate Animals

EE BIOL 108 - Biodiversity in Age of Humans

EE BIOL 110 - Vertebrate Morphology

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 113B - Field Herpetology

EE BIOL 114A - Ornithology

EE BIOL 114B - Field Ornithology

EE BIOL 115 - Mammalogy

EE BIOL 116 - Conservation Biology

EE BIOL 117 - Evolution of Vertebrates

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

EE BIOL 120 - Evolution

EE BIOL 122 - Ecology

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 124A - Field Ecology

EE BIOL 124B - Field Ecology

EE BIOL 125 - Tropical Animal Communication

EE BIOL C126 - Behavioral Ecology

EE BIOL M127 - Soils and Environment

EE BIOL M127L - Soils and Environment: Field

EE BIOL 128 - Plant Physiological Ecology

EE BIOL 129 - Animal Behavior

EE BIOL M131 - Ecosystem Ecology

EE BIOL 132 - Field Behavioral Ecology

EE BIOL 133 - Elements of Theoretical and Computational Biology

EE BIOL 136 - Ecological Restoration

EE BIOL 137 - Chemical Communication

EE BIOL M139 - Introduction to Chemical Oceanography

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 142 - Aquatic Communities

EE BIOL 144 - Prehistoric California

EE BIOL C146 - Conservation Genetics

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

EE BIOL 149 - Evolutionary Genomics

EE BIOL 150 - Principles of Genetics

EE BIOL 150L - Principles of Genetics Laboratory

EE BIOL 151A - Tropical Ecology

EE BIOL 151B - Field Tropical Ecology

EE BIOL 152 - World Vegetation Ecology and Ecophysiology

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 154 - California Ecosystems

EE BIOL 155 - Community Ecology

EE BIOL 156 - Biology and Social Justice

EE BIOL 160 - Introduction to Plant Biology

EE BIOL 161 - Plant Ecology

EE BIOL 161L - Plant Ecology Laboratory

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 163 - Biology of Marine Tetrapods

EE BIOL 164 - Field Biology of Marine Fishes

EE BIOL 165 - Ecological Physiology of Marine Vertebrates

EE BIOL 166 - Biology of Marine-Land Interface

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 168 - Global Change Ecology

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL 170 - Animal Environmental Physiology

EE BIOL C172 - Advanced Statistics in Ecology and Evolutionary Biology

EE BIOL 176 - Ecological Ethics

EE BIOL C177 - Practical Computing for Evolutionary Biologists and Ecologists

EE BIOL M178 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EE BIOL C179 - Communicating Science to Informal Audiences

EE BIOL 180A - Seminar: Biology and Society

EE BIOL 180B - Seminar: Biology and Society

EE BIOL 181 - Parasitology

EE BIOL 182 - Marine Parasitology

EE BIOL 183 - Finding Ecological Solutions to Environmental Problems

EE BIOL 184 - Evolution, Development, and Disease

ENV HLT 100 - Introduction to Environmental Health

GEOG 106 - World Vegetation

GEOG 107 - Forest Ecosystems

GEOG 108 - Analytical Animal Geography

LIFESCI 107 - Genetics

LIFESCI M174 - Health Disparities

MIMG 100L - Microbiology Laboratory for Professional Schools

MIMG 101 - Introductory Microbiology

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 103BL - Advanced Research Analysis in Virology

MIMG 105 - Biological Microscopy

MIMG 109AL - Research Immersion Laboratory in Microbiology

MIMG 109BL - Advanced Research Analysis in Microbiology

MIMG 123 - Advanced Annotation and Comparative Genomics

MIMG 132 - Cell Biology of Nucleus

MIMG C134 - Ethics and Accountability in Biomedical Research

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG 180A - Scientific Analysis and Communication I

MIMG 180B - Scientific Analysis and Communication II

MIMG 185A - Immunology

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 138 - Developmental Biology

MCD BIO M140 - Cancer Cell Biology

MCD BIO C141 - Molecular Basis of Plant Differentiation and Development

MCD BIO 143 - Developmental Biology: Genetic Control of Organogenesis

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 146 - Metabolism and Disease

MCD BIO C150 - Plant Communication

MCD BIO 150AL - Research Immersion Laboratory in Plant-Microbe Ecology

MCD BIO CM156 - Human Genetics and Genomics

MCD BIO 160 - Principles of Light Microscopy

MCD BIO 165A - Biology of Cells

MCD BIO 165B - Molecular Biology of Cell Nucleus

MCD BIO 168 - Stem Cell Biology

MCD BIO M175A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

MCD BIO M175B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

MCD BIO M175C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

PHYSCI 100 - Experimental Statistics

PHYSCI M106 - Neurobiology of Bias and Discrimination

PHYSCI 107 - Systems Anatomy

PHYSCI 108 - Head and Neck Anatomy: Evolutionary, Biomechanical, Developmental, and Clinical Approach

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

PHYSCI 120 - Kidney: Understanding It from Development to Disease to Therapy

PHYSCI 121 - Disease Mechanisms and Therapies

PHYSCI 122 - Biomedical Technology and Physiology

PHYSCI CM123 - Neurobiology of Sleep

PHYSCI 124 - Molecular Biology of Aging

PHYSCI C126 - Biological Clocks

PHYSCI C127 - Neuroendocrinology of Reproduction

PHYSCI 128 - Me, Myself, and Microbes: The Microbiome in Health and Disease

PHYSCI C130 - Sex Differences in Physiology and Disease

PHYSCI M135 - Dynamical Systems Modeling of Physiological Processes

PHYSCI 136 - Pathophysiology of Cardiovascular Diseases

PHYSCI 138 - Neuromuscular Physiology and Adaptation

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PHYSCI C144 - Neural Control of Physiological Systems

PHYSCI M145 - Neural Mechanisms Controlling Movement

PHYSCI 146 - Principles of Nervous System Development

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI C152 - Musculoskeletal Anatomy, Physiology, and Biomechanics

PHYSCI 153 - Dissection Anatomy

PHYSCI 154 - Cellular Communication and Regulation of Physiological Processes

PHYSCI 155 - Development and Structure of Musculoskeletal System

PHYSCI 165 - Comparative Animal Physiology

PHYSCI 166 - Animal Physiology

PHYSCI 167 - Physiology of Nutrition

PHYSCI 173 - Anatomy and Physiology of Sense Organs

PHYSCI 174 - Cell Biophysics in Physiology and Disease

PHYSCI 175 - Why Fido Can't Speak: Biological Evolution of Language

PHYSCI M176 - Auditory Neuroscience of Speech Perception and Vocal Communication

PHYSCI 177 - Neuroethology

PHYSCI M180A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PHYSCI M180B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PHYSCI M180C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH 133B - Cognitive Development

SOC GEN M142 - Primate Genetics, Ecology, and Conservation

Field Biology

The department offers three quarter-long programs of advanced courses in field biology: the Field Biology Quarter (FBQ), the Marine Biology Quarter (MBQ), and the joint Field Marine Biology Quarter (FMBQ). These programs focus on the biology of organisms living in their natural environments, emphasize independent student research projects, and take place at field sites away from the UCLA campus. The course composition varies somewhat from year to year, but each program always carries 16 units of course credit. The Field and Marine Biology quarters may occur during fall, winter, or spring quarter, depending on location and faculty participation. To participate, students must enroll in all courses in the respective program. Participants in both programs are selected by personal interview. Information and applications are available in the Undergraduate Advising Office.

Field Biology Quarter (FBQ)

The Field Biology Quarter involves some combination of the following courses:

EE BIOL 113B - Field Herpetology

EE BIOL 114B - Field Ornithology

EE BIOL 118 - Plant Adaptations

EE BIOL 124A - Field Ecology

EE BIOL 124B - Field Ecology

EE BIOL 125 - Tropical Animal Communication

EE BIOL C126 - Behavioral Ecology

EE BIOL 132 - Field Behavioral Ecology

EE BIOL 134B - Field Physiological Ecology of Desert Animals

EE BIOL 151B - Field Tropical Ecology

Marine Biology Quarter

The Marine Biology Quarter includes some combination of the following courses:

EE BIOL 102 - Biology of Marine Invertebrates

EE BIOL 106 - Experimental Marine Invertebrate Biology

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

EE BIOL 163 - Biology of Marine Tetrapods

EE BIOL 164 - Field Biology of Marine Fishes

EE BIOL 165 - Ecological Physiology of Marine Vertebrates

EE BIOL 182 - Marine Parasitology

Honors Program

An overall grade-point average of 3.4 and a 3.4 in the major are required for graduation with honors. Highest honors are awarded to majors who have a GPA of 3.6 overall and a 3.6 in the major at graduation and who have successfully completed Ecology and Evolutionary Biology 198A and 198B. Students do not need to apply for departmental honors. All students are reviewed for honors.

EE BIOL 198A - Honors Research in Ecology and Evolutionary Biology

EE BIOL 198B - Honors Research in Ecology and Evolutionary Biology

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses. A grade of C– or better is required in each course, with a combined grade-point average in the specialization of at least 2.0. Students must petition for admission to the program and are advised to do so after completing Program in Computing 10B (petitions should be filed in the Undergraduate Advising Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Program in Computing

Complete the following three courses and Program in Computing 30 and 60:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

Additional Course

Select one course from:

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

Policies

Preparation for the Major Policies

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade below C– in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

Each Life Sciences core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade below C– in three core curriculum courses, either in separate courses or repetitions of the same course, are ineligible for the Biology major.

A minimum of five upper-division courses for the major must be taken within the Ecology and Evolutionary Biology Department.

A minimum of two laboratory courses must be taken, including a minimum of one upper-division ecology and evolutionary biology laboratory course.

Courses applied to major requirements may be applied to one core principle only. Courses listed in multiple principles may not be applied simultaneously.

Field quarter instructors determine to which core principle courses apply (four requirements).

A maximum of 8 units of the Ecology and Evolutionary Biology 198 series or 4 units of Ecology and Evolutionary Biology 199 may be applied toward the major. The principal investigator determines to which principle the course applies, after the student's work and quarter are complete. The course must be for a minimum of 4 units. Credit for 199 courses from other departments may not be applied.

Each course applied toward requirements for the major must be taken for a letter grade. Courses applied to upper-division major requirements must have a minimum of 4 units. Courses with fewer than four units may be taken together to satisfy one course requirement. A maximum of one course requirement may be satisfied. A 6-unit course counts as one course on the requirements for the major.

With consent of the instructors and department, a maximum of 4 units of 200-level courses may be applied toward major requirements.

Major

Ecology, Behavior, and Evolution BS

College / School
College of Letters and Science

Department
Ecology and Evolutionary Biology

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Ecology, Behavior, and Evolution major is appropriate for students preparing for graduate study in ecology, behavior, and evolution or for employment in areas such as environmental biology, animal behavior, conservation, teaching, museum work, and governmental positions dealing with environmental

issues of wide importance and impact. A strong field component involving study in terrestrial and marine locales such as coastal, desert, and mountain environments in California and the Southwest and in the Neotropics is required.

Capstone Major

The Ecology, Behavior, and Evolution major is a designated capstone major. Students apply theory and technique learned through four years of classroom and laboratory experience to their own independent projects. The main purpose of the capstone is to provide a unique field experience that involves designing and executing a research project. Students are aided in the scientific process of learning about a new ecosystem, developing relevant questions, designing conceptually based projects, troubleshooting and completing the work, and writing a publication-ready manuscript. They are also expected to exhibit strong teamwork, problem-solving, and communication skills.

Learning Outcomes

1. Demonstrated broad knowledge of fundamentals of ecology, behavior and evolution, or marine biology acquired through coursework
2. Development of skills in library research, data interpretation, synthesis, and scientific writing
3. Use of current primary scientific literature, including database searches, identification of appropriate sources, and reading and understanding papers
4. Understanding of key questions and hypotheses, interpretation of results and conclusions, and discrimination of quality through critique

5. Use of knowledge gained for conception and execution of student project that includes self-developed questions and hypotheses, design of appropriate theoretical or empirical/experimental approach, execution of that approach, and analysis and interpretation of data

6. Communication of original scientific work to colleagues and mentors through capstone scientific paper

7. Demonstrated communication skills through oral or poster presentation at a symposium

8. Display of strong teamwork and problem-solving skills

Entry to the Major

Transfer Students

Transfer applicants to the Ecology, Behavior, and Evolution major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Life Science Core Curriculum

CHEMISTRY

Select one series from:

Chemistry 14 series

- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 14B - General Chemistry for Life Scientists II
- CHEM 14BL - General and Organic Chemistry Laboratory I
- CHEM 14C - Structure of Organic Molecules
- CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

- CHEM 20A - Chemical Structure
- CHEM 20B - Chemical Energetics and Change
- CHEM 20L - General Chemistry Laboratory
- CHEM 30A - Organic Chemistry I: Structure and Reactivity
- CHEM 30AL - General Chemistry Laboratory II
- CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

LIFE SCIENCES

Complete the following four courses:

- LIFESCI 7A - Cell and Molecular Biology
- LIFESCI 7B - Genetics, Evolution, and Ecology
- LIFESCI 7C - Physiology and Human Biology
- LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 series

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

Mathematics 31 series

Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

STATISTICS

Select one course from:

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete the following courses (40 to 44 units) as follows: 4 units of morphology and systematics, 4 units of physiology, 12 units of ecology, behavior, and evolution, 12 to 16 capstone field quarter, and 8 units of electives.

Morphology and Systematics

Select at least four units (one course) from:

EE BIOL 101 - Marine Botany

EE BIOL 103 - Plant Diversity and Evolution

EE BIOL 104 - Plants and People

EE BIOL 105 - Biology of Invertebrates

EE BIOL 110 - Vertebrate Morphology

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 114A - Ornithology

EE BIOL 115 - Mammalogy

EE BIOL 117 - Evolution of Vertebrates

EE BIOL 130 - Principles of Systematic Biology

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL 184 - Evolution, Development, and Disease

Physiology

Select at least four units (one course) from the following list. Students with credit for Ecology and Evolutionary Biology 170 cannot also take Physiological Science 166.

EE BIOL 117 - Evolution of Vertebrates

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 170 - Animal Environmental Physiology

EE BIOL 169 - Biology of Bats: The True Superheroes

PHYSCI 165 - Comparative Animal Physiology

PHYSCI 166 - Animal Physiology

Ecology, Behavior, and Evolution

Select at least 12 units (three courses) from the following list. Students with credit for Life Sciences 4 cannot also take course 107. Students with credit for Ecology and Evolutionary Biology 120 cannot also take course 185.

ANTHRO 128P - Primate Behavior Nonhuman to Human

BIOENGR CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

C&S BIO M186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EPS SCI CM173 - Earth Process and Evolutionary History

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 116 - Conservation Biology

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL 122 - Ecology

EE BIOL C126 - Behavioral Ecology

EE BIOL 128 - Plant Physiological Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL 133 - Elements of Theoretical and Computational Biology

EE BIOL C135 - Population Genetics

EE BIOL 136 - Ecological Restoration

EE BIOL 137 - Chemical Communication

EE BIOL 142 - Aquatic Communities

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 144 - Prehistoric California

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL C146 - Conservation Genetics

EE BIOL 149 - Evolutionary Genomics

EE BIOL 150 - Principles of Genetics

EE BIOL 150L - Principles of Genetics Laboratory

EE BIOL 151A - Tropical Ecology

EE BIOL 152 - World Vegetation Ecology and Ecophysiology

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 154 - California Ecosystems

EE BIOL 155 - Community Ecology

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 161 - Plant Ecology

EE BIOL 161L - Plant Ecology Laboratory

EE BIOL 162 - Plant Physiology

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 168 - Global Change Ecology

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL CM173 - Earth Process and Evolutionary History

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL M178 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EE BIOL 183 - Finding Ecological Solutions to Environmental Problems

EE BIOL 184 - Evolution, Development, and Disease

EE BIOL 185 - Evolutionary Medicine

EE BIOL 186 - Evolutionary Medicine: Clinical Perspective on Medical, Surgical, and Psychiatric Disorders

LIFESCI 107 - Genetics

Capstone Field Quarter

Complete one capstone field quarter consisting of 12 to 16 units from the Field Biology Quarter (FBQ), Marine Biology Quarter (MBQ), join Field Marine Biology Quarter (FMBQ), or pre-approved equivalent (see undergraduate adviser).

Electives

Select at least 8 units (two courses) from the following options:

ANTHROPOLOGY

ANTHRO 128P - Primate Behavior Nonhuman to Human

CHEMISTRY

Upper-division chemistry (except Chemistry 188SA through 199; Chemistry 153A and 153L are strongly recommended).

EARTH, PLANETARY, AND SPACE SCIENCES

Upper-division Earth, planetary, and space sciences (geology only; except Earth, Planetary, and Space Sciences 188 through 199).

ECOLOGY AND EVOLUTIONARY BIOLOGY

Upper-division ecology and evolutionary biology (except Ecology and Evolutionary Biology 188SA through 196).

GEOGRAPHY

Upper-division geography (except Geography 188SA through 199).

LIFE SCIENCES

Students with credit for Life Sciences 4 cannot take Life Sciences 107.

LIFESCI 107 - Genetics

MATHEMATICS

Upper-division mathematics (except Mathematics 105A, 105B, 105C, 106, 188SA through 199).

MICROBIOLOGY

Upper-division microbiology (except Microbiology 193A through 199).

MOLECULAR, CELL, AND DEVELOPMENTAL BIOLOGY

MCD BIO 172 - Genomics and Bioinformatics

PHYSICS

Upper-division physics (except Physics 188SA through 199).

RECOMMENDED: TAXON-ORIENTED COURSES

Recommended: taxon-oriented courses in ecological, behavioral, and evolutionary processes such as:

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 114A - Ornithology

EE BIOL 115 - Mammalogy

Field Biology

The department offers three quarter-long programs of advanced courses in field biology: the Field Biology Quarter (FBQ), the Marine Biology Quarter (MBQ), and the joint Field Marine Biology Quarter (FMBQ). These programs focus on the biology of organisms living in their natural environments, emphasize independent student research projects, and take place at field sites away from the UCLA campus. The course composition varies somewhat from year to year, but each program always carries 16 units of course credit. The Field and Marine Biology quarters may occur during fall, winter, or spring quarter, depending on location and faculty participation. To participate, students must enroll in all courses in the respective program. Participants in both programs are selected by personal interview. Information and applications are available in the Undergraduate Advising Office.

Field Biology Quarter (FBQ)

The Field Biology Quarter involves some combination of the following list of courses:

EE BIOL 113B - Field Herpetology

EE BIOL 114B - Field Ornithology

EE BIOL 118 - Plant Adaptations

EE BIOL 124A - Field Ecology

EE BIOL 124B - Field Ecology

EE BIOL 125 - Tropical Animal Communication

EE BIOL C126 - Behavioral Ecology

EE BIOL 132 - Field Behavioral Ecology

EE BIOL 134B - Field Physiological Ecology of Desert Animals

EE BIOL 151B - Field Tropical Ecology

Marine Biology Quarter

The Marine Biology Quarter includes some combination of the following list of courses:

EE BIOL 102 - Biology of Marine Invertebrates

EE BIOL 106 - Experimental Marine Invertebrate Biology

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

EE BIOL 163 - Biology of Marine Tetrapods

EE BIOL 164 - Field Biology of Marine Fishes

EE BIOL 165 - Ecological Physiology of Marine Vertebrates

EE BIOL 182 - Marine Parasitology

Honors Program

An overall grade-point average of 3.4 and a 3.4 in the major are required for graduation with honors. Highest honors are awarded to majors who have a GPA of 3.6 overall and a 3.6 in the major at

graduation and who have successfully completed Ecology and Evolutionary Biology 198A and 198B. Students do not need to apply for departmental honors. All students are reviewed for honors.

EE BIOL 198A - Honors Research in Ecology and Evolutionary Biology

EE BIOL 198B - Honors Research in Ecology and Evolutionary Biology

Computing Specialization

Majors may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major, (2) completing Program in Computing 10A, 10B, 10C, 30, and 60, and (3) completing one course from Computer Science CM186, Psychology 186A, or 186B. A grade of C– or better is required in each course, with a combined grade-point average in the specialization of at least 2.0. Students must petition for admission to the program and are advised to do so after completing Program in Computing 10B (petitions should be filed in the Undergraduate Advising Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Program to Computing

Complete the following three courses and Program in Computing 30 and 60:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

Additional Course

Select one course from:

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

Policies

Preparation for the Major Policies

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade below C– in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

A maximum of 8 units of the Ecology and Evolutionary Biology 198 series or 4 units of Ecology and Evolutionary Biology 199 may be applied toward the major. Credit for 199 courses from other departments may not be applied.

Courses offered as part of the Field Biology Quarter (FBQ) are open to all qualified students, but strict priority is given to students who are Ecology, Behavior, and Evolution majors, are graduating seniors, have taken a broad range of ecology, behavior, and evolution coursework, and have maintained a good grade-point average.

With consent of the instructors and department, students may enroll in 200-level courses and apply them toward major requirements.

Each course applied toward requirements for preparation for the major and the major must be taken for a letter grade. Ecology, Behavior, and Evolution majors must earn a C– or better in each course taken as preparation for the major, and at least a 2.0 (C) overall average in all courses applied toward the major. Courses applied to upper-division major requirements must have a minimum of 4 units. A 6-unit course counts as one course on the requirements for the major.

As requisites for the Marine Biology Quarter, students must have a 3.0 overall grade-point average and have taken Statistics 13 or equivalent. Preference for the Marine Biology Quarter is given to Ecology, Behavior, and Evolution and Marine Biology majors. It is strongly recommended that students complete Ecology and Evolutionary Biology 109 and 109L prior to applying for the Marine Biology Quarter. Contact the **Undergraduate Advising Office** for all requirements for the Marine and Field Biology quarters.

Major

Marine Biology BS

College / School

College of Letters and Science

Department

Ecology and Evolutionary Biology

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Marine Biology major is designed for students who wish to specialize in the area of marine sciences. Completion of this major provides students with both an excellent background in biology and specialization in various disciplines such as oceanography, subtidal and intertidal ecology, and physiology

of marine organisms. Graduates are well prepared for postgraduate opportunities in the marine sciences, many other areas of biology, and medicine. The major provides valuable field experience with concomitant individual research opportunities in marine biology.

Capstone Major

The Marine Biology major is a designated capstone major. Students apply theory and technique learned through four years of classroom and laboratory experience to their own independent projects. The main purpose of the capstone is to provide a unique field experience that involves designing and executing a research project. Students are aided in the scientific process of learning about a new ecosystem, developing relevant questions, designing conceptually based projects, troubleshooting and completing the work, and writing a publication-ready manuscript. They are also expected to exhibit strong teamwork, problem-solving, and communication skills.

Learning Outcomes

1. Demonstrated broad knowledge of fundamentals of ecology, behavior and evolution, or marine biology acquired through coursework
2. Development of skills in library research, data interpretation, synthesis, and scientific writing
3. Use of current primary scientific literature, including database searches, identification of appropriate sources, and reading and understanding papers

4. Understanding of key questions and hypotheses, interpretation of results and conclusions, and discrimination of quality through critique

5. Use of knowledge gained for conception and execution of student project that includes self-developed questions and hypotheses, design of appropriate theoretical or empirical/experimental approach, execution of that approach, and analysis and interpretation of data

6. Communication of original scientific work to colleagues and mentors through capstone scientific paper

7. Demonstrated communication skills through oral or poster presentation at a symposium

8. Display of strong teamwork and problem-solving skills

Entry to the Major

Transfer Students

Transfer applicants to the Marine Biology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Life Sciences Core Curriculum

ATMOSPHERIC AND OCEANIC SCIENCES OR EARTH, PLANETARY, AND SPACE SCIENCES

Select one course from:

A&O SCI 1 - Climate Change: From Puzzles to Policy

EPS SCI 15 - Blue Planet: Introduction to Oceanography

CHEMISTRY

Select one series from:

Chemistry 14 series

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14C - Structure of Organic Molecules

CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 series

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

Mathematics 31series

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

STATISTICS

Select one course from:

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete 10 to 11 courses as follows: two required courses, 4 units of laboratory, 4 units of marine organismic biology or physiology, 4 units of ecology and behavior, 4 units of evolution, 12 to 16 units of capstone field quarter, one additional physical, chemical, or geological oceanography course.

EE BIOL 109 - Introduction to Marine Science

EE BIOL 109L - Introduction to Marine Science Laboratory

Laboratory

Select at least 4 laboratory units (one course) from:

EE BIOL 101 - Marine Botany

EE BIOL 105 - Biology of Invertebrates

EE BIOL 110 - Vertebrate Morphology

EE BIOL 112 - Ichthyology

EE BIOL 136 - Ecological Restoration

EE BIOL 170 - Animal Environmental Physiology

EE BIOL 181 - Parasitology

Marine Organismic Biology or Physiology

Select at least 4 units of marine organismic biology or physiology (one course) from following list. Courses applied toward the laboratory requirement may not be applied. Students with credit for Ecology and Evolutionary Biology 170 cannot also take Physiological Science 166.

EE BIOL 101 - Marine Botany

EE BIOL 105 - Biology of Invertebrates

EE BIOL 107 - Evolution, Development, and Function of Invertebrate Animals

EE BIOL 112 - Ichthyology

EE BIOL 117 - Evolution of Vertebrates

EE BIOL 128 - Plant Physiological Ecology

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 142 - Aquatic Communities

EE BIOL 170 - Animal Environmental Physiology

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 184 - Evolution, Development, and Disease

PHYSCI 166 - Animal Physiology

Ecology and Behavior

Select at least 4 units of ecology and behavior (one course) from:

ANTHRO 128P - Primate Behavior Nonhuman to Human

BIOENGR CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

C&S BIO M186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

EE BIOL 122 - Ecology

EE BIOL C126 - Behavioral Ecology

EE BIOL 128 - Plant Physiological Ecology

EE BIOL 129 - Animal Behavior

EE BIOL M131 - Ecosystem Ecology

EE BIOL 133 - Elements of Theoretical and Computational Biology

EE BIOL 136 - Ecological Restoration

EE BIOL 137 - Chemical Communication

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 142 - Aquatic Communities

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL C146 - Conservation Genetics

EE BIOL 151A - Tropical Ecology

EE BIOL 152 - World Vegetation Ecology and Ecophysiology

EE BIOL 154 - California Ecosystems

EE BIOL 155 - Community Ecology

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 161 - Plant Ecology

EE BIOL 161L - Plant Ecology Laboratory

EE BIOL 162 - Plant Physiology

EE BIOL 170 - Animal Environmental Physiology

EE BIOL C172 - Advanced Statistics in Ecology and Evolutionary Biology

EE BIOL M178 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EE BIOL 183 - Finding Ecological Solutions to Environmental Problems

EE BIOL 184 - Evolution, Development, and Disease

GEOG M110 - Ecosystem Ecology

Evolution

Select at least 4 evolution units (one course) from following list. Students with credit for Ecology and Evolutionary Biology 120 cannot also take course 185. Students with credit for Life Sciences 4 cannot also take course 107.

ANTHRO M128S - Primate Genetics, Ecology, and Conservation

EPS SCI CM173 - Earth Process and Evolutionary History

EE BIOL 116 - Conservation Biology

EE BIOL 117 - Evolution of Vertebrates

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL 130 - Principles of Systematic Biology

EE BIOL 133 - Elements of Theoretical and Computational Biology

EE BIOL C135 - Population Genetics

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 144 - Prehistoric California

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL C146 - Conservation Genetics

EE BIOL 149 - Evolutionary Genomics

EE BIOL 150 - Principles of Genetics

EE BIOL 150L - Principles of Genetics Laboratory

EE BIOL CM173 - Earth Process and Evolutionary History

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 184 - Evolution, Development, and Disease

EE BIOL 185 - Evolutionary Medicine

EE BIOL 186 - Evolutionary Medicine: Clinical Perspective on Medical, Surgical, and Psychiatric Disorders

LIFESCI 107 - Genetics

SOC GEN M142 - Primate Genetics, Ecology, and Conservation

Capstone Field Quarter

Complete one capstone field quarter consisting of 12 to 16 units from the Marine Biology Quarter (MBQ) or pre-approved equivalent (see undergraduate adviser).

Physical, Chemical, or Geological Oceanography

Select one additional physical, chemical, or geological oceanography course from:

A&O SCI 102 - Climate Change and Climate Modeling

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI M106 - Applied Climatology: Principles of Climate Impact on Natural Environment

A&O SCI 130 - California's Ocean

CHEM 103 - Environmental Chemistry

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

EPS SCI 100 - Principles of Earth Science

EPS SCI 116 - Paleontology

EPS SCI 119 - Continental Drift and Plate Tectonics

EPS SCI C141 - Basin Analysis

EPS SCI 153 - Oceans and Atmospheres

EE BIOL 104 - Plants and People

EE BIOL M131 - Ecosystem Ecology

EE BIOL M139 - Introduction to Chemical Oceanography

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 198B - Honors Research in Ecology and Evolutionary Biology

EE BIOL 199 - Directed Research in Ecology and Evolutionary Biology

GEOG 101 - Principles of Geomorphology

GEOG M110 - Ecosystem Ecology

GEOG M118 - Applied Climatology: Principles of Climate Impact on Natural Environment

GEOG 130 - Food and Environment

GEOG 182A - Introduction to Remote Sensing

MECH&AE 103 - Elementary Fluid Mechanics

MECH&AE 150A - Intermediate Fluid Mechanics

MCD BIO 172 - Genomics and Bioinformatics

Field Biology

The department offers three quarter-long programs of advanced courses in field biology: the Field Biology Quarter (FBQ), the Marine Biology Quarter (MBQ), and the joint Field Marine Biology Quarter (FMBQ). These programs focus on the biology of organisms living in their natural environments, emphasize independent student research projects, and take place at field sites away from the UCLA campus. The course composition varies somewhat from year to year, but each program always carries 16 units of course credit. The Field Biology Quarter involves some combination of Ecology and Evolutionary Biology 113B, 114B, 118, 124A, 124B, 125, C126, 132, 134B, and 151B. The Marine Biology Quarter includes some combination of Ecology and Evolutionary Biology 102, 106, 123A, 123B, 147, 148, 163, 164, 165, and 182. The Field and Marine Biology quarters may occur during fall, winter, or spring quarter, depending on location and faculty participation. To participate, students must

enroll in all courses in the respective program. Participants in both programs are selected by personal interview. Information and applications are available in the Undergraduate Advising Office.

Field Biology Quarter (FBQ)

The Field Biology Quarter involves some combination of the following courses:

- EE BIOL 113B - Field Herpetology
- EE BIOL 114B - Field Ornithology
- EE BIOL 118 - Plant Adaptations
- EE BIOL 124A - Field Ecology
- EE BIOL 124B - Field Ecology
- EE BIOL 125 - Tropical Animal Communication
- EE BIOL C126 - Behavioral Ecology
- EE BIOL 132 - Field Behavioral Ecology
- EE BIOL 134B - Field Physiological Ecology of Desert Animals
- EE BIOL 151B - Field Tropical Ecology

Marine Biology Quarter (MBQ)

The Marine Biology Quarter involves some combination of the following courses:

- EE BIOL 102 - Biology of Marine Invertebrates
- EE BIOL 106 - Experimental Marine Invertebrate Biology
- EE BIOL 123A - Field Marine Ecology
- EE BIOL 123B - Field Marine Ecology
- EE BIOL 147 - Biological Oceanography
- EE BIOL 148 - Biology of Marine Plants
- EE BIOL 163 - Biology of Marine Tetrapods
- EE BIOL 164 - Field Biology of Marine Fishes
- EE BIOL 165 - Ecological Physiology of Marine Vertebrates

EE BIOL 182 - Marine Parasitology

Honors Program

An overall grade-point average of 3.4 and a 3.4 in the major are required for graduation with honors. Highest honors are awarded to majors who have a GPA of 3.6 overall and a 3.6 in the major at graduation and who have successfully completed Ecology and Evolutionary Biology 198A and 198B. Students do not need to apply for departmental honors. All students are reviewed for honors.

EE BIOL 198A - Honors Research in Ecology and Evolutionary Biology

EE BIOL 198B - Honors Research in Ecology and Evolutionary Biology

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following requirements. A grade of C– or better is required in each course, with a combined grade-point average in the specialization of at least 2.0. Students must petition for admission to the program and are advised to do so after completing Program in Computing 10B (petitions should be filed in the Undergraduate Advising Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Program in Computing

Complete the following three courses and Program in Computing 30 and 60:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

Additional Course

Select one course from:

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

Policies

Preparation for the Major Policies

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade below C– in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

Credit for 199 courses from other departments may not be applied.

With consent of the instructors and department, students may enroll in 200-level courses and apply them toward major requirements.

Each course applied toward requirements for preparation for the major and the major must be taken for a letter grade. Marine Biology majors must earn a C– or better in each course taken as preparation for the major, and at least a 2.0 (C) overall average in all courses applied toward the major. Courses applied to upper-division major requirements must have a minimum of 4 units. A 6-unit course counts as one course on the requirements for the major.

As requisites for the Marine Biology Quarter, students must have a 3.0 overall grade-point average and have taken Statistics 13 or equivalent. Preference for the Marine Biology Quarter is given to Ecology, Behavior, and Evolution majors, and Marine Biology majors. Students must complete Ecology and Evolutionary Biology 109 and 109L prior to participating in the Marine Biology Quarter. Contact the **Undergraduate Advising Office** for all requirements for the Marine and Field Biology quarters.

Minor

Conservation Biology Minor

College / School

College of Letters and Science

Department

Ecology and Evolutionary Biology

Level

Undergraduate

Overview

The Conservation Biology minor is designed for students who wish to augment their major program of study with courses addressing issues central to the conservation and sustainability of biodiversity and natural ecosystem processes. The minor seeks to provide students with a greater depth of experience and understanding of the role that science can play in developing conservation policy.

Entry to the Minor

Admission

To enter the minor, students must (1) be in good academic standing (2.0 grade-point average or better), (2) have completed Life Sciences 7B, Ecology and Evolutionary Biology 100 with a minimum grade of C or better, and (3) submit a petition through Message Center to the Undergraduate Advising Office. All degree requirements, including the specific requirements for this minor, must be fulfilled within the unit maximum set forth by the College of Letters and Science.

Non-life sciences majors wishing to minor in Conservation Biology should be aware that preparation courses in chemistry, life sciences, mathematics, and physics are requisites to some of the upper-division courses accepted for the minor.

Minor Requirements

The Minor

Required Lower-Division Course (5 units)

Complete the following course:

LIFESCI 7B - Genetics, Evolution, and Ecology

Required Upper-Division Courses (28 units minimum)

Complete five to seven courses, including Ecology and Evolutionary Biology 100 and 116 (or Environment 121), as follows:

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

ENVIRON 121 - Conservation of Biodiversity

UPPER-DIVISION ELECTIVES

Select four to six courses (20 units minimum) from following list. Courses completed as part of the Field Biology Quarter and Marine Biology Quarter may be applied if not taken to fulfill a field quarter requirement; consult with the undergraduate counselors for more information. A maximum of two upper-division geography courses may be applied to the minor.

A&O SCI M106 - Applied Climatology: Principles of Climate Impact on Natural Environment

EE BIOL 100L - Introduction to Ecology and Behavior Laboratory

EE BIOL 101 - Marine Botany

EE BIOL 103 - Plant Diversity and Evolution

EE BIOL 104 - Plants and People

EE BIOL 105 - Biology of Invertebrates

EE BIOL 109 - Introduction to Marine Science

EE BIOL 109L - Introduction to Marine Science Laboratory

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 114A - Ornithology

EE BIOL 114B - Field Ornithology

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

EE BIOL 122 - Ecology

EE BIOL M127 - Soils and Environment

EE BIOL 129 - Animal Behavior

EE BIOL M131 - Ecosystem Ecology

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 142 - Aquatic Communities

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 144 - Prehistoric California

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL C146 - Conservation Genetics

EE BIOL 149 - Evolutionary Genomics

EE BIOL 151A - Tropical Ecology

EE BIOL 152 - World Vegetation Ecology and Ecophysiology

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 154 - California Ecosystems

EE BIOL 155 - Community Ecology

EE BIOL 161 - Plant Ecology

EE BIOL 161L - Plant Ecology Laboratory

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 167 - Natural History Collections in Biological Sciences

EE BIOL 167L - Natural History Collections in Biological Sciences Laboratory

EE BIOL 168 - Global Change Ecology

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 176 - Ecological Ethics

EE BIOL 180A - Seminar: Biology and Society

EE BIOL 180B - Seminar: Biology and Society

EE BIOL 183 - Finding Ecological Solutions to Environmental Problems

EE BIOL 184 - Evolution, Development, and Disease

ENVIRON M102 - Soils and Environment

ENVIRON M103 - Soil and Water Conservation

ENVIRON M126 - Environmental Change

GEOG M102 - Soils and Environment

GEOG M103 - Soil and Water Conservation

GEOG 106 - World Vegetation

GEOG 107 - Forest Ecosystems

GEOG M110 - Ecosystem Ecology

GEOG 116 - Climatology

GEOG 117 - Tropical Climatology

GEOG M118 - Applied Climatology: Principles of Climate Impact on Natural Environment

GEOG M126 - Environmental Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 133 - Humid Tropics

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. Transfer credit for any of the above is subject to departmental approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have a minimum grade of C (2.0) in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Evolutionary Medicine Minor

College / School
College of Letters and Science

Department
Ecology and Evolutionary Biology

Level

Undergraduate

Overview

The Evolutionary Medicine minor is designed for students who wish to augment their major program of study with courses that combine the disciplines of ecology and evolutionary biology, anthropology, psychology, and zoology with medicine to create new paradigms for investigating and understanding disease. The minor provides students with a greater depth of experience and understanding of the integration of evolutionary biology and medical education.

Entry to the Minor

Admission

To enter the minor, students must (1) be in good academic standing (2.0 grade-point average or better), (2) have completed Life Sciences 7B, Ecology and Evolutionary Biology 100, and 120 or 185 with minimum grades of C or better, and (3) submit a petition through Message Center to the Undergraduate Advising Office. All degree requirements, including the specific requirements for this minor, must be fulfilled within the unit maximum set forth by the College of Letters and Science.

Non-life sciences majors wishing to minor in Evolutionary Medicine should be aware that preparation courses in chemistry, life sciences, mathematics, and physics are requisites to some of the upper-division courses accepted for the minor.

Minor Requirements

The Minor

Required Lower-Division Course (5 units)

Complete the following course:

- LIFESCI 7B - Genetics, Evolution, and Ecology

Required Upper-Division Courses (24 units minimum)

Complete seven to nine courses, including Ecology and Evolutionary Biology 100, as follows:

- EE BIOL 100 - Introduction to Ecology and Behavior

ECOLOGY AND EVOLUTIONARY BIOLOGY 120 OR 185

Select one course from:

- EE BIOL 120 - Evolution
- EE BIOL 185 - Evolutionary Medicine

AREAS

Select four to five courses from the following (no more than two courses from any area):

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 126P - Paleopathology

ANTHRO 128P - Primate Behavior Nonhuman to Human

ANTHRO 129 - Selected Topics in Biological Anthropology

COM HLT 100 - Introduction to Community Health Sciences

COM HLT 130 - Nutrition and Health

COM SCI C124 - Machine Learning Applications in Genetics

EE BIOL 104 - Plants and People

EE BIOL 110 - Vertebrate Morphology

EE BIOL 117 - Evolution of Vertebrates

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

EE BIOL 121 - Molecular Evolution

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 149 - Evolutionary Genomics

EE BIOL 150 - Principles of Genetics

EE BIOL 150L - Principles of Genetics Laboratory

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 169 - Biology of Bats: The True Superheroes

EE BIOL 171 - Coming of Age on Planet Earth

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 184 - Evolution, Development, and Disease

EE BIOL 186 - Evolutionary Medicine: Clinical Perspective on Medical, Surgical, and Psychiatric Disorders

EPIDEM 100 - Principles of Epidemiology

GEOG 136 - Health and Global Environment

GRNTLGY M108 - Biomedical, Social, and Policy Frontiers in Human Aging

GRNTLGY 120 - Sex and Aging

HNRS 141 - Biology and Medicine in Postgenomic Era

HUM GEN C144 - Genomic Technology

MIMG 106 - Molecular and Genetic Basis of Bacterial Infections

MIMG 107 - Viral Pathogenesis

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG 174 - Advanced Topics in Molecular Parasitology

MCD BIO CM156 - Human Genetics and Genomics

MCD BIO 168 - Stem Cell Biology

MCD BIO 172 - Genomics and Bioinformatics

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

NEUROSC 101L - Neuroscience Laboratory

PHILOS 137 - Philosophy of Biology

PHILOS 155A - Medical Ethics

PHILOS 155B - Topics in Medical Ethics

PHYSCI 124 - Molecular Biology of Aging

PHYSCI 125 - Molecular Systems Biology

PHYSCI 165 - Comparative Animal Physiology

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH 118 - Comparative Psychobiology

PSYCH 119C - Cognitive Neuroscience

PSYCH 119F - Neural Basis of Behavior

PUB HLT C150 - Fundamentals of Public Health

SOC WLF 164 - HIV Prevention in U.S. and Developing World

SOCIOL 119 - Primate Societies

SOCIOL 143 - Human Health and Society

SOCIOL 170 - Medical Sociology

REQUIRED RESEARCH PROJECT OR INTERNSHIP (4 UNITS MINIMUM)

Select Ecology and Evolutionary Biology 198A and 198B or 199 or a suitable research internship from another department. The courses must be taken for letter grades.

EE BIOL 198A - Honors Research in Ecology and Evolutionary Biology

EE BIOL 198B - Honors Research in Ecology and Evolutionary Biology

EE BIOL 199 - Directed Research in Ecology and Evolutionary Biology

RESEARCH SYMPOSIUM (POSTER SESSION)

> Participation in the Annual Biology Research Symposium (Poster Session) sponsored by the department in spring quarter is highly recommended.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. Transfer credit for any of the above is subject to departmental approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have a minimum grade of C (2.0) in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Biology MS, CPhil, PhD

College / School

College of Letters and Science

Department

Ecology and Evolutionary Biology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Economics Overview

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College of Letters and Science

8283 Bunche Hall
Box 951477
Los Angeles, CA 90095-1477

Economics
310-825-1011

Jinyong Hahn, PhD, ***Chair***
John W. Asker, PhD, ***Undergraduate Vice Chair***
Ichiro Obara, PhD, ***Graduate Vice Chair***
Andrew G. Atkeson, PhD, ***Director, Business Economics***

The UCLA Department of Economics is one of the top-ranked departments in the world. Through their research, the young and active faculty shape policy and inform the public on critical issues affecting the U.S. and the world. The department's work covers diverse topics such as the origins and persistence of the Great Depression and its lessons for today's economy, the relationship between education and health outcomes, cartels and antitrust policy, the economics of health care, and the impact of immigration on labor markets. Many faculty have received special recognition for their body of research by election to prestigious institutions such as the National Academy of Science, the American Academy of Arts and Sciences, and the Econometric Society, or have received celebrated awards such as the Guggenheim and Sloan Fellowships.

The undergraduate students are equally impressive. They are among the brightest students on campus and consistently go on to find success in the job market and in graduate school. Approximately 3,000 majors make the department the largest among major economics departments across the country, and the one of the largest majors on campus. Students come from countries around the world, but the majority call

California their home. Many are the first in their families to attend college, and the department is proud of them and their accomplishments.

An economics degree opens the door to a world of opportunities beyond UCLA. Department alumni play important roles in business, entertainment, and academia. Many maintain strong ties with UCLA and with the department. Undergraduate students go on to attend business school, law school, medical school, and graduate school in a variety of disciplines.

Undergraduate Study

The Economics Department undergraduate program is designed for students who wish to gain a thorough understanding of both empirical and theoretical approaches to economics. Emphasis is on economic principles applied to resolving interpersonal conflicts of interest and coordinating productive activity in a world of scarce resources. Because students must gain a thorough theoretical and technical competence before extensive study of the applied specializations in the discipline, the analytic core of the major in Economics is closely structured. Some courses are appropriate for nonmajors, but the curriculum is most suitable for students who wish to make the study of economics the primary focus in their undergraduate education.

The undergraduate major provides students with analytical training in reference to socioeconomic phenomena and provides an excellent theoretical background for those pursuing graduate education in economics, law, management, public administration, journalism, social welfare, architecture and urban planning, and education.

Graduate Study

The graduate program is designed primarily for students pursuing the PhD degree. The doctorate is awarded to those students who have achieved the level of study and training required for a professional economist. The degree recognizes students' ability to make scholarly contributions in their fields of specialization and to undertake advanced research in those areas.

Course Numbering

Economics courses are organized by number into the categories shown.

Course Numbers	Category
200–209	Foundations of Economics
210–219	Economic Theory
220–229	Monetary Economics

230–239	Econometrics
240–249	Economic History
250–259	Public Finance
260–269	Applied Microeconomics
270–279	Industrial Organization
280–285	International Economics
286–289	Development Economics
400–489	Master of Quantitative Economics
495–599	Special Studies

Economics Faculty Roster

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Professors

John W. Asker, PhD *(Armen A. Alchian Professor of Economic Theory)*
Andrew G. Atkeson, PhD *(Stanley M. Zimmerman Endowed Professor of Economics and Finance)*
Martha J. Bailey, PhD
David R. Baqaee, PhD
Natalie D. Bau, PhD
Simon A. Board, PhD *(Benjamin Graham Endowed Professor of Value Investing)*
Ariel T. Burstein, PhD
Dennis N. Chetverikov, PhD
Dora L. Costa, PhD *(Kenneth L. Sokoloff Professor of Economic History)*
Sebastian Edwards, PhD *(Henry Ford II Professor of International Management)*
Pablo D. Fajgelbaum, PhD
Jinyong Hahn, PhD
Gary D. Hansen, PhD
Hugo A. Hopenhayn, PhD
Oleg Itskhoki, PhD *(Venu and Ana Kotamraju Endowed Professor of Economics)*
Zhipeng Liao, PhD
Adriana Lleras-Muney, PhD
Rosa L. Matzkin, PhD *(Charles E. Davidson Endowed Professor of Economics)*
Maurizio Mazzocco, PhD
Kathleen M. McGarry, PhD
Moritz Meyer-ter-Vehn, PhD
Ichiro Obara, PhD
Lee E. Ohanian, PhD
Peter E. Rossi, PhD *(James A. Collins Professor of Management)*
Andres Santos, PhD

Aaron Tornell, PhD
Jonathan E. Vogel, PhD
Till M. von Wachter, PhD
Pierre-Olivier Weill, PhD
Hua Zhou, PhD

Professors Emeriti

Costas Azariadis, PhD
Moshe Buchinsky, PhD
Bryan C. Ellickson, PhD
Roger E. Farmer, PhD
Arnold C. Harberger, PhD
Benjamin Klein, PhD
Naomi R. Lamoreaux, PhD
Joseph M. Ostroy, PhD
John G. Riley, PhD
William R. Zame, PhD

Associate Professors

Saki Bigio, PhD
Michela Giorcelli, PhD
Martin B. Hackmann, PhD
Jay Y. Lu, PhD
Sule Ozler, PhD
Tomasz M. Sadzik, PhD

Assistant Professors

Alexander W. Bloedel, PhD
Daniel G. Clark, PhD
Levi G. Crews, PhD
Bernardo S. da Silveira, PhD
Felipe M. Goncalves, PhD
Daniel Haanwinckel Junqueira, PhD
Patrick J. Kennedy, PhD
Juliana Londoño-Vélez, PhD
William M. Rafey, PhD
Michael A. Rubens, PhD

Yotam Shem-Tov, PhD
João Teodoro Guerreiro, PhD

Lecturers

Edward P. McDevitt, PhD
Stephen G. Ross, PhD

Adjunct Associate Professor

Randall R. Rojas, PhD

Adjunct Assistant Professors

Kimberly S. Boswell, PhD
Patrick D. Convery, MBA, PhD
Olivia I. Osei-Twumasi, PhD
William E. Simon, Jr., JD, PhD
Christopher J. Surro, PhD

Major

Business Economics BA

College / School
College of Letters and Science

Department
Economics

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The Business Economics BA program offers a major for students seeking a business orientation in their study of economics. It does not replicate the traditional undergraduate business school curriculum. Instead, it offers a more tightly focused curriculum that is guided by the rigorous logic and integrative

perspective of economics. It is designed to prepare students for graduate education in business, economics, and law. The program requires students to include specific courses offered by the department and the John E. Anderson Graduate School of Management.

Learning Outcomes

1. Understanding, through application of microeconomics, of the interaction of individuals and organizations in markets; and of the role of public policy in shaping those interactions
2. Understanding, through application of macroeconomics, of the functioning of market economies at regional, national, and global levels; and of the role of public policy in shaping those interactions
3. Understanding and application of accounting principles to analysis of business problems
4. Acquisition and use of data to evaluate hypotheses with tables, charts, and statistical analyses
5. Use of appropriate analytical perspectives and approaches to frame problems involving the interaction of people, organizations, markets, and society; identify effective strategic approaches to problem solving; and gather and organize key information to facilitate problem solving

Entry to the Major

Admission

Applications for admission by current UCLA students are handled exclusively by the Department of Economics. To apply, students must have completed at least 72 quarter units (but no more than 135 quarter units), one 12-unit fall, winter, or spring term in residence at UCLA, and all courses listed under preparation for the major. Applications are available on the undergraduate economics Bruin Learn website and are accepted online during the first three weeks of each quarter as well as summer session A. In addition, they must (1) have a 2.0 (C) minimum grade in each preparation course, (2) have a minimum 3.0 (B) overall average in all preparation courses, and (3) have a minimum 2.0 (C) grade-point average in their upper-division courses taken for the major before applying (Economics 101 applies on the major preparation grade-point average).

The requisite grade-point averages plus completion of the preparation for the major courses do not guarantee admission to the program.

Pre-Major

While students are completing the preparation courses for the major, they may be classified as Business Economics pre-majors.

Transfer Students

Transfer applicants to the Business Economics major must complete the following introductory courses prior to admission to UCLA: one microeconomics course, one macroeconomics course, two calculus courses from the mathematics/physical sciences sequence. Transfer students who wish to enter UCLA as Business Economics pre-majors must meet the admission screening requirements. For information, contact Undergraduate Admission.

Transfer credit for any of the above is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 9 courses as follows:

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ECON 11 - Microeconomic Theory

ECON 41 - Probability and Statistics for Economists

ECON 101 - Microeconomic Theory

MGMT 1A - Principles of Accounting

MGMT 1B - Principles of Accounting

Mathematics

Complete two courses as follows:

MATH 31A - Differential and Integral Calculus

MATHEMATICS 31B OR 31E

Select one course from:

MATH 31B - Integration and Infinite Series

MATH 31E - Calculus for Economics Students

The Major

Complete 15 courses as follows:

ECON 102 - Macroeconomic Theory

ECON 103 - Introduction to Econometrics

ECON 103L - Econometrics Laboratory

ECON 104 - Data Science for Economists

ECON 104L - Data Science for Economists Laboratory

ENGCOMP 131B - Specialized Writing: Business and Social Policy

Economics 106 series

Complete at least two courses from the Economics 106 series.

Upper-Division Electives

Complete five upper-division elective courses in economics and management (no more than three management courses from Management 108, 120A, 120B, 122, 123, 124, 126, 127A, 127B, 130A, 140 may be applied toward the elective requirement).

Economics Courses with Laboratories

In addition to Economics 103 and 103L, and 104 and 104L, at least two economics courses with laboratories must be completed and may be selected from either the Economics 106 series or an economics elective.

Honors Program

Complete the following two courses in which a thesis is written:

ECON 198A - Honors Research in Economics I

ECON 198B - Honors Research in Economics II

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

For students admitted to UCLA in fall 2023 and later, repetition of more than two pre-major economics courses or of any preparation course more than once, including equivalent courses taken elsewhere, results in automatic denial of admission to the major.

For students admitted to UCLA prior to fall 2023, repetition of more than one preparation course or of any preparation course more than once, including equivalent courses taken elsewhere, results in automatic denial of admission to the major.

The Major Policies

Each upper-division major course must be taken for a letter grade. Transfer credit for any of the major courses is subject to department approval; consult with an undergraduate counselor before enrolling in

any courses for the major. Laboratory courses are required for all upper-division economics courses when they are offered and listed as mandatory co-requisite.

To graduate, students must have a minimum 2.0 grade-point average in their upper-division major courses, with at least a C– in each course. (Economics 101 applies on the preparation for the major, therefore requiring a minimum grade of C.)

Honors Program

The departmental honors program is open to majors who have a cumulative grade-point average of at least 3.5 in the major and in all courses taken at UCLA prior to application.

To qualify for departmental honors at graduation, students must (1) select at least seven of the required upper-division economics courses from the approved list designated for departmental honors, (2) complete a two-term senior thesis acceptable to the departmental honors committee in Economics 198A and 198B, and (3) complete the major requirements with at least a 3.5 grade-point average in the economics courses. Highest honors are awarded at the discretion of the departmental honors committee based on grade-point average and quality of the senior thesis.

Economics 198A and 198B, the courses required for thesis preparation, may be counted as upper-division courses toward the field in which the thesis is written (for purposes of satisfying the requirements for the major). More information and application forms are available from an undergraduate counselor in 2263 Bunche Hall.

Major

Economics BA

College / School
College of Letters and Science

Department
Economics

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Application of economic analyses to everyday life, and visualization of economics in real-world situations

2.	Application of learning to policy-relevant issues
3.	Ability to understand current events
4.	Ability to assess the likely impact of specific policies put forth by government entities
5.	Evaluation of the role played by assumptions in arguments made for and against economic and policy issues
6.	Use of quantitative evidence and economic models to assess the validity of economic and policy-relevant arguments
7.	Understanding of statistical methodology and interpretation of statistical evidence
8.	Use of data to construct quantitative economics arguments, and to understand the statistical problems associated with interpreting the results
9.	Understanding of the role of sample selection/endogeneity in affecting results, and how to correct for these issues
10.	Formulation of written arguments that state assumptions and hypotheses, and evaluation of their pros and cons based on evidence
11.	Oral presentation of a carefully reasoned economic argument, and response to related questions
12.	Graphic presentation of a carefully reasoned economic argument by means of graphs, figures, charts, and presentation software

13. Working knowledge of information databases, and knowledge of how to use the Web in gathering reliable information

14. Location and use of primary data sources such as surveys

15. Use of knowledge gained to understand and evaluate current economic events and new economic ideas

Entry to the Major

Admission

Application for the Economics major should be submitted to the undergraduate counseling office through the Message Center. To apply, students must have completed at least 72 quarter units (but no more than 135 quarter units), one 12-unit term in residence in regular session at UCLA, and all courses listed under preparation for the major. Grades for preparation for the major courses must be reflected on the Degree Audit Report (DAR) prior to submission.

Pre-Major

While students are completing the lower-division preparation for the major courses for the major, they may be classified as Economics pre-majors.

Transfer Students

Transfer applicants to the Economics major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one microeconomics course, one macroeconomics course, two calculus courses from the mathematics/physical sciences sequence. Transfer students must successfully complete all remaining pre-major requirements within their first three registered terms at UCLA.

Transfer credit for any of the above is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major.

Refer to the **UCLA transfer admission guide** for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete six courses as follows:

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ECON 11 - Microeconomic Theory

ECON 41 - Probability and Statistics for Economists

Mathematics

Complete two courses as follows:

MATH 31A - Differential and Integral Calculus

MATHEMATICS 31B OR 31E

Select one course from:

MATH 31B - Integration and Infinite Series

MATH 31E - Calculus for Economics Students

The Major

Complete 12 upper-division economics courses as follows:

ECON 101 - Microeconomic Theory

ECON 102 - Macroeconomic Theory

ECON 103 - Introduction to Econometrics

ECON 103L - Econometrics Laboratory

ECON 104 - Data Science for Economists

ECON 104L - Data Science for Economists Laboratory

Upper-Division Electives

Complete six Economics Department upper-division elective courses or listed Management courses.

UPPER-DIVISION ECONOMICS COURSES

Select from upper-division economics courses.

MANAGEMENT

No more than two of the elective courses may also be selected from following Management courses. Management 180 may only apply as the real estate finance topic.

MGMT 120A - Intermediate Financial Accounting I

MGMT 120B - Intermediate Financial Accounting II

MGMT 122 - Management Accounting

MGMT 127A - Tax Principles and Policy

MGMT 130A - Basic Managerial Finance

MGMT 180 - Special Topics in Management

Honors Program

Complete the following two courses in which a thesis is written:

ECON 198A - Honors Research in Economics I

ECON 198B - Honors Research in Economics II

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. A 2.0 (C) grade is required in each pre-major course. To enter the major, students must have a minimum 2.5 grade-point average in the economics and mathematics preparation courses and a GPA of at least 2.0 in any upper-division courses taken for the major before applying.

For students admitted to UCLA in fall 2023 and later, repetition of more than two pre-major economics courses or of any preparation course more than once, including equivalent courses taken elsewhere,

results in automatic denial of admission to the major.

For students admitted to UCLA prior to fall 2023, repetition of more than one preparation course or of any preparation course more than once, including equivalent courses taken elsewhere, results in automatic denial of admission to the major.

The Major Policies

Each course must be taken for a letter grade. Transfer credit is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major. Laboratory courses are required for all upper-division economics courses when they are offered and listed as mandatory co-requisite.

To graduate, students must have at least a 2.0 grade-point average in their upper-division major courses, with grades of C– or better in Economics 101, 102, 103, 103L, 104, and 104L. A minimum grade of D or better is required in the six upper-division elective courses for the major.

Honors Program

The departmental honors program is open to majors who have a cumulative grade-point average of at least 3.5 in the major and in all courses taken at UCLA prior to application.

To qualify for departmental honors at graduation, students must (1) select at least seven of the required upper-division economics courses from the approved list designated for departmental honors, (2) complete a two-term senior thesis acceptable to the departmental honors committee in Economics 198A and 198B, and (3) complete the major requirements with at least a 3.5 grade-point average in the economics courses. Highest honors are awarded at the discretion of the departmental honors committee based on grade-point average and quality of the senior thesis.

Economics 198A and 198B, the courses required for thesis preparation, may be counted as upper-division courses toward the field in which the thesis is written (for purposes of satisfying the requirements for the major). More information and application forms are available from an undergraduate counselor in 2263 Bunche Hall.

Major

Economics MA, CPhil, PhD

College / School

College of Letters and Science

Department

Economics

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Doctor of Philosophy, Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Quantitative Economics

College / School

College of Letters and Science

Department

Economics

Degree Level

Graduate

Degree Objective

Master of Quantitative Economics

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Education Overview

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School of Education and Information Studies

1009 Moore Hall
Box 951521
Los Angeles, CA 90095-1521

Education
310-825-8326
School e-mail

Cecilia Rios-Aguilar, PhD, *Chair*

As one of the top-ranked public graduate programs in education in the nation, the Department of Education is guided by a commitment to integrate theory and practice and to improve educational practice and policy. The department attracts prominent scholars and is internationally recognized for its research centers in evaluation, higher education, child development, and urban education. Whether students choose to pursue a Doctor of Philosophy (PhD), a Doctor of Education (EdD), a master's degree, or a services or instructional credential, they graduate with a broad understanding of educational theory and tested practice.

Course Numbering

Education courses are organized by number into the categories shown.

Course Numbers	Category
100–119	Histories and Philosophies
120–149	Contexts of Teaching and Learning

150–169	Inquiry and Design
170–179	Electives
180–181	Required Courses

Education Faculty Roster

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Professors

H. Samy Alim, PhD
Walter R. Allen, PhD *(Allan Murray Cartter Professor of Higher Education)*
Ron Avi Astor, PhD
Alison L. Bailey, EdD
Li Cai, PhD
Mitchell J. Chang, PhD
Christina A. Christie, PhD
Robert Cooper, PhD
Richard Desjardins, PhD
Megan L. Franke, PhD
Inmaculada M. García-Sánchez, PhD
Kimberley Gomez, PhD
Louis M. Gomez, PhD
Sandra H. Graham, PhD *(Presidential Professor of Education and Diversity)*
Tyrone C. Howard, PhD *(Pritzker Family Endowed Professor of Education to Strengthen Families)*
Sylvia Hurtado, PhD
Minjeong Jeon, PhD
Connie L. Kasari, PhD
Catherine Lord, PhD, *in Residence*
José-Felipe Martinez, PhD
Teresa L. McCarty, PhD *(George F. Kneller Professor of Education and Anthropology)*
Rashmita S. Mistry, PhD
Safiya U. Noble, PhD *(David O. Sears Presidential Endowed Professor of Social Sciences)*
Edith Mukudi Omwami, PhD
Marjorie Faulstich Orellana, PhD

Cecilia Rios-Aguilar, PhD
John S. Rogers, PhD
Lucrecia Santibañez, PhD
Linda J. Sax, PhD
Daniel G. Solórzano, Jr., PhD
Eileen L. Strempel, DMA
Robert T. Teranishi, PhD
Carlos A. Torres, PhD
Jeffrey J. Wood, PhD
Laura Wray-Lake, PhD

Professors Emeriti

Marvin C. Alkin, EdD
Eva L. Baker, EdD
Gordon L. Berry, EdD
Nicholas G. Blurton Jones, PhD
Sol Cohen, PhD
Aimée Dorr, PhD
Frederick D. Erickson, PhD *(George F. Kneller Professor Emeritus of Education and Anthropology)*
Patricia C. Gándara, PhD
Sandra Harding, PhD
Charles C. Healy, PhD
Carollee Howes, PhD
Douglas M. Kellner, PhD *(George F. Kneller Professor Emeritus of Education and Philosophy)*
Marilyn L. Kourilsky, PhD
Patricia M. McDonough, PhD
Peter L. McLaren, PhD
Bengt Muthén, PhD
Pedro A. Noguera, PhD
Gary A. Orfield, PhD
W. James Popham, EdD
Val D. Rust, PhD
William A. Sandoval, PhD
Michael H. Seltzer, PhD
Carola E. Suárez-Orozco, PhD
Marcelo M. Suárez-Orozco, PhD
Concepción M. Valadez, PhD
Noreen M. Webb, PhD
Carl Weinberg, EdD
Wellford W. Wilms, PhD
Charles Z. Wilson, PhD

Associate Professors

Eddie R. Cole, PhD
M. Kevin Eagan, Jr., PhD
David G. García, PhD
Jennie K. Grammer, PhD
Jessica C. Harris, PhD
Ozan Jaquette, PhD
Ananda Drake Marin, PhD
Anna J. Markowitz, PhD
Federica Raia, PhD

Assistant Professors

Nicole B. Barry, PhD
Christopher C. Jadallah, PhD
Nicole A. Mancevice, PhD, *in Residence*
Julissa O. Muñiz, PhD
Cinthya Salazar, PhD

Lecturers

Rebecca L. Alber, EdD
Melissa Sachi Arias, MEd
Joanne (Jaye) T. Darby, PhD
Minnie Ferguson, MA
Jo Ann Isken, MA
Sara E. Kersey, PhD
Jane Whang Kim, EdD
Cindy C. Kratzer, PhD
Darlene O. Lee, MEd
Elsa (Dee Dee) Lonon, MEd
Eduardo F. Lopez, PhD
Imelda Nava-Landeros, PhD
Jaime Jisun Park, PhD
Jeffrey Share, PhD

Adjunct Professors

Gregory K. Chung, PhD
Diane Durkin, PhD
Faye C. Peitzman, PhD
Karen Hunter Quartz, PhD
Jia Wang, PhD

Adjunct Associate Professors

Mark P. Hansen, PhD
Kristen L. Rohanna, PhD

Adjunct Assistant Professor

Kathleen J. Lehman, PhD

Major

Education and Social Transformation BA

College / School

School of Education and Information Studies

Department

Education

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Understanding of the multiple facets of the educational landscape in social, cultural, and historical contexts
2. Understanding of the science of human development and learning in educational settings
3. Ability to interpret social data and research and to critically evaluate research studies
4. Ability to engage respectfully with community partners
5. Ability to imagine, design, and implement solutions to specific problems in education, including communication skills required in knowledge-intensive work settings, and in engaging with multiple audiences

Entry to the Major

Pre-Major

Students entering UCLA directly from high school can select the Education and Social Transformation pre-major on the UCLA admission application. Transfer students may also select the pre-major. See Transfer Students for details.

Continuing students who were not admitted directly to the pre-major may apply for admission if they are able to complete the preparation for the major by the end of their second year to apply by the fall of their third year.

Admission

Students must submit an application to declare the Education and Social Transformation major. Admission is based on academic performance in preparation for the major courses and overall academic record at UCLA. The application is available on the major website.

First-Year Students

After completing the required lower-division courses and 45 lower-division units, students identified as Education and Social Transformation pre-majors may formally apply to declare the major.

Transfer Students

Transfer applicants to the Education and Social Transformation major with 90 or more units are considered for admission based on academic achievement. Transfer credit is subject to department approval. Consult an undergraduate counselor before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Transfer students who were not admitted directly to the Education and Social Transformation pre-major may apply for admission if they are able to complete the preparation for the major by the end of their second quarter at UCLA.

Major Requirements

Preparation for the Major

Complete two courses as follows:

EDUC 35 - Introduction to Inquiry and Research in Education

Additional Education Course

Select one course from:

EDUC 10 - Introduction to Educational Issues and Scholarship

EDUC 11 - Education, Equality, and Future of American Society: Problems, Prospects, and Policies

The Major

Complete at least ten upper-division courses distributed as follows:

Areas of Competency

Select courses from each of the three areas of competency as follows:

HISTORIES AND PHILOSOPHIES OF EDUCATION

Complete Education 100 and at least one additional course from Education 101 through 119.

Education 100

Complete the following course:

EDUC 100 - Foundations: Histories and Philosophies of Education

Education 101 through 119

Select at least one additional course from Education 101 through 119:

Select at least one additional course from Education 101 through 119:

CONTEXTS OF TEACHING, LEARNING, AND DEVELOPMENT

Complete Education 120 and at least one additional course from Education 121 through 149.

Education 120

Complete the following course:

EDUC 120 - Foundations: Contexts for Teaching, Learning, and Development

Education 121 through 149

Select at least one additional course from Education 121 through 149:

Select at least one additional course from Education 121 through 149:

INQUIRY AND DESIGN FOR LEARNING

Complete Education 150, 156, and at least one additional course from Education 151 through 155 or Education 157 through 169.

Education 150 and 156

Complete the following two courses:

EDUC 150 - Quantitative Research in Education: Claims and Evidence

EDUC 156 - Introduction to Qualitative Research in Education for Social Transformation

Education 151 through 155 and 157 through 169

Select at least one additional course from Education 151 through 155 or Education 157 through 169:

Select at least one additional course from Education 151 through 155 or Education 157 through 169:

Additional Education Course

Select at least one additional course in education, which may come from any of the areas of competency or from courses designated as electives (Community Engagement and Social Change 130, Education 170 through 179).

COMMUNITY ENGAGEMENT AND SOCIAL CHANGE

CESC 130 - Intercultural Communication in Global Workplace

ELECTIVE EDUCATION COURSES

Education 170 through 179

Education 180

Complete the following course:

EDUC 180 - Orientation to Community Engagement

Community Engagement Course

Select one community engagement course from following list. Some courses may also be applied toward an area of competency. Students must complete Education 180 prior to taking a community engagement course.

EDUC M129XP - Arts Education Undergraduate Practicum and Capstone Project

EDUC 130AX - Instructional Apprenticeship in Teaching and Learning at UCLA Lab School

EDUC 130BX - Instructional Apprenticeship in Teaching and Learning at UCLA Partner Schools

EDUC 130CX - Instructional Apprenticeship in Teaching and Learning at UCLA Community Schools

EDUC M131A - Language, Literacy, and Human Development Research Group Seminars

EDUC M131B - Culture, Gender, and Human Development Research Group Seminars

EDUC M131C - Culture, Communications, and Human Development Research Group Seminars

EDUC M142 - Introduction to Arts Education for Multiple Publics: Theory and Practice

EDUC 144XP - Pedagogies of Global Citizenship Education

EDUC 159 - Educational Research and Equity in Informal Learning: Collaboration between Hammer Museum and UCLA Education

EDUC 171 - Community Service Learning for Academic Achievement

EDUC 176 - Transformative Research in Community-Based Settings: Practicum

EDUC 195 - Community Internships in Education

EDUC 195CE - Community or Corporate Internships in Education

EDUC 196XP - Community-Engaged Research Apprenticeship

Capstone Course

Students must complete six out of seven courses from the areas of competency and complete the community engagement course requirement before enrolling in the capstone course.

EDUC 181 - Capstone in Education and Social Transformation

Policies

Preparation for the Major Policies

Preparation for the major courses must be completed with a C grade or better.

The Major Policies

Each course must be taken for a letter grade and be a minimum of 4 units. Students must have a grade-point average of 2.0 or better in upper-division education courses.

Minor

Education Studies Minor

College / School
School of Education and Information Studies

Department
Education

Level

Undergraduate

Overview

The Education Studies minor is intended to address the diverse information needs of the UCLA undergraduate community to allow students to learn more about the multitude of contemporary professional research issues confronting the field of education, understand the complex interactions between the legal, social, political, and economic forces that influence and shape educational policies in America, provide an introduction for students who wish eventually to pursue careers in education either as teachers or researchers.

Entry to the Minor

Admission

To enter the minor, students must have at least sophomore standing with a cumulative grade-point average of 2.3 or better, have completed one education course with a grade of C or better, and submit the minor application. Applicants are expected to be committed to inquiry of issues central to educational research and practice. Students must follow the program of study in effect at the time of their admission.

Students may apply for admission once they have completed one approved Education course. Students must apply by the spring quarter of their third year.

Minor Requirements

The Minor

Required Courses (28 units minimum)

Complete any seven education courses (minimum of 4 units each), one of which may be a lower-division course.

Policies

The Minor Policies

A maximum of 8 graded units of Education 195 through 199 may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and be a minimum of 4 units. Students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated

on the transcript and diploma.

Minor

Information and Media Literacy Minor

College / School
School of Education and Information Studies

Department
Information Studies

Level

Undergraduate

Overview

The Information and Media Literacy minor is designed for students who wish to augment their major program with a group of related courses that provide a systematic, focused, and critical introduction to information and media literacies. The core courses together with electives provide students with an understanding of the processes, dynamics, and societal implications of the production and dissemination of information and media and skills for their judicious evaluation, consumption, and productive use.

Entry to the Minor

Admission

To enter the minor, students must have a cumulative grade-point average of 2.3 or better, have completed one required lower-division or upper-division course with a grade of B or better, and submit the minor application. Applications are available on the minor website.

Minor Requirements

The Minor

Required Lower-Division Core Courses (10 units)

Select two courses from:

- INF STD 10 - Information and Power
- INF STD 20 - Digital Cultures and Societies
- INF STD 30 - Internet and Society

Required Upper-Division Core Courses (8 units)

Complete the following two courses. Education M121 is multiple-listed with Information Studies M121.

- EDUC M121 - Introduction to Media Literacies
- INF STD C115 - Introduction to Information Literacies
- INF STD M121 - Introduction to Media Literacies

Upper-Division Elective Courses (12-15 units)

Select three courses from:

EDUC 105C - Comparative Educational Policies and Practices

EDUC 107A - Race, Class, and Education Inequality in U.S.

EDUC 109A - Globalization and Learning

EDUC 109B - Global Citizenship Education

EDUC 126 - Language, Literacy, and Academic Development: Educational Considerations for School-Age Multilingual and English Language Learner Students

EDUC M131C - Culture, Communications, and Human Development Research Group Seminars

EDUC 133 - Literacy in Society

EDUC M135 - Environmental Justice through Lens of Media and Education

EDUC M137 - Critical Digital Media Literacies

EDUC 144 - Pedagogies of Global Citizenship Education

EDUC CM178 - Critical Media Literacy and Politics of Gender: Theory and Production

INF STD 118 - Data and Ethics in Society

INF STD M135 - Environmental Justice through Lens of Media and Education

INF STD M137 - Critical Digital Media Literacies

INF STD 180 - Special Topics in Information Studies

INF STD 199 - Directed Research in Information Studies

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and be a minimum of 4 units. Students must have a cumulative grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Doctor of Education

College / School

School of Education and Information Studies

Department

Education

Degree Level

Graduate

Degree Objective

Doctor of Education

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0501 - Juris Doctor

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Major

Education MA, PhD

College / School

School of Education and Information Studies

Department

Education

Degree Level

Graduate

Degree Objective

Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0501 - Juris Doctor

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Articulated Degree Programs

0558 - Doctor of Medicine

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Major

Master of Education

College / School

School of Education and Information Studies

Department

Education

Degree Level

Graduate

Degree Objective

Master of Education

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0501 - Juris Doctor

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Articulated Degree Programs

0498 - Latin American Studies MA

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Major

Special Education PhD

College / School

School of Education and Information Studies

Department

Education

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Overview

The Department of Education offers a Doctor of Philosophy (PhD) degree in Special Education jointly with California State University, Los Angeles.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Electrical and Computer Engineering Overview

You're now viewing the 2024-25 Catalog

Henry Samueli School of Engineering and Applied Science

56-125B Engineering IV
Box 951594
Los Angeles, CA 90095-1594

Electrical and Computer Engineering
310-825-2647
Department e-mail

C.-K. Ken Yang, PhD, ***Chair***
Danijela Cabric, PhD, ***Vice Chair, Undergraduate Affairs***
Subramanian S. Iyer, PhD, ***Vice Chair, Industry Relations***
Mani B. Srivastava, PhD, ***Vice Chair, Computer Engineering***
Lieven Vandenberghe, PhD, ***Vice Chair, Graduate Affairs***

Electrical and computer engineers are responsible for inventions that have revolutionized our society, such as the electrical grid, telecommunications, and automated computing and control. The profession continues to make vital contributions in many domains, such as the infusion of information technology into all aspects of daily life. To further these ends, the Department of Electrical and Computer Engineering fosters a dynamic academic environment that is committed to a tradition of excellence in teaching, research, and service. It has state-of-the-art research programs and facilities in a variety of fields. Departmental faculty members are engaged in research efforts across several disciplines in order to serve the needs of industry, government, society, and the scientific community. Interactions with other disciplines are strong. Faculty members regularly conduct collaborative research projects with colleagues in the

College of Letters and Science, Geffen School of Medicine, School of Education and Information Studies, and School of Theater, Film, and Television.

Research

The primary areas in the department are circuits and embedded systems, computer engineering, physical and wave electronics, and signals and systems. These areas cover a broad spectrum of specialization, for example, communications and telecommunications, computer vision, control systems, cybersecurity, electromagnetics, embedded computer networking, embedded computing systems, engineering optimization, integrated circuits and systems, machine learning, microelectromechanical systems (MEMS), nanotechnology, photonics and optoelectronics, plasma electronics, signal processing, and solid-state electronics.

Electrical and Computer Engineering Faculty Roster

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Professors

Asad A. Abidi, PhD
Elaheh Ahmadi, PhD
Abeer A.H. Alwan, PhD
Katsushi Arisaka, PhD
Corey W. Arnold, PhD
Aydin Babakhani, PhD
Danijela Cabric, PhD
Robert N. Candler, PhD
M.-C. Frank Chang, PhD *(Wintek Endowed Professor of Electrical Engineering)*
Panagiotis D. Christofides, PhD *(William D. Van Vorst Professor of Chemical Engineering Education)*
Jingsheng Jason Cong, PhD *(Volgenau Professor of Engineering Excellence)*
Suhas N. Diggavi, PhD
Lara Dolecek, PhD
Christina P. Fragouli, PhD
Bahman Gharesifard, PhD
Puneet Gupta, PhD
Lei He, PhD
Subramanian S. Iyer, PhD *(Charles P. Reames Endowed Professor of Electrical Engineering)*
Mona Jarrahi, PhD *(Northrop Grumman Professor of Electrical Engineering)*
Chandrashekhar J. Joshi, PhD
Douglas G. Lichtman, JD

Jia-Ming Liu, PhD *(Northrop Grumman Opto-Electronic Professor of Electrical Engineering)*
Wentai Liu, PhD
Dejan Markovic, PhD
Warren B. Mori, PhD
Ali Mosleh, PhD *(Evalyn Knight Professor of Engineering)*
Stanley J. Osher, PhD
Aydogan Ozcan, PhD
Sudhakar Pamarti, PhD
Yahya Rahmat-Samii, PhD *(Northrop Grumman Professor of Electrical Engineering/Electromagnetics)*
Behzad Razavi, PhD
Vwani P. Roychowdhury, PhD
Henry Samueli, PhD
Majid Sarrafzadeh, PhD
Stefano Soatto, PhD
Jason L. Speyer, PhD
Mani B. Srivastava, PhD
Paulo Tabuada, PhD *(Vijay K. Dhir Professor of Engineering)*
Lieven Vandenberghe, PhD
John D. Villasenor, PhD
Kang L. Wang, PhD *(Raytheon Company Professor of Electrical Engineering)*
Yuanxun Ethan Wang, PhD
Richard D. Wesel, PhD
Benjamin S. Williams, PhD
Chee Wei Wong, PhD *(Carol and Lawrence E. Tannas, Jr., Endowed Term Professor of Engineering)*
Jason C.S. Woo, PhD
C.-K. Ken Yang, PhD
Lixia Zhang, PhD *(Jonathan B. Postel Professor of Computer Systems)*

Professors Emeriti

Frederick G. Allen, PhD
Francis F. Chen, PhD
Babak Daneshrad, PhD
Harold R. Fetterman, PhD
Stephen E. Jacobsen, PhD
Rajeev Jain, PhD
Bahram Jalali, PhD *(Fang Lu Endowed Professor Emeritus of Engineering)*
William J. Kaiser, PhD
Alan J. Laub, PhD
Dee-Son Pan, PhD

Gregory J. Pottie, PhD
Izhak Rubin, PhD
Ali H. Sayed, PhD
Gabor C. Temes, PhD
Mihaela van der Schaar, PhD
Alan N. Willson, Jr., PhD *(Charles P. Reames Endowed Professor Emeritus of Electrical Engineering)*
Kung Yao, PhD

Associate Professors

Xiang Anthony Chen, PhD
Sam Emaminejad, PhD
Alyson K. Fletcher, PhD
Achuta Kadambi, PhD
Jonathan C. Kao, PhD
Ankur M. Mehta, PhD
Prineha Narang, PhD *(Howard Reiss Career Development Professor)*

Assistant Professors

Omid Abari, PhD
Sergio Carbajo, PhD
Xiaofan Cui, PhD
Liz Izhikevich, PhD
Di Luo, PhD
Ian P. Roberts, PhD
Nader Sehatbakhsh, PhD
Yuan Tian, PhD
Lin F. Yang, PhD
Yang Zhang, PhD
Leo Zhou, PhD

Lecturers

Dennis M. Briggs
Hooman Darabi, PhD
Flavio Lorenzelli
Farid Mesghali, PhD

Marko Sokolich, PhD

Dana Cairns Watson, PhD

Adjunct Professors

Young-Kai Chen, PhD

Dariush Divsalar, PhD

Dan M. Goebel, PhD

Mark Gyure, PhD

Asad M. Madni, PhD

Yair Rivenson, PhD

Eli Yablonovitch, PhD

Adjunct Associate Professor

Chi On Chui, PhD

Adjunct Assistant Professor

Shervin Moloudi, PhD

Major

Computer Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Electrical and Computer Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The undergraduate curriculum provides all computer engineering students with preparation in the mathematical and scientific disciplines that lead to a set of courses that span the fundamentals of the discipline in the major areas of data science and embedded networked systems. These collectively

provide an understanding of many inventions of importance to our society, such as the Internet of Things, human-cyber-physical systems, mobile/wearable/implantable systems, robotic systems, and more generally smart systems at all scales in diverse spheres. The design of hardware, software, and algorithmic elements of such systems represents an already dominant and rapidly growing part of the computer engineering profession. Students are encouraged to make use of their computer science and electrical and computer engineering electives and a two-quarter capstone design course to pursue deeper knowledge within one of these areas according to their interests, whether for graduate study or preparation for employment.

Capstone Major

The Computer Engineering major is a designated capstone major that is jointly administered by the Computer Science, and Electrical and Computer Engineering, departments. Undergraduate students complete a design course in which they integrate their knowledge of the discipline and engage in creative design within realistic and professional constraints. Students apply their knowledge and expertise gained in previous mathematics, science, and engineering coursework. Students identify, formulate, and solve engineering problems and present their projects to the class.

Learning Outcomes

1. Application of mathematical, scientific, and engineering knowledge

2. Design of a software or hardware system, component, or process to meet desired needs within realistic economic, environmental, social, ethical, health, safety, security, reliability, manufacturability, and sustainability constraints

3. Function productively on a team with others

4. Identification, formulation, and solution of computer engineering problems

5. Effective communication

Major Requirements

Preparation for the Major

Complete 20 courses as follows:

- COM SCI 31 - Introduction to Computer Science I
- COM SCI 32 - Introduction to Computer Science II
- COM SCI 33 - Introduction to Computer Organization
- COM SCI 35L - Software Construction
- COM SCI M51A - Logic Design of Digital Systems
- EC ENGR 3 - Introduction to Electrical Engineering
- EC ENGR M16 - Logic Design of Digital Systems
- ENGR 1IT - Introduction to Engineering Design: Internet of Things
- MATH 31A - Differential and Integral Calculus
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations
- MATH 61 - Introduction to Discrete Structures

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

Computer Science 1 or Electrical and Computer Engineering 1

Select one course from:

COM SCI 1 - Freshman Computer Science Seminar

EC ENGR 1 - Undergraduate Seminar

Physics 4AL or 4BL

Select one course from:

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

The Major

Computer Science

Complete five courses as follows:

COM SCI 111 - Operating Systems Principles

COM SCI 180 - Introduction to Algorithms and Complexity

COMPUTER SCIENCE 118 OR ELECTRICAL AND COMPUTER ENGINEERING 132B

Select one course from:

COM SCI 118 - Computer Network Fundamentals

EC ENGR 132B - Data Communications and Telecommunication Networks

COMPUTER SCIENCE M151B OR ELECTRICAL AND COMPUTER ENGINEERING M116C

Select one course from:

COM SCI M151B - Computer Systems Architecture

EC ENGR M116C - Computer Systems Architecture

COMPUTER SCIENCE M152A OR ELECTRICAL AND COMPUTER ENGINEERING M116L

Select one course from:

COM SCI M152A - Introductory Digital Design Laboratory

EC ENGR M116L - Introductory Digital Design Laboratory

Electrical and Computer Engineering

Complete the following four courses:

EC ENGR 100 - Electrical and Electronic Circuits

EC ENGR 102 - Systems and Signals

EC ENGR 113 - Digital Signal Processing

EC ENGR 115C - Digital Electronic Circuits

Probability

Select one course from:

C&EE 110 - Introduction to Probability and Statistics for Engineers

EC ENGR 131A - Probability and Statistics

MATH 170A - Probability Theory I

MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

Electives

Complete 8 units of computer science and 8 units of electrical and computer engineering upper-division electives.

Technical Breadth

Complete three technical breadth courses (12 units) from an approved list available in the Office of Academic and Student Affairs

Capstone Design

Complete eight units from one of the following groups:

SYSTEMS DESIGN

EC ENGR 180DA - Systems Design

EC ENGR 180DW - Systems Design

DESIGN OF ROBOTIC SYSTEMS

EC ENGR 183DA - Design of Robotic Systems I

EC ENGR 183DB - Design of Robotic Systems II

Policies

The Major Policies

An approved list of technical breadth courses is available in the **Office of Academic and Student Affairs.**

For information on UC, school, and general education requirements, see the Samueli school section in College and Schools.

Major

Electrical Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Electrical and Computer Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The undergraduate curriculum provides all Electrical Engineering majors with preparation in the mathematical and scientific disciplines that lead to a set of courses that span the fundamentals of the three major departmental areas of signals and systems, circuits and embedded systems, and physical

wave electronics. These collectively provide an understanding of inventions of importance to society, such as integrated circuits, embedded systems, photonic devices, automatic computation and control, and telecommunication devices and systems.

Students are encouraged to make use of their electrical engineering electives and a two-term capstone design course to pursue deeper knowledge within one of these areas according to their interests, whether for graduate study or preparation for employment. See the department website for examples of specializations.

The Electrical Engineering major is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Electrical Engineering major is a designated capstone major. Undergraduate students complete a design course in which they integrate their knowledge of the discipline and engage in creative design within realistic and professional constraints. Students apply their knowledge and expertise gained in previous mathematics, science, and engineering coursework. Within a multidisciplinary team structure, students identify, formulate, and solve engineering problems and present their projects to the class.

Learning Outcomes

1. Application of knowledge of mathematics, science, and engineering
2. Design of a system, component, or process to meet desired needs within realistic constraints
3. Function as a productive member of a multidisciplinary team

4. Effective communication

5. Identification, formulation, and solution of electrical engineering problems

Major Requirements

Preparation for the Major

Complete 19 courses as follows:

CHEM 20A - Chemical Structure

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

EC ENGR 2 - Physics for Electrical Engineers

EC ENGR 3 - Introduction to Electrical Engineering

EC ENGR 10 - Circuit Theory I

EC ENGR 11L - Circuits Laboratory I

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Computer Science M51A or Electrical and Computer Engineering M16

Select one course from:

COM SCI M51A - Logic Design of Digital Systems

EC ENGR M16 - Logic Design of Digital Systems

The Major

Complete six required courses, six core courses, three technical breadth courses, 12 units of upper-division electrical and computer engineering courses, and one two-term capstone design as follows:

EC ENGR 101A - Engineering Electromagnetics

EC ENGR 102 - Systems and Signals

EC ENGR 110 - Circuit Theory II

EC ENGR 111L - Circuits Laboratory II

EC ENGR 113 - Digital Signal Processing

EC ENGR 131A - Probability and Statistics

Core

Select six core courses from:

COM SCI 33 - Introduction to Computer Organization

EC ENGR 101B - Electromagnetic Waves

EC ENGR 115A - Analog Electronic Circuits I

EC ENGR 121B - Principles of Semiconductor Device Design

EC ENGR 132A - Introduction to Communication Systems

EC ENGR 133A - Applied Numerical Computing

EC ENGR 141 - Principles of Feedback Control

EC ENGR 170A - Principles of Photonics

Technical Breadth

Complete three technical breadth courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

Upper-Division Electrical and Computer Engineering Electives

Complete twelve units of major field elective courses, at least 8 of which must be upper-division electrical and computer engineering courses—the remaining 4 units may be from upper-division electrical and computer engineering courses or from another engineering school department.

Capstone Design

Complete one two-term electrical and computer engineering capstone design course (8 units).

Policies

The Major Policies

An approved list of technical breadth courses is available in the **Office of Academic and Student Affairs**.

Electrical and Computer Engineering 100 and CM182 may not satisfy elective credit.

For information on UC, school, and general education requirements, see the **Samueli school** section in College and Schools.

Minor

Data Science Engineering Minor

College / School

Henry Samueli School of Engineering and Applied Science

Department

Electrical and Computer Engineering

Level

Undergraduate

Overview

The minor is intended to expose students to the entire data science life cycle from both foundational and application perspectives. The foundational courses provide the engineering skills to collect, cleanse, and store data; analyze and draw inference from data; and take action and make decisions. A wide-ranging list of interdisciplinary courses focuses on various data-science applications using these skills.

Entry to the Minor

Admission

To apply for the minor, students must have an overall grade-point average of 3.0 or better, have completed or be in the process of completing in the present quarter the two lower-division required courses with the grade B- or better, and file a petition through Message Center. Steps to apply are outlined on the Office of Academic and Student Affairs website. Information about the minor and the application are available on the minor website.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete the following two courses:

- COM SCI 32 - Introduction to Computer Science II
- MATH 33A - Linear Algebra and Applications

Required Upper-Division Courses (12 units minimum)

Complete three courses as follows:

PROBABILITY

Select one course from:

- C&EE 110 - Introduction to Probability and Statistics for Engineers
- EC ENGR 131A - Probability and Statistics
- MATH 170A - Probability Theory I
- MATH 170E - Introduction to Probability and Statistics 1: Probability

STATS 100A - Introduction to Probability

DATA SCIENCE

Select one course from:

COM SCI M148 - Introduction to Data Science

EC ENGR M148 - Introduction to Data Science

DATA MINING OR MACHINE LEARNING

Select one course from:

COM SCI 145 - Introduction to Data Mining

COM SCI M146 - Introduction to Machine Learning

EC ENGR M146 - Introduction to Machine Learning

Elective Upper-Division Courses (8 units minimum)

Select two courses from following list. Electrical and Computer Engineering 183DA and 183DB must both be taken to satisfy requirement. Courses used to satisfied the required upper-division courses may not be used to satisfy the elective courses.

COM SCI M119 - Fundamentals of Embedded Networked Systems

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

COM SCI 143 - Data Management Systems

COM SCI 145 - Introduction to Data Mining

COM SCI M146 - Introduction to Machine Learning

COM SCI 161 - Fundamentals of Artificial Intelligence

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI M182 - Dynamic Biosystem Modeling and Simulation Methodology

EC ENGR 102 - Systems and Signals

EC ENGR 113 - Digital Signal Processing

EC ENGR 114 - Speech and Image Processing Systems Design

EC ENGR M119 - Fundamentals of Embedded Networked Systems

EC ENGR 133A - Applied Numerical Computing

EC ENGR M146 - Introduction to Machine Learning

EC ENGR C147 - Neural Networks and Deep Learning

EC ENGR 183DA - Design of Robotic Systems I

EC ENGR 183DB - Design of Robotic Systems II

MECH&AE C137 - Design and Analysis of Smart Grids

MECH&AE 185 - Introduction to Radio Frequency Identification and Its Application in Manufacturing and Supply Chain

STATS 100B - Introduction to Mathematical Statistics

STATS 115 - Probabilistic Decision Making

STATS 170 - Introduction to Time-Series Analysis

STATS C180 - Introduction to Bayesian Statistics

Policies

The Minor Policies

Variable topics courses may be taken as topics apply.

Transfer credit for any of the above is subject to approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and student must have a minimum grade of C in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is

indicated on the transcript and diploma.

Major

Electrical and Computer Engineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Electrical and Computer Engineering

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Overview

The graduate program provides students with an opportunity to pursue advanced coursework, in-depth training, and research investigations in several fields.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Emergency Medicine Overview

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David Geffen School of Medicine

924 Westwood Boulevard, Suite 300
Box 951777
Los Angeles, CA 90095-1777

Emergency Medicine
310-794-0578

Gregory W. Hendey, MD, *Chair*

The Department of Emergency Medicine focuses on the teaching and management of diagnosis and treatment of unforeseen illness or injury. The practice of emergency medicine includes the initial evaluation, diagnosis, treatment, coordination of care among multiple providers, and disposition of any patient requiring expeditious medical, surgical, or psychiatric care. A three- or four-week subinternship rotation is offered to fourth-year medical students. The length of training in the residency program is four years.

For details on the Department of Emergency Medicine and courses offered, see the **department website**.

Emergency Medicine **faculty information** is available from the department.

Engineering Schoolwide Programs Overview

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Henry Samueli School of Engineering and Applied Science

6426 Boelter Hall
Box 951601
Los Angeles, CA 90095-1601

Engineering Schoolwide Programs
310-825-9580

The Henry Samueli School of Engineering and Applied Science offers several schoolwide graduate degree programs.

Graduate Study

The Samueli School offers the Master of Engineering (MEngr) degree (through the Engineering Executive Program), Master of Science (MS) online degree in Engineering, and Engineer (Engr) degree as schoolwide degrees. The following area-specific online degrees have also been established: master of science (MS) in Engineering–Aerospace, MS in Engineering–Computer Networking, MS in Engineering–Electrical, MS in Engineering–Electronic Materials, MS in Engineering–Integrated Circuits, MS in Engineering–Manufacturing and Design, MS in Engineering–Materials Science, MS in Engineering–Mechanical, MS in Engineering–Signal Processing and Communication, and MS in Engineering–Structural Materials.

Major

Engineer

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Engineer

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Aerospace MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Computer Networking MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Electrical MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Electronic Materials MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Integrated Circuits MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Manufacturing and Design MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Materials Science MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Mechanical MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Signal Processing and Communications MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering – Structural Materials MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Engineering MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Engineering

College / School

Henry Samueli School of Engineering and Applied Science

Department

Engineering Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Engineering

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

English Overview

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College of Letters and Science

149 Kaplan Hall
Box 951530
Los Angeles, CA 90095-1530

English
310-825-4173
Department e-mail

Saree Makdisi, PhD, *Chair*

The Department of English is dedicated to the study of the literatures and cultures of those parts of the world in which English is a primary language. Although committed to no single method or approach, the department requires a knowledge of British, American, and Anglophone literary history and an engagement with a range of methodological approaches that foster intellectual curiosity and critical thinking and encourage its students to be not only expert readers and writers but engaged and ethical citizens.

An understanding and appreciation of literature can furnish lifelong rewards. In addition to offering students such personal benefits, the department seeks to foster critical analysis and lucid writing and to teach them to think about how language and representation function in the world. Such skills are essential to success in a variety of professions for which the major in English can provide excellent preparation, including law, administration, business, teaching, media, and entertainment.

Undergraduate Study

The department offers Bachelor of Arts (BA) degrees in English and in American Literature and Culture. When selecting courses to fulfill requirements for the majors, students are expected to choose those courses that best reflect their own interests and simultaneously contribute toward a coherent program in literary studies.

Undergraduate Policies

Students must have completed the Entry-Level Writing requirement before taking any courses in English (other than English Composition 1 or 2). For more information regarding **Entry-Level Writing**, see Undergraduate Study.

Graduate Study

A graduate program leading to the Master of Arts (MA) degree is available for students who wish to continue the study of literature at an advanced level. A parallel program continues to the PhD degree. Because the PhD program may require five years or more, it is intended only for qualified students who are seriously committed to advanced literary scholarship and, in some cases, to a career in college or university teaching.

English Faculty Roster

You're now viewing the 2024-25 Catalog

Professors

Blake Allmendinger, PhD
Ali Behdad, PhD *(John Charles Hillis Professor of Literature)*
Adam F. Bradley, PhD
Joseph E. Bristow, PhD
Christine N. Chism, PhD
Michael J. Colacurcio, PhD
Frederick M. D'Aguiar, BA
Elizabeth M. DeLoughrey, PhD
Helen E. Deutsch, PhD
Barbara Fuchs, PhD
Alicia Gaspar de Alba, PhD
Yogita Goyal, PhD
Jonathan H. Grossman, PhD
Ursula K. Heise, PhD *(Marcia H. Howard Term Professor of Literary Studies)*
Mitchum A. Huehls, PhD
Eric Jager, PhD
Eleanor K. Kaufman, PhD
Rachel C. Lee, PhD
Christopher J. Looby, PhD
Marissa K. López, PhD
Saree Makdisi, PhD
Claire E. McEachern, PhD
Kathleen A. McHugh, PhD
Harryette R. Mullen, PhD
Anahid J. Nersessian, PhD

Rafael Pérez-Torres, PhD

Michael P. Rothberg, PhD *(1939 Society Samuel Goetz Professor of Holocaust Studies)*

Mark I. Seltzer, PhD *(Evan Frankel Endowed Professor of English)*

Jennifer A. Sharpe, PhD

Debora K. Shuger, PhD

Mona E. Simpson, MFA

Brian K. Stefans, MFA

Alexandra Minna Stern, PhD

Robert N. Watson, PhD

Professors Emeriti

Charles L. Batten, Jr., PhD

Calvin B. Bedient, PhD

Albert R. Braunmuller, PhD

King-Kok Cheung, PhD

Patrick K. Ford, PhD

Lowell Gallagher, PhD

James E. Goodwin, PhD

Christopher W. Grose, PhD

George R. Guffey, PhD

N. Katherine Hayles, PhD *(John Charles Hillis Professor Emerita of Literature)*

Henry Ansgar Kelly, PhD

Gordon L. Kipling, PhD

Richard A. Lanham, PhD

Kenneth R. Lincoln, PhD

Jinqi Ling, PhD

Robert M. Maniquis, PhD

Anne K. Mellor, PhD

Joseph F. Nagy, PhD

Michael A. North, PhD

Maximillian E. Novak, DPhil, PhD

Felicity A. Nussbaum, PhD

Raymund A. Paredes, PhD

Jonathan F.S. Post, PhD

Kenneth Reinhard, PhD

George S. Rousseau, PhD

Karen E. Rowe, PhD

Paul D. Sheats, PhD

Donka Minkova Stockwell, PhD

Eric J. Sundquist, PhD *(UCLA Foundation Professor Emeritus)*

Richard A. Yarborough, PhD

Stephen I. Yenser, PhD

Associate Professors

Michael C. Cohen, PhD
Matthew N. Fisher, PhD
Louise E. Hornby, PhD
Carrie L. Hyde, PhD
Sarah T. Kareem, PhD
Arthur L. Little, Jr., PhD
Uri G. McMillan, PhD
David J. Russell, PhD
Cristobal S. Silva, PhD
Caroline A. Streeter, PhD
Arvind Thomas, PhD
Justin J. Torres, MFA

Assistant Professors

Rebecca E. Foote, PhD
Summer Kim Lee, PhD
Alexander M. Mazzaferro, PhD
Ho'esta Mo'e'hahne, PhD
Daniel S. Snelson, PhD
Cass Turner, PhD
Xuan Juliana Wang, MFA
Erica M. Weaver, PhD

Senior Lecturers SOE

Stephen J. Dickey, PhD, *Emeritus*
David Stuart Rodes, PhD, *Emeritus*

Senior Lecturers

Karen J. Cunningham, PhD, *Emerita*
Christopher M. Mott, PhD

Lecturers

Joseph A. Dimuro, PhD
Michelle R. Huneven, MFA
Colleen M. Jaurretche, PhD
Megan A. Stephan, DPhil
Reed D. Wilson, PhD

Adjunct Associate Professor

Jeffrey L. Decker, PhD

Major

American Literature and Culture BA

College / School
College of Letters and Science

Department
English

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Students are expected to meet with the undergraduate counselors and undergraduate faculty adviser to plan and follow a course of study that incorporates their interests and goals with the fulfillment of

requirements for the degree.

Capstone Program

The American Literature and Culture major is a designated capstone program. Students have the option of completing a capstone seminar or other culminating work that enables them to use knowledge and skills acquired through previous coursework to engage, under the guidance of a faculty member, in literary research or other creative projects that result in a final paper or other product.

Learning Outcomes

1. Proficiency in a broad knowledge/skill set including research methods, critical thinking, and analytical writing
2. Familiarity with basic project material including data from multiple sources
3. Familiarity with relevant scholarly and current debates in the field
4. Conception and execution of an independent project
5. Demonstrated seminar or workshop skills
6. Demonstrated oral and written communication skills
7. Demonstrated defense-of-scholarship skills

Entry to the Major

Transfer Students

Transfer applicants to the American Literature and Culture major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one English composition course, one English critical reading and writing course, and either (1) level five or equivalent in any one foreign language or (2) level three or equivalent in one foreign language and two additional courses in foreign language or literature in translation.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses and a foreign language requirement as follows. English Composition 3 is requisite to any English 4 series course.

English Composition 3

ENGCOMP 3 - English Composition, Rhetoric, and Language

English 4 series

Select one course from:

ENGL 4W - Critical Reading and Writing

ENGL 4HW - Critical Reading and Writing (Honors)

ENGL 4WX - Critical Reading and Writing (Community-Engaged Learning)

English 11

ENGL 11 - Introduction to American Cultures

English 87

ENGL 87 - Topics in American Cultures

Foreign Language

Complete either (1) level five or equivalent in any one foreign language or (2) level three or equivalent in one foreign language and two additional courses in foreign language or literature in translation.

The Major

Complete 10 4- or 5-unit upper-division courses as follows:

American Literature English Courses

Select seven American literature English courses, at least two in the time period before 1848 and two in the time period after 1848, from the following three areas with a minimum of two selected from each area:

ORIGINS—BEGINNINGS, EVENTS, AND TRAJECTORIES: STUDYING THE MAKING OF AMERICA IN ITS MYRIAD BEGINNINGS AND MANIFESTATIONS

Courses

ENGL 100 - Ways of Reading Race

ENGL M102A - Historical Survey of Asian American Literature

ENGL M104A - Early African American Literature

ENGL 166A - Colonial Beginnings of American Literature

ENGL 166B - American Literature, 1776 to 1832

ENGL 166C - American Literature, 1832 to 1865

ENGL 167A - American Poetry to 1900

ENGL 167B - American Fiction to 1900

ENGL 170A - American Literature, 1865 to 1900

Additional Courses when Treating American Topics

The following courses may be selected when treating American topics:

ENGL M101B - Queer Literatures and Cultures, 1850 to 1970

ENGL 106 - Studies in Native American and Indigenous Literatures

ENGL 123 - Theories of History and Historicism

ENGL 131 - Studies in Postcolonial Literatures

ENGL 139 - Individual Authors

ENGL 169 - Topics in Literature, circa 1700 to 1850

IDENTITIES: PLACES, COMMUNITIES, AND ENVIRONMENTS: STUDYING PEOPLE, COLLECTIVES AND MOVEMENTS ACROSS THE DIVERSE GEOGRAPHIES OF THE AMERICAS

Courses

ENGL 100 - Ways of Reading Race

ENGL M102A - Historical Survey of Asian American Literature

ENGL M102B - Contemporary Asian American Literary Issues and Criticism

ENGL M104A - Early African American Literature

ENGL M104B - African American Literature from Harlem Renaissance to 1960s

ENGL M104C - African American Literature of 1960s and 1970s

ENGL M104D - Contemporary African American Literature

ENGL M104E - Topics in African American Literature and Culture

ENGL M105A - Early Chicana/Chicano Literature, 1400 to 1920

ENGL M105B - Chicana/Chicano Literature from Mexican Revolution to el Movimiento, 1920 to 1970s

ENGL M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

ENGL M105D - Introduction to Latina/Latino Literature

ENGL M105E - Studies in Chicana/Chicano and/or Latina/Latino Literature

ENGL 106 - Studies in Native American and Indigenous Literatures

ENGL 115A - American Popular Literature

ENGL 117 - Literature of California and American West

ENGL 135 - Literature of Americas

ENGL 168 - Major American Writers

ENGL 170B - American Literature, 1900 to 1945

ENGL 170C - American Literature since 1945

ENGL 172C - American Drama

ENGL 173A - American Poetry, 1900 to 1945

ENGL 173B - American Poetry since 1945

ENGL 173C - Contemporary American Poetry

ENGL 174A - American Fiction, 1900 to 1945

ENGL 174B - American Fiction since 1945

ENGL 174C - Contemporary American Fiction

ENGL 175 - American Nonfictional Prose

ENGL 176 - Hemispheric American Literature

ENGL 177 - Interdisciplinary Studies of American Culture

Additional Courses when Treating American Topics

The following courses may be selected when treating American topics:

ENGL M101B - Queer Literatures and Cultures, 1850 to 1970

ENGL M101C - Queer Literatures and Cultures after 1970

ENGL M101D - Studies in Queer Literatures and Cultures

ENGL M103 - Studies in Disability Literatures

ENGL M107A - Studies in Women's Writing

ENGL M107B - Studies in Gender and Sexuality

ENGL 108 - Interracial Encounters

ENGL 109 - Topics in Race, Ethnicity, Gender, and Sexuality Studies

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

ENGL 119 - Literary Cities

ENGL 119XP - Literary Cities—Service Learning

ENGL M126 - Feminist and Queer Theory

ENGL 132 - Culture and Imperialism

ENGL 133 - Transatlantic Literatures and Cultures

ENGL 134 - Nationalism and Transnationalism

ENGL 139 - Individual Authors

MEDIA: AESTHETICS, GENRES, AND TECHNOLOGIES

Courses

ENGL 115A - American Popular Literature

ENGL 167A - American Poetry to 1900

ENGL 167B - American Fiction to 1900

ENGL 168 - Major American Writers

ENGL 170A - American Literature, 1865 to 1900

ENGL 170B - American Literature, 1900 to 1945

ENGL 170C - American Literature since 1945

ENGL 172C - American Drama

ENGL 173A - American Poetry, 1900 to 1945

ENGL 173B - American Poetry since 1945

ENGL 173C - Contemporary American Poetry

ENGL 174A - American Fiction, 1900 to 1945

ENGL 174B - American Fiction since 1945

ENGL 174C - Contemporary American Fiction

ENGL 175 - American Nonfictional Prose

ENGL 177 - Interdisciplinary Studies of American Culture

Additional Courses when Treating American Topics

The following courses may be selected when treating American topics:

ENGL 114 - Lyric Histories

ENGL 115C - Literature for Children and Adolescents

ENGL 115D - Detective Fiction

ENGL 115E - Science Fiction

ENGL M115XP - Community-Based Studies of Popular Literature

ENGL 116A - Experimental Fiction

ENGL 116B - Introduction to Electronic Literature

ENGL 121 - Modern and Contemporary Aesthetics and Critical Theory

ENGL 122 - Keywords in Theory

ENGL 123 - Theories of History and Historicism

ENGL 124 - Theories of Religion

ENGL 125 - Violence in Cultural Theory and Literature

ENGL M126 - Feminist and Queer Theory

ENGL 127 - Performance, Media, and Cultural Theory

ENGL 129 - Topics in Genre Studies, Interdisciplinary Studies, and Critical Theory

ENGL 139 - Individual Authors

ENGL 169 - Topics in Literature, circa 1700 to 1850

ENGL 169R - Topics in Literature, circa 1700 to 1850: Research Component

ENGL 179 - Topics in Literature, circa 1850 to Present

ENGL 179R - Topics in Literature, circa 1850 to Present: Research Component

Seminar

Select one course from:

COURSES

ENGL M105XP - Seminar: Chicana/Chicano and/or Latina/Latino Literature—Community-Engaged Learning

ENGL 183A - Topics in Colonial American Literature

ENGL 183B - Topics in 19th-Century American Literature

ENGL 183C - Topics in 20th- and 21st-Century American Literature

ENGL M191A - Topics in African American Literature

ENGL M191B - Topics in Chicana/Chicano and/or Latina/Latino Literature

ENGL M191C - Topics in Asian American Literature

ADDITIONAL COURSES WHEN TREATING AMERICAN TOPICS

The following courses may be selected when treating American topics:

ENGL 180 - Topics in Literature and Language

ENGL 181A - Topics in Genre Studies

ENGL 181B - Topics in Interdisciplinary Studies

ENGL 182E - Topics in 19th-Century Literature

ENGL 182F - Topics in 20th- and 21st-Century Literature

ENGL 184 - Capstone Seminar: English

ENGL M191D - Topics in Queer Literatures and Cultures

ENGL M191E - Topics in Gender and Sexuality

American Culture Courses from Other Departments

Complete two courses pertaining to American culture offered by other departments from a list of approved courses for the major. Courses 195 and 195CE are not applicable.

Honors Program

Students must take one theory course from English 120 through 128 no later than winter quarter of the junior year. In spring quarter of the junior year, students must take course 191H. During fall and winter quarters of the senior year, they take courses 198A and 198B, in which they write a thesis under the direction of a faculty member.

Theory

Select one course from:

English 120 through 128

Honors Research

ENGL 191H - Honors Research Seminars: English

ENGL 198A - Honors Research in English

ENGL 198B - Honors Research in English

Policies

Preparation for the Major Policies

A grade of C or better is required in each of English Composition 3, English 4W or 4HW or 4WX, 11, 87. A foreign literature in translation course list is available under Foreign Literature in Translation. Transfer students who have satisfied the College of Letters and Science foreign language requirement at the high-school level through the Intersegmental General Education Transfer Curriculum (IGETC) program may satisfy the departmental requirement with five foreign literature in translation courses. Courses satisfying the major foreign language requirement may be taken on a Passed/Not Passed (P/NP) grading basis.

The Major Policies

Each course applied toward requirements for the major must be at least 4 units and be taken for a letter grade.

Honors Program

Admission

The honors program is open to majors with a 3.5 departmental and a 3.25 overall grade-point average (GPA). Students with lower GPAs may petition for admission to the program, but these grade-point averages must be achieved before graduation in order to qualify for honors. Students should apply by

winter quarter of the junior year. For application forms and more information, contact the departmental counselor.

Requirements

In most cases, courses required for departmental honors are not eligible to fulfill requirements for the American Literature and Culture major. Potential exceptions should be discussed with a departmental counselor in advance.

The thesis determines whether the student receives highest honors, honors, or no honors.

Major

English BA

College / School
College of Letters and Science

Department
English

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Students pursuing the Bachelor of Arts degree in English are expected to meet with the undergraduate counselors and undergraduate faculty adviser to plan and follow a course of study that incorporates their

interests and goals with the fulfillment of requirements for the degree.

Capstone Program

The English major is a designated capstone program. Students have the option of completing a capstone seminar or other culminating work that enables them to use knowledge and skills acquired through previous coursework to engage, under the guidance of a faculty member, in literary research or other creative projects that result in a final paper or other product.

Learning Outcomes

1. Proficiency in a broad knowledge/skill set including research methods, critical thinking, and analytical writing
2. Familiarity with basic project material including data from multiple sources
3. Familiarity with relevant scholarly and current debates in the field
4. Conception and execution of an independent project
5. Demonstrated seminar or workshop skills
6. Demonstrated oral and written communication skills
7. Demonstrated defense-of-scholarship skills

Entry to the Major

Transfer Students

Transfer applicants to the English major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one English composition course, one English critical reading and writing course, one year of English literature survey courses, and either (1) level five or equivalent in any one foreign language or (2) level three or equivalent in one foreign language and two additional courses in foreign language or literature in translation.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete five courses and a foreign language requirement as follows:

English Composition 3

Complete the following course:

ENGCOMP 3 - English Composition, Rhetoric, and Language

English 4W series

Select one course from:

ENGL 4W - Critical Reading and Writing

ENGL 4HW - Critical Reading and Writing (Honors)

ENGL 4WX - Critical Reading and Writing (Community-Engaged Learning)

English 10 series

Complete the following three courses in the stated sequence (each course is a requisite for the next course):

ENGL 10A - Literatures in English to 1700

ENGL 10B - Literatures in English, 1700 to 1850

ENGL 10C - Literatures in English, 1850 to Present

Foreign Language

Complete either (1) level five or equivalent in any one foreign language or (2) level three or equivalent in one foreign language and two additional courses in foreign language or literature in translation.

The Major

Complete 10 4- or 5-unit upper-division English courses as follows:

(1) Historical Period Courses

Select four historical period courses, one from each of the following four periods:

(A) LITERATURES IN ENGLISH TO 1500

Select from English 140A through 148 or indicated sections of 149:

English 140A through 148

English 140A through 148

Indicated Sections of English 149

ENGL 149 - Medievalisms

(B) LITERATURES IN ENGLISH, 1500 TO 1700

Select from English 150A through 157, 166A, or indicated sections of 159 or 159R:

English 150A through 157

English 150A through 157

English 166A

ENGL 166A - Colonial Beginnings of American Literature

Indicated Sections of English 159 or 159R

ENGL 159 - Topics in Literature, circa 1500 to 1700

ENGL 159R - Topics in Literature, circa 1500 to 1700: Research Component

(C) LITERATURES IN ENGLISH, 1700 TO 1850

Select from English 160A through 165C, 166B through 168, or indicated sections of 169 or 169R or 176:

English 160A through 165C

English 160A through 165C

English 166B through 168

ENGL 166B - American Literature, 1776 to 1832

ENGL 166C - American Literature, 1832 to 1865

ENGL 167A - American Poetry to 1900

ENGL 167B - American Fiction to 1900

ENGL 168 - Major American Writers

Indicated Sections of English 169, 169R, or 176

ENGL 169 - Topics in Literature, circa 1700 to 1850

ENGL 169R - Topics in Literature, circa 1700 to 1850: Research Component

ENGL 176 - Hemispheric American Literature

(D) LITERATURES IN ENGLISH, 1850 TO PRESENT

Select courses from:

ENGL M101B - Queer Literatures and Cultures, 1850 to 1970

ENGL M101C - Queer Literatures and Cultures after 1970

ENGL M102A - Historical Survey of Asian American Literature

ENGL M102B - Contemporary Asian American Literary Issues and Criticism

ENGL M104A - Early African American Literature

ENGL M104B - African American Literature from Harlem Renaissance to 1960s

ENGL M104C - African American Literature of 1960s and 1970s

ENGL M104D - Contemporary African American Literature

ENGL M105B - Chicana/Chicano Literature from Mexican Revolution to el Movimiento, 1920 to 1970s

ENGL M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

ENGL M105D - Introduction to Latina/Latino Literature

ENGL M105E - Studies in Chicana/Chicano and/or Latina/Latino Literature

ENGL 116B - Introduction to Electronic Literature

ENGL 130 - Introduction to Postcolonial Literatures

ENGL 131 - Studies in Postcolonial Literatures

ENGL 164B - 19th-Century Critical Prose

ENGL 164C - 19th-Century Novel

ENGL 164D - Global 19th Century

ENGL 167A - American Poetry to 1900

ENGL 167B - American Fiction to 1900

ENGL 168 - Major American Writers

ENGL 170A - American Literature, 1865 to 1900

ENGL 170B - American Literature, 1900 to 1945

ENGL 170C - American Literature since 1945

ENGL 171A - Later 19th-Century Poetry

ENGL 171B - 20th-Century British Poetry

ENGL 171C - 20th-Century British Fiction

ENGL 172A - Drama, 1850 to 1945

ENGL 172B - Drama, 1945 to Present

ENGL 172C - American Drama

ENGL 173A - American Poetry, 1900 to 1945

ENGL 173B - American Poetry since 1945

ENGL 173C - Contemporary American Poetry

ENGL 174A - American Fiction, 1900 to 1945

ENGL 174B - American Fiction since 1945

ENGL 174C - Contemporary American Fiction

ENGL 179 - Topics in Literature, circa 1850 to Present

ENGL 179R - Topics in Literature, circa 1850 to Present: Research Component

Indicated Sections of English 176

ENGL 176 - Hemispheric American Literature

(2) Breadth Courses

Complete three breadth courses, one course from each of three of the following four areas:

(A) GENDER, RACE, ETHNICITY, DISABILITY, AND SEXUALITY STUDIES

Select from following groups of courses or following range:

English 100 through 109

English 100 through 109

Courses

ENGL M126 - Feminist and Queer Theory

ENGL 135 - Literature of Americas

ENGL 155 - Renaissance Subjects

ENGL 163C - Jane Austen and Her Peers

ENGL 165B - Gender, Sexuality, and Body, 1700 to 1850

ENGL 166C - American Literature, 1832 to 1865

Indicated Sections of 119, 139, 149, 159, 159R, 169, 169R, 179, or 179R

ENGL 119 - Literary Cities

ENGL 139 - Individual Authors

ENGL 149 - Medievalisms

ENGL 159 - Topics in Literature, circa 1500 to 1700

ENGL 159R - Topics in Literature, circa 1500 to 1700: Research Component

ENGL 169 - Topics in Literature, circa 1700 to 1850

ENGL 169R - Topics in Literature, circa 1700 to 1850: Research Component

ENGL 179 - Topics in Literature, circa 1850 to Present

ENGL 179R - Topics in Literature, circa 1850 to Present: Research Component

(B) IMPERIAL, TRANSNATIONAL, AND POSTCOLONIAL STUDIES

Select from following group of courses:

Courses

ENGL M105A - Early Chicana/Chicano Literature, 1400 to 1920

ENGL M105B - Chicana/Chicano Literature from Mexican Revolution to el Movimiento, 1920 to 1970s

ENGL M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

ENGL M105D - Introduction to Latina/Latino Literature

ENGL 106 - Studies in Native American and Indigenous Literatures

ENGL 112D - Celtic Folklore

ENGL 128 - Postcolonial and Transnational Theory

ENGL 130 - Introduction to Postcolonial Literatures

ENGL 131 - Studies in Postcolonial Literatures

ENGL 132 - Culture and Imperialism

ENGL 133 - Transatlantic Literatures and Cultures

ENGL 134 - Nationalism and Transnationalism

ENGL 135 - Literature of Americas

ENGL 154 - Renaissance Worlds

ENGL 157 - Translation and Innovation in English Renaissance and Early Modern Period

ENGL 163B - Transatlantic Romanticism

ENGL 164D - Global 19th Century

ENGL 165A - Imperial Culture, 1700 to 1850

ENGL 166A - Colonial Beginnings of American Literature

ENGL 166B - American Literature, 1776 to 1832

ENGL 176 - Hemispheric American Literature

Indicated Sections of English 149, 159, 159R, 169, 169R, 179, or 179R,

ENGL 149 - Medievalisms

ENGL 159 - Topics in Literature, circa 1500 to 1700

ENGL 159R - Topics in Literature, circa 1500 to 1700: Research Component

ENGL 169 - Topics in Literature, circa 1700 to 1850

ENGL 169R - Topics in Literature, circa 1700 to 1850: Research Component

ENGL 179 - Topics in Literature, circa 1850 to Present

ENGL 179R - Topics in Literature, circa 1850 to Present: Research Component

(C) GENRE STUDIES, INTERDISCIPLINARY STUDIES, CRITICAL THEORY

Select from following group of courses or ranges:

English 111A through 129

English 111A through 129

Courses

ENGL 144 - Medieval Romance and Literatures of Court

ENGL 146 - Medieval Story Cycles and Collections

ENGL 147 - Medieval Histories, Chronicles, and Records

ENGL 153 - Theatrical Renaissance: Early Modern Texts and Performances

ENGL 156 - Devotion and Dissent

ENGL 161A - Poetry in English to 1850

ENGL 161B - Drama in English to 1850

ENGL 161C - Novel in English to 1850

ENGL 163A - Romanticism and Revolution

ENGL 163C - Jane Austen and Her Peers

ENGL 164A - Earlier 19th-Century Poetry

ENGL 164B - 19th-Century Critical Prose

ENGL 164C - 19th-Century Novel

ENGL 164D - Global 19th Century

ENGL 167A - American Poetry to 1900

ENGL 167B - American Fiction to 1900

English 171A through 177

English 171A through 177

Indicated Sections of 149, 159, 159R, 169, 169R, 179, or 179R

ENGL 149 - Medievalisms

ENGL 159 - Topics in Literature, circa 1500 to 1700

ENGL 159R - Topics in Literature, circa 1500 to 1700: Research Component

ENGL 169 - Topics in Literature, circa 1700 to 1850

ENGL 169R - Topics in Literature, circa 1700 to 1850: Research Component

ENGL 179 - Topics in Literature, circa 1850 to Present

ENGL 179R - Topics in Literature, circa 1850 to Present: Research Component

(D) CREATIVE WRITING

Admission to creative writing workshops (courses 136, 137, M138) is by application only.

ENGL 136A - Creative Writing: Intermediate Poetry

ENGL 136B - Creative Writing: Advanced Poetry

ENGL 137A - Creative Writing: Intermediate Short Story

ENGL 137B - Creative Writing: Advanced Short Story

ENGL M138 - Topics in Creative Writing

(3) Elective Courses

Complete two elective courses (English 195CE is not applicable).

(4) Seminar Course

One seminar from course 180 through 184, or M191A through M191E.

ENGLISH 180 THROUGH 184

English 180 through 184

ENGLISH M191A THROUGH M191E

ENGL M191A - Topics in African American Literature

ENGL M191B - Topics in Chicana/Chicano and/or Latina/Latino Literature

ENGL M191C - Topics in Asian American Literature

ENGL M191D - Topics in Queer Literatures and Cultures

ENGL M191E - Topics in Gender and Sexuality

Honors Program

Students must take one theory course from English 120 through 128 no later than winter quarter of the junior year. In spring quarter of the junior year, students must take course 191H. During fall and winter quarters of the senior year, students must take courses 198A and 198B, in which they write a thesis under the direction of a faculty member.

Theory

Select one course from:

English 120 through 128

Honors Research

ENGL 191H - Honors Research Seminars: English

ENGL 198A - Honors Research in English

ENGL 198B - Honors Research in English

Policies

Preparation for the Major Policies

A grade of C or better is required in each of English Composition 3, English 4W or 4HW or 4WX, 10A, 10B, 10C. A foreign literature in translation course list is available under Foreign Literature in Translation. Transfer students who have satisfied the College of Letters and Science foreign language requirement at the high-school level through the Intersegmental General Education Transfer Curriculum (IGETC) program may satisfy the departmental requirement with five foreign literature in translation courses. Courses satisfying the major foreign language requirement may be taken on a Passed/Not Passed (P/NP) grading basis.

The Major Policies

Each course applied toward requirements for the major must be 4 or 5 units and be taken for a letter grade.

Honors Program

Admission

The honors program is open to majors with a 3.5 departmental and a 3.25 overall grade-point average (GPA). Students with lower GPAs may petition for admission to the program, but these grade-point averages must be achieved before graduation in order to qualify for honors. Students should apply by winter quarter of the junior year. For application forms and more information, contact the departmental counselor.

Requirements

The one theory course from English 120 through 128 may fulfill one of three required breadth courses. Course 191H may fulfill one of the two electives for the major. Course 198B may fulfill the second of the two electives for the major.

The thesis determines whether highest honors, honors, or no honors are received.

Minor

Creative Writing Minor

College / School
College of Letters and Science

Department
English

Level

Undergraduate

Overview

The creative writing minor allows students to develop the craft of poetry writing or short fiction writing, as well as to explore other and emerging areas of writing practice such as creative nonfiction, screenwriting, playwriting, hybrid genres, and electronic forms. The minor is excellent preparation for those who seek to pursue advanced degrees in writing, as well as for those who seek to pursue careers in writing and the creative industries.

Entry to the Minor

Admission

To enter the minor, students must (1) have an overall grade-point average of 2.0 or better, (2) have completed the required lower-division courses, (3) have completed one upper-division course in poetry writing (English 136A or 136B) or short fiction writing (English 137A or 137B), and (4) submit a brief letter of application, a writing sample (at least 10 pages of prose or 7 to 10 poems), and a PDF copy of their degree audit report.

Minor Requirements

The Minor

Required Lower-Division Courses (9-10 units)

Complete two courses as follows:

ENGLISH 4 SERIES

Select one course from:

ENGL 4HW - Critical Reading and Writing (Honors)

ENGL 4W - Critical Reading and Writing

ENGL 4WX - Critical Reading and Writing (Community-Engaged Learning)

ADDITIONAL COURSE

Select one course from:

ENGL 10C - Literatures in English, 1850 to Present

ENGL 11 - Introduction to American Cultures

ENGL 20 - Introduction to Creative Writing

ENGL 20W - Introduction to Creative Writing

Required Upper Division Courses (24-25 units)

Complete five or six courses as follows:

CORE GENRE

Select one course from:

ENGL 136A - Creative Writing: Intermediate Poetry

ENGL 136B - Creative Writing: Advanced Poetry

ENGL 137A - Creative Writing: Intermediate Short Story

ENGL 137B - Creative Writing: Advanced Short Story

ADVANCED CORE GENRE

Select one advanced course in the same core genre from:

ENGL 136B - Creative Writing: Advanced Poetry

ENGL 137B - Creative Writing: Advanced Short Story

ADDITIONAL COURSE

Select one additional advanced course in the same genre, or one intermediate or advanced course in the other genre, or one creative writing topics course from:

ENGL 136A - Creative Writing: Intermediate Poetry

ENGL 136B - Creative Writing: Advanced Poetry

ENGL 137A - Creative Writing: Intermediate Short Story

ENGL 137B - Creative Writing: Advanced Short Story

ENGL M138 - Topics in Creative Writing

ENGCOMP M138 - Topics in Creative Writing

ELECTIVES

Select one or two courses from the following list. English M192 must be taken twice to satisfy the requirement.

ASIA AM 112C - Asian American Creative Writing

CCAS CM135 - Bilingual Writing Workshop

ENGL M101B - Queer Literatures and Cultures, 1850 to 1970

ENGL M101C - Queer Literatures and Cultures after 1970

ENGL M102B - Contemporary Asian American Literary Issues and Criticism

ENGL M104B - African American Literature from Harlem Renaissance to 1960s

ENGL M104C - African American Literature of 1960s and 1970s

ENGL M104D - Contemporary African American Literature

ENGL M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

ENGL 136A - Creative Writing: Intermediate Poetry

ENGL 136B - Creative Writing: Advanced Poetry

ENGL 137A - Creative Writing: Intermediate Short Story

ENGL 137B - Creative Writing: Advanced Short Story

ENGL M138 - Topics in Creative Writing

ENGL 170C - American Literature since 1945

ENGL 171B - 20th-Century British Poetry

ENGL 171C - 20th-Century British Fiction

ENGL 172B - Drama, 1945 to Present

ENGL 173B - American Poetry since 1945

ENGL 173C - Contemporary American Poetry

ENGL 174B - American Fiction since 1945

ENGL 174C - Contemporary American Fiction

ENGL M192 - Undergraduate Practicum in English: Journals

ENGCOMP M138 - Topics in Creative Writing

CAPSTONE

Select one capstone course culminating in a project with a creative writing focus from:

ENGL 184 - Capstone Seminar: English

ENGL 195CE - Community and Corporate Internships in English

ENGL 198B - Honors Research in English

ENGL 199 - Directed Research or Senior Project in English

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. At least 15 upper-division units applied toward the minor must be taken in residence during the regular academic year (excluding summer sessions) at UCLA. Transfer credit is subject to department approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade (except elective courses offered only on a Passed/Not Passed (P/NP) basis; no more than 4 units of P/NP coursework may be applied), and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

English Minor

College / School
College of Letters and Science

Department
English

Level

Undergraduate

Overview

The English minor is designed for students who wish to enhance their major program with the benefits of intensive study of English language and literatures, including a better understanding and appreciation of literatures in English and improvement in critical thinking, reading, and writing skills.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, have completed English 10A with a grade of C or better, and have satisfied the English Composition 3 requirement and completed English 4W. Students must file a petition to declare the minor by meeting with a student affairs officer in the Undergraduate Counseling Office, 158/160 Kaplan Hall, 310-825-1389. This allows them priority enrollment in many upper-division courses.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete the following two courses with grades of C or better:

ENGL 10B - Literatures in English, 1700 to 1850

ENGL 10C - Literatures in English, 1850 to Present

Required Upper-Division Courses (25 units)

Complete five courses selected from English 100 through M191E, including one course in literatures in English written before 1700 (see course lists 1a and 1b under English BA, and one other course in literatures in English written before 1850 (see course lists 1a, 1b, and 1c under English BA).

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. At least 15 upper-division units applied toward the minor must be

taken in residence during the regular academic year (excluding summer sessions) at UCLA. Transfer credit is subject to department approval; consult with the undergraduate counselors before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Literature and the Environment Minor

College / School
College of Letters and Science

Department
English

Level

Undergraduate

Overview

The Literature and the Environment minor provides students with both a solid foundation for literary interpretation and a superstructure that integrates those skills and perspectives with the questions about the past, present, and future of the biosphere. It is designed for undergraduate students who wish to enhance their major program with intensive study of literature in its relationship to the natural environment, while improving their skills in reading, writing, creative and critical thinking, and analysis of complex situations in an ethical frame. The minor examines how different cultural forms (for example, fiction, journalism, poetry, film, design, and other arts) represent environmental issues, including biodiversity,

animal studies, wilderness, food, urban ecologies, postcolonial ecologies, environmental justice, and climate change.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing with an overall grade-point average of 2.0 or better and have completed English 4W, 4HW, 4WX, or any Writing II course with a grade of C or better. Students must file a petition to declare the minor by meeting with a student affairs officer in the Undergraduate Counseling Office, 158/160 Kaplan Hall, 310-825-1389. For more information, see the minor website.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete two courses as follows:

ENGLISH 4 SERIES OR ANY ONE WRITING II COURSE

Select one of the following courses or complete any Writing II course:

ENGL 4HW - Critical Reading and Writing (Honors)

ENGL 4W - Critical Reading and Writing

ENGL 4WX - Critical Reading and Writing (Community-Engaged Learning)

ENVIRONMENTAL LITERATURE AND CULTURE

Select one course from:

ENGL M30 - Environmental Literature and Culture

ENGL M30SL - Environmental Literature and Culture (Service Learning)

Required Upper-Division Courses (20 to 24 units)

Complete five courses as follows:

ENGLISH 118E AND M118F

Complete English 118E and M118F or one additional 118E course on a different topic or one other English course that has a primary focus on environmental issues to be selected from a list available in the Undergraduate Counseling Office prior to the opening of enrollment each term (students may petition to substitute other courses).

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

ELECTIVE

Select one course from:

AM IND C178 - California Experiences in Native Cultural Resource Management

ANTHRO 133 - Anthropology of Food

ANTHRO 166P - Sub-Saharan Africa

ART HIS 133D - Architecture in U.S.

ART HIS 133E - American Houses

ART HIS C145A - Architecture and Urbanism in Africa

CCAS M144 - Women's Movement in Latin America

CCAS M183 - History of Los Angeles

FOOD ST M170XP - Food Studies and Food Justice in Los Angeles

GEOG 130 - Food and Environment

GEOG 136 - Health and Global Environment

HNRS 141 - Biology and Medicine in Postgenomic Era

HNRS 174 - Future Impact of Nano in New Technologies

ITALIAN 124 - Food and Literature in Italy

PUB PLC C115 - Environmental and Resource Economics and Policy

RUSSN 122 - Siberia

URBN PL M120 - Introduction to Cities and Planning

URBN PL 121 - Urban Policy and Planning

URBN PL CM166 - Global Environment and Development: Problems and Issues

ADDITIONAL ELECTIVE

Select one course from:

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI 107 - Biological Oceanography

A&O SCI 141 - Introduction to Atmospheric Chemistry and Air Pollution

EPS SCI 101 - Earth's Energy: Diminishing Fossil Resources and Prospects for Sustainable Future

EE BIOL 116 - Conservation Biology

EE BIOL M131 - Ecosystem Ecology

EE BIOL 154 - California Ecosystems

EE BIOL 176 - Ecological Ethics

ENVIRON M111 - Earth and Its Environment

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M126 - Environmental Change

ENVIRON M131 - Human Impact on Biophysical Environment

ENVIRON M133 - Environmental Sociology

ENVIRON 134 - Environmental Economics with Data Analysis

ENVIRON 150 - Environmental Journalism, Science Communications, and New Media

ENVIRON M153 - Introduction to Sustainable Architecture and Community Planning

ENVIRON 157 - Energy, Environment, and Development

ENVIRON C159 - Life-Cycle Assessment

ENVIRON M161 - Global Environment and World Politics

ENVIRON 163 - Business and Natural Environment

ENVIRON M164 - Environmental Politics and Governance

ENVIRON 166 - Leadership in Water Management

ENVIRON M167 - Environmental Justice through Multiple Lenses

ENV HLT 100 - Introduction to Environmental Health

PROJECT

Select one course from the following list or that culminates in a project focused primarily on literature from an ecocritical or other environmentally focused perspective:

ENGL 184 - Capstone Seminar: English

ENGL 195CE - Community and Corporate Internships in English

ENGL 197 - Individual Studies in English

ENGL 198A - Honors Research in English

ENGL 198B - Honors Research in English

ENGL 199 - Directed Research or Senior Project in English

Policies

The Minor Policies

A list of courses that have a primary focus on environmental issues is available in the Undergraduate Counseling Office prior to the opening of enrollment each term.

Students may petition to substitute an internship course/independent study/directed research course (195CE, 197, 198, or 199) for an elective course as long as it is clearly and predominantly relevant to the

topics covered in the minor and falls within the discipline of the requirement for which it serves as a substitute. No more than one upper-division independent study/directed research course (4 or 5 units) may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Professional Writing Minor

College / School
College of Letters and Science

Department
English

Level

Undergraduate

Overview

The Professional Writing minor includes the study and practice of originating, designing, and communicating information and ideas. As a discipline, it is the core for creating, debating, and disseminating knowledge in the 21th-century multicultural economy. The minor enables students to expand their knowledge of the practices of writing in a diverse modern society.

Through courses that understand writing broadly—as encompassing written, oral, visual, and electronic multimodal communication—students in the Professional Writing minor acquire deep intellectual and practical skills needed to perform well as good writers within the professions they choose, or to become

professional writers with specific areas of academic expertise. All Writing Programs courses in the minor include a segment on digital media.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, have satisfied the Writing II requirement, and submit a 500-word essay online explaining why they want to declare the minor, and how they expect it to relate to their professional lives. For more information, contact the Writing Programs adviser, 146 Kaplan Hall, 310-206-1145.

Minor Requirements

The Minor

Required Lower-Division Courses (4-5 units)

Complete any Writing II course or equivalent.

Required Upper-Division Courses (26-30 units)

Complete six courses as follows:

CORE

Select one course from:

ENGCOMP 130A - Professional Writing: Digital Writing and Web Literacy

ENGCOMP 130B - Professional Writing: Business and Entrepreneurship

ENGCOMP 130C - Professional Writing: Science and Technology

ENGCOMP 130D - Professional Writing: Nonprofits and Public Engagement

ENGCOMP 130E - Professional Writing: Arts and Entertainment

ENGLISH AND ENGLISH COMPOSITION COURSES

Select two courses from the following list. English M138 or English Composition M138 may be taken when offered on a nonfiction topic.

COM LIT M191P - Careers in Humanities

ENGL 110A - Writing in English Major: Analytical

ENGL 110C - Public Readers, Public Writers: Writing about Books for 21st-Century Audience

ENGL 110E - Writing in English Major: Advanced Essay

ENGL 110P - Writing in English Major: Pre-Professional Portfolio

ENGL 110V - Variable Topics in Professional Writing

ENGL M138 - Topics in Creative Writing

ENGL M191P - Careers in Humanities

ENGL M192 - Undergraduate Practicum in English: Journals

ENGCOMP 131A - Specialized Writing: Law and Politics

ENGCOMP 131C - Specialized Writing: Medicine and Public Health

ENGCOMP 131D - Specialized Writing: Media and Communications

ENGCOMP 132 - Variable Topics in Rhetoric and Writing

ENGCOMP 133 - Topics in Writing for Multimedia Environments

ENGCOMP 134 - Topics in Science Writing

ENGCOMP 136 - Practical Writing and Editing

ENGCOMP 137 - Writing for Public Speaking

ENGCOMP M138 - Topics in Creative Writing

ENGCOMP M192 - Undergraduate Practicum in English: Journals

ELECTIVE

Select one course from:

AF AMER M194A - Language, Literacy, and Human Development Research Group Seminars

ASIA AM C142A - Ethnocommunications I: Introduction to Creating Community Media

ASIA AM C142B - Ethnocommunications II: Intermediate Creating Community Media

ASIA AM C142C - Ethnocommunications III: Advanced Creating Community Media

CESC 163SL - Civic Engagement and Public Use of Knowledge: Special Topics

COMM 109 - Entrepreneurial Communication

COMM 110 - Gender and Communication

DANCE C184 - Production Arts Seminar

DGT HUM 150 - Advanced Topics in Digital Humanities

EE BIOL C179 - Communicating Science to Informal Audiences

EDUC M131A - Language, Literacy, and Human Development Research Group Seminars

EDUC 133 - Literacy in Society

FILM TV C144 - Interactive Multimedia Authoring

LIFESCI 110 - Career Exploration in Life Sciences

LIFESCI M192A - Introduction to Collaborative Learning Theory and Practice

MSC IND 2 - Music Industry Fundamentals

MSC IND 104A - Music and Law

MSC IND 110 - Music Business Now

MSC IND 122 - Digital Marketing and Promotion

RES PRC 192B - Aleph: UCLA Undergraduate Research Journal for Humanities and Social Sciences

ADDITIONAL ELECTIVE

Complete one additional upper-division course from previous lists.

CAPSTONE COURSE

Select one capstone, cumulative portfolio, independent study, or community and corporate internship course from:

ENGL 195CE - Community and Corporate Internships in English

ENGL 197 - Individual Studies in English

ENGL 199 - Directed Research or Senior Project in English

ENGCOMP 195 - Community or Corporate Internships in English Composition

ENGCOMP 199 - Directed Research or Senior Project in English Composition

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

No more than one lower-division course may be applied to the minor. Students may petition to substitute courses other than those listed to satisfy elective requirements.

Each minor course must be taken for a letter grade (unless the course is graded only on a P/NP basis; no more than 4 units of P/NP may be applied to the minor), and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

English MA, CPhil, PhD

College / School

College of Letters and Science

Department

English

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Entrepreneurship Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
John E. Anderson Graduate School of Management

149 Kaplan Hall
Box 951530
Los Angeles, CA 90095-1530

Entrepreneurship
310-825-1389
E-mail contact

Olav J. Sorenson, PhD, *Chair*

The Entrepreneurship minor introduces undergraduate students to the field of entrepreneurship. Entrepreneurship encompasses a wide range of business activities, from the generation of new ideas for products and services, to the systematic evaluation and development of those ideas, to the process of building a company to pursue them. Faulty members teaching in the minor are drawn from academic departments across campus, applied fields in the professional schools, and industry.

Through a carefully developed core curriculum and an integrative capstone experience, students in the minor obtain both breadth and depth in their understanding of the concepts, frameworks, and practical implications of entrepreneurship in an interdisciplinary and collaborative educational environment.

Entrepreneurship Faculty Committee

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Olav J. Sorenson, PhD *(Management, Sociology)*
Nathan M. Wilson, PhD *(Management)*
Shi Zhang, PhD *(Management)*

Minor

Entrepreneurship Minor

College / School

John E. Anderson Graduate School of Management

Department

Entrepreneurship

Level

Undergraduate

Overview

The Entrepreneurship minor introduces undergraduate students to the field of entrepreneurship. A key element of entrepreneurship is the concept of opportunity recognition where individuals or teams pursue business concepts without regard to immediate access to resources utilizing lean start-up principles. Faculty members from applied fields in the professional schools and industry collaborate with faculty from academic disciplines across the campus to provide a critical framework for questioning and connecting topics related to entrepreneurship.

Through a carefully developed core curriculum and an integrative capstone experience, students in the minor obtain both breadth and depth in their understanding of the concepts, frameworks, and practical implications of entrepreneurship.

Entry to the Minor

Admission

To enter the Entrepreneurship minor, students must (1) have an overall grade-point average of 3.0 or better and (2) submit an application supporting their interest in pursuing the minor. Applications are accepted in fall, winter, and spring quarters. To help plan the course schedule and internship/field experience, students are expected to work closely with the academic adviser. Applications are available on the minor website.

Minor Requirements

The Minor

Required Lower-Division Course (4 or 5 units)

Complete the following course or any Writing II course.

COMM 1 - Principles of Oral Communication

Required Upper-Division Courses (32 or 33 units)

Complete five required courses and three electives as follows:

Management

Complete the following five courses. Management 199 must be taken for 4 units minimum.

MGMT 159 - Foundations of Business and Entrepreneurship

MGMT 160 - Entrepreneurship and Venture Initiation

MGMT 161 - Business Plan Development

MGMT 169 - Entrepreneurial Leadership and Practical Experience

MGMT 199 - Directed Research in Management

Electives

Select three courses from the following. At least two of the three elective courses must be selected from management.

AN N EA M105 - Archaeology of Egypt and Sudan

COMM 109 - Entrepreneurial Communication

COMM M117 - Negotiation

COMM 156 - Social Networking

DANCE C184 - Production Arts Seminar

DGT HUM 101 - Introduction to Digital Humanities

DGT HUM 150 - Advanced Topics in Digital Humanities

ECON 106E - Economics of Entrepreneurship

ECON 173AX - Introduction to Social Entrepreneurship

ECON 173BX - Introduction to Social Entrepreneurship

ENVIRON 163 - Business and Natural Environment

ETHNMUS 105 - Music Business

MGMT 162 - Entrepreneurship and Technology Commercialization

MGMT 163 - Entrepreneurship and New Product Development

MGMT 164 - Entrepreneurial Finance and Accounting

MGMT 165 - Marketing Principles for Entrepreneurs

MGMT 167 - Social Entrepreneurship

MGMT 168 - Personal Financial Health: Theory and Practice

SOCIOL 172 - Entrepreneurship

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 3.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Institute of the Environment and Sustainability Overview

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Center for Interdisciplinary Instruction
College of Letters and Science

300 La Kretz Hall
Box 951496
Los Angeles, CA 90095-1496

Environment and Sustainability
310-825-5008

Marilyn N. Raphael, PhD, ***Director***

The environment is defined broadly to include the interrelated issues of global climate change, loss of biological diversity, and threats to human health and well-being from the use and misuse of natural resources, applying all the tools of scientific and policy analysis as well as moral and aesthetic values to the work. The environment is a crucial component of sustainability, which is defined as the simultaneous consideration of environmental, economic, and social justice concerns. Los Angeles itself is a vital asset to this mission. As an international mega-city located in one of the world's most biologically diverse regions, Los Angeles is a magnet for scholars from around the world who are facing similar issues of pollution, access to potable water, demand for energy, fragmentation of habitat, and the need to restore ecological function to sprawling urban settlements in a manner that supports economic growth and that is socially just and equitable.

Mission

The mission of the UCLA Institute of the Environment and Sustainability (IoES) is to advance cross-disciplinary research, teaching, and public service on matters of critical importance to the planet and the campus community.

Undergraduate Study

The Bachelor of Science (BS) degree in Environmental Science is an innovative dual-component degree program for students seeking a challenging and invigorating science curriculum. The first component, the Environmental Science major, provides students with disciplinary breadth in several areas important to environmental science. The second component, a minor or concentration in one of seven environmental science areas, provides students with focused disciplinary depth in an area of their choosing. The minor in Environmental Systems and Society is designed for students who wish to gain a deeper understanding of the relationships between environmental science and associated social and political issues.

The IoES also sponsors Environment M1A, M1B, M1CW and Clusters M1A, M1B, M1CW titled Food: Lens for Environment and Sustainability. The cluster format is a series of three integrated freshman team-taught courses over the fall, winter, and spring quarters. The fall and winter quarter courses consist of lectures and discussions. The spring quarter consists of seminars and activities in which students explore specialized food-related environmental and sustainability topics such as sustainable agriculture, food culture and justice, and strategies for feeding the growing human population.

Graduate Study

At the graduate level, the IoES offers two interdisciplinary degree programs: a professional Doctor of Environmental Science and Engineering (DEnv) and a PhD in Environment and Sustainability. The IoES also offers the Leaders in Sustainability graduate certificate.

Graduate Certificate

The national award-winning Leaders in Sustainability graduate certificate program is free to UCLA graduate students pursuing degrees in any discipline. Companies, consumers, and governments across the world increasingly focus on making products, services, operations, and lives more sustainable. The certificate program gives students the tools to make that happen in a collaborative, action-oriented setting. By bringing together students and faculty from diverse academic fields, the program fosters cross-pollination for innovative ideas and solutions. Each graduate student takes a core sustainability class along with electives of their choosing. Working with other students, faculty and professionals, students initiate a leadership project that measurably advances sustainability. For many, this project serves as a jumping-off point into their post-graduate careers and studies.

Institute of the Environment and Sustainability Faculty Roster

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Professors

Paul H. Barber, PhD
Daniel T. Blumstein, PhD
William C. Boyd, JD, MA, PhD *(Michael J. Klein Professor of Law)*
Ann E. Carlson, JD *(Shirley Shapiro Professor of Environmental Law)*
Charles J. Corbett, PhD
Magali A. Delmas, PhD
Elizabeth M. DeLoughrey, PhD
Rajit Gadh, PhD
Thomas W. Gillespie, PhD
Alexander D. Hall, PhD
Susanna B. Hecht, PhD
Ursula K. Heise, PhD *(Marcia H. Howard Term Professor of Literary Studies)*
David K. Jacobs, PhD
Jennifer A. Jay, PhD
Dennis P. Lettenmaier, PhD
Glen M. MacDonald, PhD *(Professor of California and the American West)*
Shaily Mahendra, PhD
Timothy Malloy, JD *(Frank G. Wells Endowed Professor of Environmental Law)*
James C. McWilliams, PhD *(Louis B. Slichter Professor of Geophysics and Planetary Physics)*
Gregory S. Okin, PhD
Edward A. Parson, MSc, PhD *(Dan and Rae Emmett Endowed Professor of Environmental Law)*
Suzanne E. Paulson, PhD

Laurent G. Pilon, PhD
Stephanie S. Pincetl, PhD
Marilyn N. Raphael, PhD
Michael L. Ross, PhD
Lawren Sack, PhD
H. Bradley Shaffer, PhD
Monica L. Smith, PhD *(Navin and Pratima Doshi Professor of Indian Studies)*
Victoria L. Sork, PhD
Michael K. Stenstrom, PhD
Irwin H. Suffet, PhD
Aradhna K. Tripati, PhD
Alex Wang, JD
Yifang Zhu, PhD

Professors Emeriti

Richard F. Ambrose, PhD
Judith A. Carney, PhD
Yoram Cohen, PhD
Randall D. Crane, PhD
J. Nicholas Entrikin, PhD
Malcolm S. Gordon, PhD
Patricia A. Gowaty, PhD
William M. Hamner, PhD
Stephen P. Hubbell, PhD
Richard J. Jackson, MD, MPH
Mary D. Nichols, JD
Paul M. Ong, PhD
Philip W. Rundel, PhD
Thomas B. Smith, PhD
Keith D. Stolzenbach, PhD
Richard P. Turco, PhD
Blaire Van Valkenburgh, PhD
Richard R. Vance, PhD
Arthur M. Winer, PhD

Associate Professors

Alan I. Barreca, PhD
Deepak Rajagopal, PhD
Morgan W. Tingley, PhD

Assistant Professors

Robert A. Eagle, PhD
Alvar Escriva-Bou, PhD
Elizabeth C. Koslov, PhD
Karen A. McKinnon, PhD
Alesia Montgomery, PhD
Elsa M. Ordway, PhD
Pablo E. Saide, PhD

Adjunct Professors

Mark A. Gold, DEnv
Peter M. Kareiva, PhD
Lawrence W. Harding, PhD
Travis R. Longcore, PhD
Sasan S. Saatchi, PhD

Adjunct Associate Professors

Ryan J. Harrigan, PhD
Kevin Y. Njabo, PhD
Rebecca F. Shipe, PhD

Adjunct Assistant Professors

Jon A. Christensen, PhD
Miriam E. Marlier, PhD
Shanna Shaked, PhD, MAT
Virginia M. Zaunbrecher, JD

Academic Administrators

Noah J. Garrison, JD
J. Cully Nordby, PhD
Andrew R. Kleinhesselink, PhD

Major

Environmental Science BS

College / School

College of Letters and Science

Department

Environment and Sustainability, Institute of the

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Environmental Science BS program represents strong collaboration between the Institute of the Environment and Sustainability and the departments of Atmospheric and Oceanic Sciences; Civil and Environmental Engineering; Earth, Planetary, and Space Sciences; Ecology and Evolutionary Biology;

Environmental Health Sciences; and Geography. The program is designed for students who are deeply interested in the study of environmental science. There are two components to the program, and both must be completed to receive the degree. The first component, the Environmental Science major, requires completion of lower-division requirements grounded in basic natural sciences, a five-course upper-division environmental science requirement reflecting the disciplinary breadth of environmental science, three social sciences/humanities courses, participation in a sustainability-focused speaker series, and completion of an environmental science practicum. The second component is a minor or concentration in one of seven environmental science areas, each associated with a particular department. With assistance from IoES staff, students must formally apply to and be accepted by the associated department to receive the minor.

Capstone Major

The Environmental Science major is a designated capstone major. In collaboration with a local agency or nonprofit institution, students work individually and in groups to complete projects that require them to integrate many of the skills, principles, theories, and concepts they have learned throughout the curriculum and apply them to real systems. Students are expected to contribute meaningfully to the analysis and solution of particular environmental science issues involving multiple disciplines and stakeholders with different perspectives. Those completing the major should possess critical thinking skills, problem-solving abilities, and familiarity with essential computational, data collection, and analysis skills, as well as demonstrate effective oral and written communication skills. Graduates should also be able to identify key ethical issues and analyze the consequences of various professional dilemmas, as well as work productively as part of a team.

Learning Outcomes

1. Ability to apply theories or concepts from coursework to analysis of issues in the field

2.	Ability to make meaningful contribution to analysis and solution of particular issues involving multiple disciplines and stakeholders with different perspectives
3.	Critical thinking skills, problem-solving abilities, and familiarity with computational and data collection and analysis procedures essential to the field
4.	Ability to identify ethical issues raised by a particular issue
5.	Ability to analyze the consequences of various professional dilemmas
6.	Ability to work productively with others as part of a team
7.	Effective oral and written communication skills

Entry to the Major

Transfer Students

Transfer applicants to the Environmental Science major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two general chemistry courses with laboratory for majors, two general biology courses with laboratory for majors, two calculus courses, and two calculus-based physics courses.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 12 required courses and additional required courses based on minor selection as follows:

Chemistry

Select one series from:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEMISTRY 20 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

Environment

Complete the following course:

ENVIRON 10 - Introduction to Environmental Science

Geography

Complete the following course:

GEOG 7 - Introduction to Geographic Information Systems

Life Sciences

Complete the following two courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

Mathematics

Select one series from:

LIFE SCIENCES 30 SERIES

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

MATHEMATICS 3 SERIES

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATHEMATICS 31 SERIES

Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

Physics

Select one series from:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

Statistics

Select one course from:

LIFESCI 40 - Statistics of Biological Systems

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Atmospheric and Oceanic Sciences Minor

For the Atmospheric and Oceanic Sciences minor, one course selected from the following is also required:

CHEM 14C - Structure of Organic Molecules

CHEM 30A - Organic Chemistry I: Structure and Reactivity

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATH 32A - Calculus of Several Variables

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

Conservation Biology Minor

For the Conservation Biology minor, one or two courses from one of the following options is also required:

CHEMISTRY 14C OR 30A

Select one course from:

CHEM 14C - Structure of Organic Molecules

CHEM 30A - Organic Chemistry I: Structure and Reactivity

LIFE SCIENCES 7C AND 23L

Complete both of the following courses:

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

Earth and Environmental Science Minor

For the Earth and Environmental Science minor, three additional courses as follows are also required:

EPS SCI 1 - Introduction to Earth Science

EARTH, PLANETARY, AND SPACE SCIENCES ELECTIVE

Select one course from:

EPS SCI 5 - Environmental Geology of Los Angeles

EPS SCI 13 - Natural Disasters

EPS SCI 15 - Blue Planet: Introduction to Oceanography

EPS SCI 61 - Geologic Maps

ADDITIONAL COURSE

Select one course from:

CHEM 14C - Structure of Organic Molecules

CHEM 30A - Organic Chemistry I: Structure and Reactivity

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATH 32A - Calculus of Several Variables

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

Environmental Engineering Minor

For the Environmental Engineering minor, one additional course from the following is also required:

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATH 32A - Calculus of Several Variables

Environmental Health Concentration

For the Environmental Health concentration, one additional course from the following is also required:

CHEM 14C - Structure of Organic Molecules

CHEM 30A - Organic Chemistry I: Structure and Reactivity

Required for the Environmental Systems and Society Minor

For the Environmental Systems and Society minor, one course from the following is also required. Students selecting Life Sciences 7C must also complete 23L.

CHEM 14C - Structure of Organic Molecules

CHEM 30A - Organic Chemistry I: Structure and Reactivity

EPS SCI 1 - Introduction to Earth Science

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATH 32A - Calculus of Several Variables

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

Geography/Environmental Studies Minor

For the Geography/Environmental Studies minor, three courses as follows are also required. Students should take these courses before enrolling in upper-division courses.

GEOG 5 - People and Earth's Ecosystems

GEOGRAPHY ELECTIVE

Select one course from:

GEOG 1 - Earth's Physical Environment

GEOG 2 - Biodiversity in Changing World

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

ADDITIONAL COURSE

Students selecting Life Sciences 7C must also complete 23L.

CHEM 14C - Structure of Organic Molecules

CHEM 30A - Organic Chemistry I: Structure and Reactivity

EPS SCI 1 - Introduction to Earth Science

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATH 32A - Calculus of Several Variables

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

The Major

Complete the four requirements—physical and life science, social science and humanities, practicum/sustainability talks, and minor or concentration, as follows:

Physical and Life Sciences Requirements

Complete five courses as follows:

ENVIRON 175 - Programming with Big Environmental Datasets

ADDITIONAL PHYSICAL AND LIFE SCIENCES COURSES

Select four courses from the following physical and life sciences areas. No more than two courses may be from any one department.

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 102 - Climate Change and Climate Modeling

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI 107 - Biological Oceanography

A&O SCI 112 - Climate Change Assessment

A&O SCI 121 - Climate Mitigation Solutions

A&O SCI 123 - Climate Adaptation Solutions

A&O SCI 130 - California's Ocean

A&O SCI 141 - Introduction to Atmospheric Chemistry and Air Pollution

C&EE 153 - Introduction to Environmental Engineering Science

C&EE 154 - Chemical Fate and Transport in Aquatic Environments

C&EE M166 - Environmental Microbiology

EPS SCI 101 - Earth's Energy: Diminishing Fossil Resources and Prospects for Sustainable Future

EPS SCI C113 - Biological and Environmental Geochemistry

EPS SCI 119 - Continental Drift and Plate Tectonics

EPS SCI 139 - Engineering and Environmental Geology

EPS SCI 150 - Remote Sensing for Earth Sciences

EPS SCI 153 - Oceans and Atmospheres

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 109 - Introduction to Marine Science

EE BIOL 116 - Conservation Biology

EE BIOL 136 - Ecological Restoration

EE BIOL 151A - Tropical Ecology

EE BIOL 154 - California Ecosystems

ENVIRON 157 - Energy, Environment, and Development

ENV HLT 100 - Introduction to Environmental Health

ENV HLT C125 - Atmospheric Transport and Transformations of Airborne Chemicals

ENV HLT C152D - Properties and Measurement of Airborne Particles

GEOG 101 - Principles of Geomorphology

GEOG M102 - Soils and Environment

GEOG M103 - Soil and Water Conservation

GEOG 107 - Forest Ecosystems

GEOG M110 - Ecosystem Ecology

GEOG 116 - Climatology

GEOG 117 - Tropical Climatology

GEOG M118 - Applied Climatology: Principles of Climate Impact on Natural Environment

GEOG 120 - Hydrology

GEOG M126 - Environmental Change

GEOG 133 - Humid Tropics

Social Sciences and Humanities Requirements

Complete three courses as follows:

ENVIRON 140 - Foundations of Environmental Policy and Regulation

ADDITIONAL SOCIAL SCIENCES AND HUMANITIES COURSES

Select two courses from:

ANTHRO 132 - Anthropology of Environment

ANTHRO 133 - Anthropology of Food

A&O SCI 121 - Climate Mitigation Solutions

A&O SCI 123 - Climate Adaptation Solutions

ENGL 118E - Literature and Environment

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M133 - Environmental Sociology

ENVIRON M147 - Critical Analysis of Strategies toward Environmental Justice

ENVIRON 150 - Environmental Journalism, Science Communications, and New Media

ENVIRON M153 - Introduction to Sustainable Architecture and Community Planning

ENVIRON 155 - Energy and Society in Time of Climate Change: Moving toward Just Transition

ENVIRON 157 - Energy, Environment, and Development

ENVIRON C159 - Life-Cycle Assessment

ENVIRON M161 - Global Environment and World Politics

ENVIRON 162 - Entrepreneurship and Finance for Environmental Scientists

ENVIRON 163 - Business and Natural Environment

ENVIRON M164 - Environmental Politics and Governance

ENVIRON 166 - Leadership in Water Management

ENVIRON M167 - Environmental Justice through Multiple Lenses

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 130 - Food and Environment

GEOG 138 - Wildlife Conservation in Eastern and Southern Africa

GEOG M142 - (When) Do Leaders Make Differences?

GEOG 160 - Urban Geography

GEOG 171C - Metropolitan Los Angeles

PHILOS 125 - Philosophy of Science: Contemporary

PUB AFF M160 - Urban Sustainability

SOC GEN 141 - Nature versus Nurture: Genes and Environment

URBN PL 121 - Urban Policy and Planning

Practicum/Sustainability Talks Requirements

Complete the following four courses:

ENVIRON 180A - Practicum in Environmental Science

ENVIRON 180B - Practicum in Environmental Science

ENVIRON 180C - Practicum in Environmental Science

ENVIRON 185A - Sustainability Talks

Minor and Concentration Requirements

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. Successful completion of a minor is indicated on the transcript and diploma.

ATMOSPHERIC AND OCEANIC SCIENCES MINOR

Complete seven 4-unit courses as follows. Other relevant courses from related disciplines may be substituted with prior approval of the department. At least five courses approved for the minor must be upper-division. One course may be taken on a Passed/Not Passed basis.

Atmospheric and Oceanic Sciences

Select three courses from:

A&O SCI M100 - Earth and Its Environment

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 102 - Climate Change and Climate Modeling

A&O SCI 103 - Physical Oceanography

A&O SCI 104 - Fundamentals of Air and Water Pollution

A&O SCI M105 - Introduction to Chemical Oceanography

A&O SCI M106 - Applied Climatology: Principles of Climate Impact on Natural Environment

A&O SCI 107 - Biological Oceanography

A&O SCI C110 - Advanced Dynamic and Synoptic Meteorology

A&O SCI C111 - Introduction to Machine Learning for Physical Sciences

A&O SCI 112 - Climate Change Assessment

A&O SCI CM114A - Aquatic Geomicrobiology: Metabolisms

A&O SCI C115 - Mesometeorology

A&O SCI M120 - Introduction to Fluid Dynamics

A&O SCI 121 - Climate Mitigation Solutions

A&O SCI 123 - Climate Adaptation Solutions

A&O SCI 130 - California's Ocean

A&O SCI 135 - Ocean Change in the Anthropocene

A&O SCI 141 - Introduction to Atmospheric Chemistry and Air Pollution

A&O SCI C144 - Atmospheric Boundary Layer

A&O SCI 145 - Atmospheric Physics: Radiation, Clouds, and Aerosols

A&O SCI 150 - Atmospheric and Oceanic Sciences Laboratory

A&O SCI 155 - Introduction to Ecosystem-Atmosphere Interactions

A&O SCI C160 - Remote Sensing of Atmosphere and Oceans

A&O SCI C170 - Introduction to Solar System Plasmas

A&O SCI 180 - Numerical Methods in Atmospheric Sciences

Additional Courses

Four additional courses, two of which must be upper-division, from any of the above atmospheric and oceanic sciences courses beyond the minimum four required or selected from the following. Atmospheric and Oceanic Sciences 186 must be taken twice. Only one course from Ecology and Evolutionary Biology 123A or 123B may be applied.

A&O SCI 1 - Climate Change: From Puzzles to Policy

A&O SCI 2 - Air Pollution

A&O SCI 3 - Meteorology and Extreme Weather

A&O SCI 186 - Operational Meteorology

CHEM 103 - Environmental Chemistry

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM 110B - Topics in Physical Chemistry

CHEM 113A - Physical Chemistry: Introduction to Quantum Mechanics

CHEM C113B - Quantum Chemistry Methods

CHEM 114 - Physical Chemistry Laboratory

EPS SCI 15 - Blue Planet: Introduction to Oceanography

EE BIOL 109 - Introduction to Marine Science

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL 122 - Ecology

EE BIOL 123A - Field Marine Ecology

EE BIOL 123B - Field Marine Ecology

EE BIOL 147 - Biological Oceanography

EE BIOL 148 - Biology of Marine Plants

MATH 115A - Linear Algebra

MATH 115B - Linear Algebra

MATH 132 - Complex Analysis for Applications

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

MATH 146 - Methods of Applied Mathematics

MATH 170A - Probability Theory I

MATH 170B - Probability Theory II

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS 112 - Thermal Physics

PHYSICS M122 - Introduction to Plasma Science and Engineering

PHYSICS 131 - Mathematical Methods of Physics

PHYSICS 132 - Mathematical Methods of Physics

CONSERVATION BIOLOGY MINOR

Complete Ecology and Evolutionary Biology 100, 116, and four to six additional courses.

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

Additional Courses

Select four to six courses from the following list or any courses associated with the Field Biology Quarter or the Marine Biology Quarter or approved equivalent. A maximum of two Geography courses may be applied to the minor.

EE BIOL 100L - Introduction to Ecology and Behavior Laboratory

EE BIOL 101 - Marine Botany

EE BIOL 103 - Plant Diversity and Evolution

EE BIOL 105 - Biology of Invertebrates

EE BIOL 109 - Introduction to Marine Science

EE BIOL 109L - Introduction to Marine Science Laboratory

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 113AL - Herpetology Laboratory

EE BIOL 114A - Ornithology

EE BIOL 114B - Field Ornithology

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL C119B - Modeling in Ecological Research

EE BIOL 122 - Ecology

EE BIOL M127 - Soils and Environment

EE BIOL 129 - Animal Behavior

EE BIOL M131 - Ecosystem Ecology

EE BIOL 140 - Biology of Marine Mammals

EE BIOL 142 - Aquatic Communities

EE BIOL 143 - Viral Ecology and Evolution

EE BIOL 144 - Prehistoric California

EE BIOL 144L - Prehistoric California Laboratory

EE BIOL C146 - Conservation Genetics

EE BIOL 149 - Evolutionary Genomics

EE BIOL 151A - Tropical Ecology

EE BIOL 152 - World Vegetation Ecology and Ecophysiology

EE BIOL 153 - Physics and Chemistry of Biotic Environments

EE BIOL 154 - California Ecosystems

EE BIOL 155 - Community Ecology

EE BIOL 161 - Plant Ecology

EE BIOL 162 - Plant Physiology

EE BIOL 162L - Plant Physiology and Ecophysiology Laboratory

EE BIOL 168 - Global Change Ecology

EE BIOL C174 - Comparative Biology and Macroevolution

EE BIOL 176 - Ecological Ethics

EE BIOL 180A - Seminar: Biology and Society

EE BIOL 180B - Seminar: Biology and Society

EE BIOL 183 - Finding Ecological Solutions to Environmental Problems

EE BIOL 184 - Evolution, Development, and Disease

GEOG M103 - Soil and Water Conservation

GEOG 106 - World Vegetation

GEOG 107 - Forest Ecosystems

GEOG 116 - Climatology

GEOG 117 - Tropical Climatology

GEOG M118 - Applied Climatology: Principles of Climate Impact on Natural Environment

GEOG M126 - Environmental Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 133 - Humid Tropics

EARTH AND ENVIRONMENTAL SCIENCE MINOR

Select five courses from:

EPS SCI 101 - Earth's Energy: Diminishing Fossil Resources and Prospects for Sustainable Future

EPS SCI 112 - Structural Geology

EPS SCI C113 - Biological and Environmental Geochemistry

EPS SCI 139 - Engineering and Environmental Geology

EPS SCI 150 - Remote Sensing for Earth Sciences

EPS SCI 153 - Oceans and Atmospheres

ENVIRONMENTAL ENGINEERING MINOR

Complete Civil Engineering 153 and five additional courses.

C&EE 153 - Introduction to Environmental Engineering Science

Additional Courses

Select five from the following list. Credit for both Chemical Engineering 102A and Mechanical and Aerospace Engineering 105A is not allowed.

CH ENGR 100 - Fundamentals of Chemical and Biomolecular Engineering

C&EE 110 - Introduction to Probability and Statistics for Engineers

C&EE 150 - Introduction to Hydrology

C&EE 151 - Introduction to Water Resources Engineering

C&EE 152 - Hydraulic and Hydrologic Design

C&EE 154 - Chemical Fate and Transport in Aquatic Environments

C&EE 155 - Unit Operations and Processes for Water and Wastewater Treatment

C&EE 156A - Environmental Chemistry Laboratory

C&EE 156B - Environmental Engineering Unit Operations and Processes Laboratory

C&EE 157A - Hydrologic Modeling

C&EE 157B - Design of Water Treatment Plants

C&EE 157C - Design of Wastewater Treatment Plants

C&EE 157L - Hydrologic Analysis

C&EE C159 - Green Infrastructure

C&EE C164 - Sustainable Waste Management

C&EE M165 - Environmental Nanotechnology: Implications and Applications

C&EE M166 - Environmental Microbiology

MECH&AE 103 - Elementary Fluid Mechanics

MECH&AE 105A - Introduction to Engineering Thermodynamics

ENVIRONMENTAL HEALTH CONCENTRATION

Complete Epidemiology 100, two courses from Environmental Health Sciences, and three additional courses.

EPIDEM 100 - Principles of Epidemiology

Environmental Health Sciences

Select two courses from:

ENV HLT 100 - Introduction to Environmental Health

ENV HLT C135 - Environmental Policy for Science and Engineering

ENV HLT C185A - Foundations of Environmental Health Sciences

ENV HLT C185B - Foundations of Environmental Health Sciences for Public Health Professionals

Additional Courses

Select three courses from:

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

ENV HLT C125 - Atmospheric Transport and Transformations of Airborne Chemicals

ENV HLT C140 - Fundamentals of Toxicology

ENV HLT C152D - Properties and Measurement of Airborne Particles

ENV HLT C157 - Risk Assessment and Standard Setting

ENV HLT C164 - Fate and Transport of Organic Chemicals in Aquatic Environment

ENV HLT 203 - Seminar: Ecotoxicology

ENVIRONMENTAL SYSTEMS AND SOCIETY MINOR

Select seven courses from:

ENVIRON M111 - Earth and Its Environment

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M126 - Environmental Change

ENVIRON M131 - Human Impact on Biophysical Environment

ENVIRON M133 - Environmental Sociology

ENVIRON 134 - Environmental Economics with Data Analysis

ENVIRON 140 - Foundations of Environmental Policy and Regulation

ENVIRON M147 - Critical Analysis of Strategies toward Environmental Justice

ENVIRON 150 - Environmental Journalism, Science Communications, and New Media

ENVIRON M153 - Introduction to Sustainable Architecture and Community Planning

ENVIRON 155 - Energy and Society in Time of Climate Change: Moving toward Just Transition

ENVIRON 157 - Energy, Environment, and Development

ENVIRON C159 - Life-Cycle Assessment

ENVIRON M161 - Global Environment and World Politics

ENVIRON 162 - Entrepreneurship and Finance for Environmental Scientists

ENVIRON 163 - Business and Natural Environment

ENVIRON M164 - Environmental Politics and Governance

ENVIRON 166 - Leadership in Water Management

ENVIRON M167 - Environmental Justice through Multiple Lenses

ENVIRON 175 - Programming with Big Environmental Datasets

GEOGRAPHY/ENVIRONMENTAL STUDIES MINOR

Complete three required courses and two additional upper-division geography courses.

Required Geography Courses

Select three courses from:

GEOG M102 - Soils and Environment

GEOG M103 - Soil and Water Conservation

GEOG 109 - Biogeography of Plant and Animal Invasions

GEOG M118 - Applied Climatology: Principles of Climate Impact on Natural Environment

GEOG M125 - Environmentalism: Past, Present, and Future

GEOG M126 - Environmental Change

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 130 - Food and Environment

GEOG M131 - Human Impact on Biophysical Environment

GEOG 133 - Humid Tropics

GEOG 136 - Health and Global Environment

GEOG 138 - Wildlife Conservation in Eastern and Southern Africa

GEOG 139B - Problems in Geography: Biogeography

GEOG 139C - Problems in Geography: Culture and Environment in Modern World

Additional Geography Courses

Complete any two additional upper-division geography courses (except those from the preceding list and courses 194 through 199).

Honors Program

The honors program provides exceptional students an opportunity for advanced research and study, under the guidance of a faculty member, that leads to the completion of an honors thesis or research project. To qualify for graduation with honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division coursework in the major and an overall GPA of 3.0 or better, (3) complete at least 8 units of Environment 198 taken over at least two terms, and (4) produce a completed satisfactory honors thesis. The honors thesis or research project is in addition to the requirement of the completed practicum in environmental science project. Contact the student affairs officer for more information.

ENVIRON 198 - Honors Research in Environmental Science

Policies

Preparation for the Major Policies

Each course applied toward requirements for preparation for the major must be passed with a grade of C- or better. Students receiving a grade below C- in two courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

Each course applied toward requirements for the major, except Environment 185A, must be taken for a letter grade. Students must maintain an overall grade-point average of 2.0 (C) or better in all courses

applied toward the major.

Minor

Environmental Systems and Society Minor

College / School

College of Letters and Science

Department

Environment and Sustainability, Institute of the

Level

Undergraduate

Overview

The Environmental Systems and Society minor is designed for students who wish to augment their major program of study with courses addressing the relationships between environmental science and associated social and political issues. The minor seeks to impart a deeper understanding of environmental systems related to air, land, and water resources, providing a basis for sound professional decision making.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average) and file a petition at the Institute of the Environment and Sustainability, 300 La Kretz Hall, 310-206-9193.

Minor Requirements

The Minor

Lower-Division Courses (8 units)

Select at least two courses from:

- ASTR 3 - Nature of the Universe
- A&O SCI 1 - Climate Change: From Puzzles to Policy
- A&O SCI 2 - Air Pollution
- A&O SCI 3 - Meteorology and Extreme Weather
- EPS SCI 1 - Introduction to Earth Science
- EPS SCI 15 - Blue Planet: Introduction to Oceanography
- EPS SCI 16 - Major Events in History of Life
- EPS SCI 20 - Natural History of Southern California
- EE BIOL 10 - Plants and Civilization
- EE BIOL 25 - Living Ocean
- ENVIRON M1A - Food: Lens for Environment and Sustainability

ENVIRON M1B - Food: Lens for Environment and Sustainability

ENVIRON 10 - Introduction to Environmental Science

ENVIRON 12 - Sustainability and Environment

ENVIRON 25 - Good Food for Everyone: Health, Sustainability, and Culture

ENVIRON M30 - Environmental Literature and Culture

ENVIRON M30SL - Environmental Literature and Culture (Service Learning)

GEOG 1 - Earth's Physical Environment

GEOG 2 - Biodiversity in Changing World

GEOG 5 - People and Earth's Ecosystems

Upper-Division Courses (20 units)

Select at least five courses from:

ENVIRON M111 - Earth and Its Environment

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M126 - Environmental Change

ENVIRON M131 - Human Impact on Biophysical Environment

ENVIRON M133 - Environmental Sociology

ENVIRON 134 - Environmental Economics with Data Analysis

ENVIRON 140 - Foundations of Environmental Policy and Regulation

ENVIRON M147 - Critical Analysis of Strategies toward Environmental Justice

ENVIRON 150 - Environmental Journalism, Science Communications, and New Media

ENVIRON M153 - Introduction to Sustainable Architecture and Community Planning

ENVIRON 155 - Energy and Society in Time of Climate Change: Moving toward Just Transition

ENVIRON 157 - Energy, Environment, and Development

ENVIRON C159 - Life-Cycle Assessment

ENVIRON M161 - Global Environment and World Politics

ENVIRON 162 - Entrepreneurship and Finance for Environmental Scientists

ENVIRON 163 - Business and Natural Environment

ENVIRON M164 - Environmental Politics and Governance

ENVIRON 166 - Leadership in Water Management

ENVIRON M167 - Environmental Justice through Multiple Lenses

ENVIRON 175 - Programming with Big Environmental Datasets

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units applied toward the minor must be taken in residence at UCLA. Transfer or substitution of credit for any of the above is subject to institute approval; consult with an academic adviser at the institute before enrolling in any courses for the minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Doctor of Environmental Science and Engineering

College / School

College of Letters and Science

Department

Environment and Sustainability, Institute of the

Degree Level

Graduate

Degree Objective

Doctor of Environmental Science and Engineering

Overview

The Environmental Science and Engineering (DEnv) professional doctorate program was founded in 1973 by Nobel laureate Dr. Willard Libby, who perceived a need to train environmental scientists, engineers, and policymakers in a more interdisciplinary manner than is afforded by traditional PhD programs. The program is designed with an appropriate balance of breadth and specific skills, based on a strong master's-level foundation in a science or engineering discipline. The curriculum consists of formal coursework across a full spectrum of relevant physical, biological, social, and engineering disciplines, as well as interdisciplinary research training and an off-campus residency where students complete their dissertation embedded in an agency, business, or non-profit organization. UCLA remains unique in the country in awarding the Doctor of Environmental Science and Engineering degree.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Environment and Sustainability MS, PhD

College / School

College of Letters and Science

Department

Environment and Sustainability, Institute of the

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Overview

The Environment and Sustainability PhD program was launched in 2018. The program equips students with diverse perspectives to develop profound new ideas, knowledge and answers to the most important concerns facing people and the planet. The program provides a deep understanding of how fundamental principles of environmental science and sustainability can be applied to research and address key environmental challenges that require skills in multiple disciplines—preparing students for a range of careers in academia, as well as public and private sectors. To promote interdisciplinarity as the core of the program's identity, each student's program of study and dissertation research are guided by two advisors from distinct areas of research and scholarship.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Environmental Health Sciences Overview

You're now viewing the 2024-25 Catalog

Jonathan and Karin Fielding School of Public Health

16-035 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Environmental Health Sciences
310-206-1619

Rachael M. Jones, MPH, PhD, *Chair*

The Department of Environmental Health Sciences focuses its research and educational activities on the protection of human health from biological, chemical, mechanical, and physical hazards in the environment. Its graduates are scientists, professionals, and leaders capable of identifying and measuring stressors of environmental concern; evaluating the health, environmental, and all other impacts of such stressors; developing means for their effective management; and evaluating alternative policies directed at improving and protecting health and the environment. Such training is accomplished through several degree programs that offer specialized study in selected academic areas of environmental health sciences such as air pollution, environmental chemistry, environmental policy, toxicology, built environment and health, climate and health, global environmental health, water quality, occupational health, and industrial hygiene. Graduates of the department pursue careers in the private or public sector as researchers, educators, managers, policymakers, and/or practitioners.

The department offers Master of Science (MS) and Doctor or Science (PhD) degrees in Environmental Health Sciences and, through the Fielding School of Public Health, the Master of Public Health (MPH) degree with a specialization in environmental health sciences (see **Public Health schoolwide programs**). The department also offers an area of focus on industrial hygiene for its MS and MPH

degrees. A concurrent degree program (Environmental Health Sciences MPH/Master of Urban and Regional Planning) is also offered. The interdepartmental **Molecular Toxicology** program offers a Doctor of Philosophy (PhD) degree.

Environmental Health Sciences Faculty Roster

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Professors

Jesus A. Araujo, MD, PhD
Michael D. Collins, PhD
Jared M. Diamond, PhD
Michael L. Jerrett, PhD
Rachael M. Jones, MPH, PhD
Jian Li, PhD
Timothy Malloy, JD *(Frank G. Wells Endowed Professor of Environmental Law)*
André E. Nel, MBChB, PhD
Shane S. Que Hee, PhD
Beate R. Ritz, MD, PhD
Wendie A. Robbins, RN, PhD, FAAN *(Audrienne H. Moseley Professor of Biological Nursing Science)*
Linda Rosenstock, MD, MPH
Irwin H. Suffet, PhD
Yifang Zhu, PhD

Professors Emeriti

Richard F. Ambrose, PhD
Brian L. Cole, DrPH
Climis A. Davos, PhD

Curtis D. Eckhert, PhD
Richard J. Jackson, MD, MPH
Robert A. Mah, PhD
Jane L. Valentine, PhD
Arthur M. Winer, PhD

Associate Professors

Alan I. Barreca, PhD
Feng Gao, PhD
Kirsten Schwarz, PhD
Candace Su-Jung Tsai, ScD

Assistant Professors

Lara J. Cushing, MPH, PhD *(Jonathan and Karin Fielding Presidential Professor of Health Equity)*
Miriam E. Marlier, PhD

Adjunct Professors

Pouran D. Faghri, MD
Daniel Z. Uslan, MD

Adjunct Associate Professor

Kevin Y. Njabo, PhD

Adjunct Assistant Professors

Hamid Arabzadeh, CIH
Angelo J. Bellomo, MS
Tao Huai, PhD

Major

Environmental Health Sciences MS, PhD

College / School

Jonathan and Karin Fielding School of Public Health

Department

Environmental Health Sciences

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Epidemiology Overview

You're now viewing the 2024-25 Catalog

Jonathan and Karin Fielding School of Public Health

71-254 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Epidemiology
310-825-8579

Zuo-Feng Zhang, MD, PhD, *Chair*
Matthew J. Mimiaga, PhD, *Vice Chair*
Beate R. Ritz, MD, PhD, *Vice Chair*

Epidemiology is the study of the distribution and determinants of disease in human populations. Epidemiologists study variations of disease incidence in relation to factors such as age, sex, race, environmental factors, lifestyle, demographic variables, occupational and social characteristics, place of residence, susceptibility, exposure to specific agents, or other pertinent characteristics. Also of concern are the temporal and special distribution of disease, examination of trends, and intervals between exposure to causative factors and onset of disease. The scope of the field extends from study of the patterns of disease to the causes of disease with the goal of the control or prevention of disease. What distinguishes epidemiology from other clinical sciences is the focus on health problems in populations rather than in individuals, with the focus on public health.

Epidemiology is a young field with constantly expanding boundaries. The range of activities includes identifying determinants of population health, investigation and control of disease outbreaks, study of environmental and industrial hazards, evaluation of preventive or curative programs or treatments, and evaluation of the effectiveness and efficiency of intervention or control strategies. Many tools of epidemiology are shared with other fields such as microbiology, immunology, medicine, statistics, demography, and medical geography.

There is a growing core of epidemiologic methodology that includes the principles of study design and conduct, and statistical methods. Epidemiologic tools have become relevant for many other fields that study groups of people, e.g., genetics and epigenetics, global health, pharmacology, medicine, and many others.

Epidemiologists work in many settings, including academia, international health agencies, state and local health departments, federal government agencies and health programs, health maintenance organizations, and numerous research projects privately and publicly sponsored.

Mission

The objectives of the Department of Epidemiology fall into three broad categories—research, teaching, and community service. In each of these realms, the department affirms its committment to developing leaders and evidence-based solutions; and to working in partnership with communities to promote health and well-being in ways that are innovative, respectful, and inclusive.

Epidemiology Faculty Roster

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Professors

Onyebuchi A. Arah, MD, PhD
Timothy F. Brewer, MD
Liwei Chen MD, MPH, PhD
Susan D. Cochran, MS, PhD
Anne L. Coleman, MD, PhD *(Bradley R. Straatsma Endowed Professor of Opthalmology)*
Pamina M. Gorbach, MHS, DrPH
Nina T. Harawa, MPH, PhD, *in Residence*
S. Jody Heymann, MD, PhD
Robert J. Kim-Farley, MD, MPH, *in Residence*
Niklas Krause, MD, MPH, PhD
Sung-Jae Lee, PhD, *in Residence*
Jian Li, MD, PhD
Li Li, PhD, *in Residence*
Otoniel M. Martinez-Maza, PhD
Matthew J. Mimiaga, MPH, MA, ScD
Jian Yu Rao, MD
Anne W. Rimoin, PhD *(Gordon-Levin Endowed Professor of Infectious Diseases and Public Health)*
Beate R. Ritz, MD, PhD
Teresa E. Seeman, PhD
Dallas T. Swendeman, PhD, *in Residence*
Ondine S. von Ehrenstein, MSc, MPH, PhD
Zuo-Feng Zhang, MD, PhD

Professors Emeriti

Lawrence R. Ash, PhD
Roger Detels, MD, MS
Ralph R. Frerichs, DVM, DrPH
Sander Greenland, DrPH, MA, MS
Leeka I. Kheifets, MH, PhD
Karin B. Michels, MPH, PhD, ScD
Frank J. Sorvillo, MPH, PhD

Associate Professors

Su Yon Jung, MPH, PhD
Elizabeth Rose Mayeda, MPH, PhD
Akihiro Nishi, MD, DrPH

Assistant Professors

Alexandra M.L. Binder, MS, ScD, *in Residence*
Jonathan P. Jacobs, MD, PhD, *in Residence*
Roch A. Nianogo, MD, MPH, PhD
Marissa J. Seamans, PhD

Adjunct Professors

Najib Aziz, MD
Julia N. Bailey, PhD
Sharon Balter, MD
Brian D. Bradbury, MA, DsC
Catherine L. Carpenter, PhD
John D. Clemens, MD
Mia Hashibe, PhD
Marjan Javanbakht, PhD
Kamyar Kalantar-Zadeh, MD, PhD
Peter Katona, MD
Peter R. Kerndt, MD, MPH
Tony Y. Kuo, MD
Vontanak Saphonn, PhD
Paul A. Simon, MD, MPH
Lisa V. Smith, MS, DrPH
Noel S. Weiss, MD, DrPH
Nathan D. Wong, PhD

Adjunct Associate Professors

Akhila Balasubramanian, PhD
Ross I. Donaldson, MD, MPH
Julia E. Heck, PhD
Christie Y. Jeon, PhD
Dvora L. Joseph Davey, MPH, PhD
Annette K. Regan, MPH, MSc, PhD
Shira C. Shafir, MPH, PhD
Amy R. Wohl, PhD

Adjunct Assistant Professors

Emily S. Beeler, PhD
Maral E. DerSarkissian, PhD
Paul J. Dluzniewski, MPH, PhD
Adva Gadoth-Goodman, MPH, PhD
Naomi H. Greene, PhD
Nicole A. Hoff, MPH, PhD
Paul T. Hsu, MPH, PhD
Elani Streja, PhD
Sheena G. Sullivan, MD, PhD
Ximena P. Vergara, PhD
Anjie Zhen, PhD

Major

Epidemiology MS, PhD

College / School

Jonathan and Karin Fielding School of Public Health

Department

Epidemiology

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Ethnomusicology Overview

You're now viewing the 2024-25 Catalog

Herb Alpert School of Music

2520 Schoenberg Music Building
Box 951657
Los Angeles, CA 90095-1657

Ethnomusicology
310-825-8381

E-mail Contact

Roger W.H. Savage, DPhil, *Chair*

Ethnomusicology entails the study of all kinds of music from across the world, drawing upon a variety of disciplinary perspectives. The Department of Ethnomusicology, the largest and first of its kind at a U.S. university, offers courses on music from virtually every region of the world, courses on the music of diverse groups in the U.S., and courses on popular music and film music. Many courses focus on how musical art and practice relate to other aspects of culture, society, politics, and economics. Courses are also given on the philosophy and aesthetics of music. In addition to lecture courses, the department offers performance ensemble courses in several world and American music traditions. Most of the performance courses are also open to nonmajors. Many academic courses are open to nonmajors and prior knowledge of music is not expected or required. The Ethnomusicology Department aspires to promote productive collaborations between performance and scholarship, to advance cross-cultural global understandings of music, and to provide preparatory training for a broad range of careers in music after students graduate.

Ethnomusicology Faculty Roster

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Professors

Cheryl L. Keyes, PhD
Mark L. Kligman, PhD *(Mickey Katz Endowed Professor of Jewish Music)*
Steven J. Loza, PhD
Anna F. Morcom, PhD *(Mohindar Brar Sambhi Endowed Professor of Indian Music)*
Helen M. Rees, PhD
Roger W.H. Savage, DPhil
Timothy D. Taylor, PhD

Professors Emeriti

Jacqueline Cogdell DjeDje, PhD
Charlotte A. Heth, PhD
William R. Hutchinson, PhD
Daniel M. Neuman, PhD *(Mohindar Brar Sambhi Endowed Professor Emeritus of Indian Music)*
James W. Newton, Jr.
James W. Porter, MA
Timothy Rice, PhD
Hiromi Lorraine Sakata, PhD
Anthony Seeger, PhD

Associate Professor

Münir N. Beken, PhD

Lecturers

Francis Kofi Akotuah
Marc T. Bolin, PhD
David M. Bragger, BA
Benjamin G. Doleac, PhD
Jésus A. Guzmán
Pejman A. Hadadi, BA
Hermann Hudde, PhD
Gamin Kang, DMA
Guangming Li, PhD
Janice Mautner Markham, MA
Behzad Nadimi, DMA
Soheil Nadimi, BA
Rahul D. Neuman, BS
Robert F. Reigle, PhD
Miles Shrewsbery, BA
Joko Sutrisno, BA
Diane L. White-Clayton, PhD

Adjunct Professors

Amy R. Catlin-Jairazbhoy, PhD
Abhiman Kaushal
Chi Li, BA
Maureen A. Russell, MLS, MA, CPhil

Adjunct Associate Professors

I Nyoman Wenten, PhD
Supeena Insee Adler, PhD

Major

Ethnomusicology BA

College / School
Herb Alpert School of Music

Department
Ethnomusicology

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The undergraduate major in Ethnomusicology emphasizes general world music, performance/composition, public ethnomusicology, and scholarly research. Admission requires an audition/interview. The major provides students with a wide-ranging liberal arts education in music. At its

core, this includes (1) comprehensive knowledge of music cultures of the world; (2) understanding of the interrelationship of music, society, and culture; (3) grounding in the basics of Western music theory and musicianship; and (4) the experience of playing in one or several musical ensembles from various traditions around the world.

Beyond the core and emphasis requirements, students in the world music concentration may, through elective courses, prepare for a variety of career goals, including the study of ethnomusicology in graduate school, composing and performing music, working in the music industry, serving society in the nonprofit sector, or becoming a K through 12 music teacher.

Capstone Major

The Ethnomusicology major is a designated capstone major. The capstone project is individualized to each student and requires a creative process either through music performance/composition, a research project, or an internship with a self-reflective journal detailing the process. Through that process, students are expected to demonstrate a broad knowledge base and competency in performance, writing, and/or composition and ability to apply knowledge and experience to the specific requirements of the capstone; conceive and successfully complete a project that is expressive of their specific interests and acquired expertise; and display, through written documentation or live presentation, the requisite communication and, in some cases, teamwork required by work in this field.

Learning Outcomes

1. Demonstrated broad knowledge and competency in performance, writing, and/or composition
2. Demonstrated ability to apply knowledge and experience to capstone requirements

3. Conception and successful completion of a project that is individually expressive of the student's specific interests and acquired expertise

4. Written document or live presentation that displays requisite communication and teamwork required by work in the field

Entry to the Major

Admission

Applicants are reviewed individually, based on a questionnaire, grade-point average, two letters of recommendation, test scores, a personal statement of purpose, and an on-campus interview/audition. Applicants who are unable to travel to UCLA have the option of a Skype interview/audition.

Major Requirements

Preparation for the Major

Musicianship

Complete the following courses with grades of C– or better:

- ETHNMUS M6A - Introduction to Global Musicianship
- ETHNMUS M6B - Introduction to Musicianship
- ETHNMUS M6C - Introduction to Musicianship

Musical Cultures of the World

Complete the following courses with grades of C or better:

- ETHNMUS 20A - Musical Cultures of World: Europe and Americas
- ETHNMUS 20B - Musical Cultures of World: Africa and Near East
- ETHNMUS 20C - Musical Cultures of World: Asia

Music Theory

Complete the following courses with grades of C or better:

MUSC 20A - Music Theory I

MUSC 20B - Music Theory II

MUSC 20C - Music Theory III

World Music Performance Organizations, Private Instruction in Music, and World Music Specializations

Select 12 units from the following:

WORLD MUSIC PERFORMANCE ORGANIZATIONS

Ethnomusicology 91A through 91Z

PRIVATE INSTRUCTION IN MUSIC

ETHNMUS 92 - Private Instruction in Music

WORLD MUSIC SPECIALIZATIONS

Ethnomusicology 68A through 68Z

The Major

Ethnomusicology 175 or 181

Select one course from:

ETHNMUS 175 - Sociology of Music

ETHNMUS 181 - Anthropology of Music

Ethnomusicology 183

Complete the following course:

ETHNMUS 183 - Study of Ethnomusicology

Performance

Select 12 units from:

ADVANCED WORLD MUSIC PERFORMANCE ORGANIZATIONS

Ethnomusicology 161A through 161Z

ADVANCED PRIVATE INSTRUCTION IN MUSIC

ETHNMUS 162 - Advanced Private Instruction in Music

ADVANCED WORLD MUSIC SPECIALIZATIONS

Ethnomusicology 168A through 168Z

Electives

Complete a minimum of eight upper-division ethnomusicology courses (32 to 36 units).

Capstone

Complete a capstone project in either performance/composition, public ethnomusicology, scholarly research, or other potential emphasis concepts in consultation with a faculty adviser.

PERFORMANCE/COMPOSITION CAPSTONE

Students must fulfill the capstone final project requirement (4 units) through a public recital (performance). Students must enroll in Ethnomusicology 199 (2 units) and pass a recital permission jury. Instrumental and vocal performers must present a portion of their recital performance, and composers must present excerpts from their recital scores in front of two faculty members. Students also enroll in Ethnomusicology 186 (2 units) during the term in which they perform their recital or their composition(s) are performed.

ETHNMUS 186 - Senior Recital or Project

ETHNMUS 199 - Directed Research or Senior Project in Ethnomusicology

PUBLIC ETHNOMUSICOLOGY CAPSTONE

Students must fulfill the capstone internship requirement, which consists of 8 units of Ethnomusicology 195B, in an institution approved by the faculty sponsor. Students must write a final research paper (at least 10 pages) at the completion of each internship.

ETHNMUS 195B - Community or Corporate Internships in Public Ethnomusicology

SCHOLARLY RESEARCH CAPSTONE

Students must write a capstone thesis (25 to 30 pages) and enroll in Ethnomusicology 199 (2 units minimum) for at least one term while writing the thesis.

ETHNMUS 199 - Directed Research or Senior Project in Ethnomusicology

INDEPENDENT CAPSTONE

In consultation with a faculty adviser, students can propose capstone projects in other potential emphasis concepts such as technologies, film scoring, interactive arts, dance, and more. Students must enroll in Ethnomusicology 199 (2 units minimum).

ETHNMUS 199 - Directed Research or Senior Project in Ethnomusicology

Policies

Preparation for the Major Policies

All entering first years are required to take the Music Theory Assessment Examination either during New Student Sessions or during zero week of fall quarter. The examination score is used to determine eligibility and placement in first-year music core courses (Ethnomusicology M6A, M6B, M6C, and Music 20A, 20B, 20C). Examination results may require enrollment in Music 3 as a requisite to both Ethnomusicology M6A and Music 20A. Entering transfer students with fewer than 15 units of prior music theory must take the Music Theory Assessment Examination.

Minor

Ethnomusicology Minor

College / School
Herb Alpert School of Music

Department
Ethnomusicology

Level

Undergraduate

Overview

The Ethnomusicology minor is designed for students who wish to augment their major program with a group of related courses that provide a systematic introduction to the study of world music and performance.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and be in good academic standing, have completed one lower-division course with a grade of C or better, and have successfully completed at least two (2) quarters of the same lower-division ensemble course (Ethnomusicology 91A though 91Z).

Optional focus in Iranian music: Students must select 91L as the lower-division ensemble course.

Minor Requirements

The Minor

Lower-Division Courses (9-10 units)

Complete two courses as follows:

ETHNOMUSICOLOGY 5 OR M25

Select one course from:

- ETHNMUS 5 - Music Around World
- ETHNMUS M25 - Global Pop

ADDITIONAL COURSE

Select one course from:

- ETHNMUS 7 - Introduction to Music and Culture of Iran
- ETHNMUS 15 - American Life in Music
- ETHNMUS 30 - Music and Media
- ETHNMUS M35 - Blues, Society, and American Culture
- ETHNMUS 40 - Music and Religion
- ETHNMUS 45 - Music of Bollywood and Beyond
- ETHNMUS M50A - Jazz in American Culture: Late 19th Century through 1940s

ETHNMUS M50B - Jazz in American Culture: 1940s to Present

ETHNMUS 60 - J.S. Bach in His World and Ours

ETHNMUS M73 - Music and Religion in Popular Culture

ETHNMUS M110A - African American Musical Heritage

ETHNMUS M110B - African American Musical Heritage

Upper-Division Courses (22 units)

Complete seven courses as follows:

ETHNMUS 101 - Introduction to Ethnomusicology

PERFORMANCE ENSEMBLE

Complete three courses (6 units) from the same performance ensemble course:

Ethnomusicology 161A through 161Z

UPPER-DIVISION ELECTIVES

Complete three upper-division elective courses from the department. No more than one course from 195A to 199 may be applied to the minor.

Optional Focus in Iranian Music

Students completing the minor with the optional focus in Iranian music should select Ethnomusicology C141, 142, 143, and three courses (6 units) of 161L.

ETHNMUS C141 - Music of Turkey and Iran

ETHNMUS 142 - Music and Culture in Afghanistan and Central Asia

ETHNMUS 143 - Musical Traditions around Iran: Baluchistan, Kurdistan, Azerbaijan, and Iraq

ETHNMUS 161L - Advanced World Music Performance Organizations: Music of Persia

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Iranian Music Minor

College / School
Herb Alpert School of Music

Department
Ethnomusicology

Level
Undergraduate

Overview

The Iranian Music minor is designed for students who wish to augment their major program with a group of related courses that provide a systematic introduction to the study of Iranian music, performance, and culture.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (grade-point average of 2.0 or better), and have completed Ethnomusicology 5 or M25, 8, 91L, with grades of C or better.

Minor Requirements

The Minor

Lower-Division Courses (11 units)

Complete three courses as follows:

ETHNOMUSICOLOGY 5 OR M25

Select one course from:

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

ETHNOMUSICOLOGY 8 AND 91L

Complete the following two courses:

ETHNMUS 8 - Current Practices in Iranian Music-Making

ETHNMUS 91L - World Music Performance Organizations: Music of Persia

Upper-Division Courses (20 units)

Complete six courses as follows:

ETHNOMUSICOLOGY 101

ETHNMUS 101 - Introduction to Ethnomusicology

ETHNOMUSICOLOGY 144

Must be taken twice.

ETHNMUS 144 - Special Topics in Iranian Music

ETHNOMUSICOLOGY 145 OR 163

Select one course from:

ETHNMUS 145 - Analyzing Rhythm in Persian Music

ETHNMUS 163 - Theory, Practice, and Improvisation in Iranian Music

ETHNOMUSICOLOGY 161L

Must be taken twice.

ETHNMUS 161L - Advanced World Music Performance Organizations: Music of Persia

Policies

The Minor Policies

A minimum of 31 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Ethnomusicology MA, CPhil, PhD

College / School
Herb Alpert School of Music

Department
Ethnomusicology

Degree Level

Graduate

Degree Objective

Master of Arts, Doctor of Philosophy, Candidate in Philosophy

Overview

The department offers MA and PhD degrees in Ethnomusicology, with a specialization in systematic musicology or music and anthropology. Both degree programs train students for future university teaching careers, as well as careers in library science and archiving, the music industry, public service, and music

technology. The department provides fellowships, teaching assistantships, and research assistantships for qualified students.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

European Languages and Transcultural Studies Overview

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College of Letters and Science

212 Royce Hall
Box 951539
Los Angeles, CA 90095-1539

European Languages and Transcultural Studies
310-825-1940

Todd S. Presner, PhD, ***Chair***

The department provides advanced training in the cultural and linguistic traditions of Europe, emphasizes the transcultural relations between countries, while also framing these relations in a much broader global historical context that transcends Europe as a geographic space. This approach to culture and society promises to improve the understanding of history and the challenges of 21st century globalized existence. Concentrating on the shared European roots is key, as is the goal of complicating the very idea of Europe by underscoring the transcultural and global qualities of this space, especially in terms of colonial and imperial legacies. Today, Europe is a geopolitical space in which thinking about diversity, human rights, and religious tolerance remains important. The ELTS majors and minors include language training, the study of culture, literature, film and media, and a focus on the new applied humanities (digital, environmental, medical, urban) in order to consider how these have altered our relationship to cultural analysis and production. The department also encourages study abroad, internship opportunities, and organize professionalization seminars.

Undergraduate Study

The department provides advanced training in the cultural and linguistic traditions of Europe, emphasizes the transcultural relations between these countries, while also framing these in a much broader global historical context that transcends Europe as a geographic space.

The department trains students to think critically, to develop writing and research skills, and to understand the power of language to pursue advanced research in a challenging intellectual and globalized world. Students are prepared for graduate school and careers in education, international law and business, the arts, media and journalism, international health organizations, advertising, management consultancy, diplomacy, and publishing.

The various Bachelor of Arts (BA) degrees offered in ELTS share common foundational courses across language traditions and offer students the opportunity to specialize in individual language tracks. The BA in ELTS includes language training, but allows students design an individualized curriculum structured around ELTS offerings, whereas the BA in ELTS with individual language tracks provides students with a background in Europe and also in the various fields of French, Germanic, and Italian. In French, Germanic (Dutch, German, Yiddish), and Italian, this includes the study of culture, literature, and society, enhancing the understanding of the many facets of European civilization. In Scandinavian and Nordic Studies (Denmark, Finland, Norway, and Sweden), students explore how this region forms a geographic bridge between the American and European continents and a political bridge between Western and Eastern Europe. Together, the degrees offer undergraduate students a broad, interdisciplinary understanding of Europe, with a robust knowledge of the cultures and histories of this region from a global and transdisciplinary and transcultural perspective.

Students considering a major or minor in the department should consult with the departmental undergraduate adviser as soon as possible in their university career in order to select courses to fulfill major or minor requirements. The approved list of courses for each category of major or minor requirements is available in the department office (212 Royce Hall) and on the department website.

Undergraduate Policies

No credit is allowed for completing a less advanced course after successful completion of a more advanced course in Danish, Dutch, Finnish, French, German, Italian, Norwegian, Swedish, and Yiddish grammar and/or composition.

Graduate Study

The graduate programs offer the Master of Arts (MA) degree and the Doctor of Philosophy (PhD) degree in French and Francophone Studies, Germanic Languages, and Italian; and an MA only in Scandinavian. Admission to graduate programs is prioritized for PhD degree applicants. They comprise advanced training in the various fields, as well as in literary criticism, cultural analysis, film studies, the applied humanities, and theory.

Subject Areas

European Languages and Transcultural Studies courses are in the following subject areas:

- **Dutch**
- **European Languages and Transcultural Studies**
- **French**
- **German**
- **Italian**
- **Scandinavian**
- **Yiddish**

European Languages and Transcultural Studies Faculty Roster

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Professors

John A. Agnew, PhD
Lia N. Brozgal, PhD
Massimo Ciavolella, PhD *(Franklin D. Murphy Professor of Italian Renaissance Studies)*
Maria (Maite) T. de Zubiaurre, PhD
Thomas J. Harrison, PhD
Eleanor K. Kaufman, PhD
David D. Kim, PhD
Kathleen L. Komar, PhD
Efraín Kristal, PhD
Alain M. Mabanckou, DEA
Laure Murat, Doctorat en Histoire
Todd S. Presner, PhD *(Michael and Irene Ross Endowed Professor of Yiddish Studies)*
Robert A. Rushing, PhD
Zrinka Stahuljak, PhD
Dominic R. Thomas, PhD *(Madeleine L. Letessier Professor of French and Francophone Studies)*
Stefania Tutino, PhD

Professors Emeriti

Luigi Ballerini, Dottore in Lettere
Marc J. Bensimon, PhD
Marianna D. Birnbaum, PhD
Jesse L. Byock, PhD
Jean-Claude Carron, Docteur ès Lettres
Patrick J. Coleman, PhD
Marga Cottino-Jones, PhD, Dottore in Lettere
Eric L. Gans, PhD
Robert S. Kirsner, PhD
Françoise Lionnet, PhD
Andrea N. Loselle, PhD
James R. Massengale, PhD
Sara E. Melzer, PhD
John A. McCumber, PhD
Mary Kay Norseng, PhD
Lucia Re, PhD, Dottore in Lettere
James A. Schultz, PhD
Ross P. Shideler, PhD
Malina Stefanovska, PhD
Edward F. Tuttle, PhD
Stephen D. Werner, PhD

Associate Professors

Chris J. Johanson, PhD
Arne O. Lunde, PhD
Peter J. Stacey, PhD
Yasemin Yildiz, PhD

Assistant Professors

Raphaelle J. Burns, PhD
Kalani B. Michell, PhD
Miriam Posner, PhD

Senior Lecturer SOE

Elissa A. Tognozzi, PhD*, Emerita*

Senior Lecturer

Kimberly Jansma, PhD*, Emerita*

Lecturers

Kimberly A. Ball, PhD
Maria (Cisca) F. Brier
Laurence M. Denié-Higney, PhD
Miriam R. Koral
Claire G. Lavagnino, PhD
Magdalena A. Tarnawska Senel, PhD
Hoang T.M. Truong, PhD
Patrick J. Wen, PhD

Major

European Languages and Transcultural Studies BA

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated advanced proficiency in one or more language offered in the department

2. Demonstrated proficiency in one of the areas of the experimental humanities (digital, environmental, medical, and urban)

3. Demonstrated deep understanding of European culture and history, including in a global context

4. Ability to interrogate, analyze, and discuss literary and filmic production

5. Evidence of strong oral and writing skills

Entry to the Major

Transfer Students

Transfer applicants to the European Language and Transcultural Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: completion of first-year level of Danish, Dutch, Finnish, French, German, Italian, Norwegian, Swedish, or Yiddish, and any one course on European literature, culture, film, or media.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

Language (Beginner Level)

Complete one course from the following or equivalent (completion of beginner level of Danish, Dutch, Finnish, French, German, Italian, Norwegian, Swedish, or Yiddish):

FRNCH 3 - Elementary French

GERMAN 3 - Elementary German

ITALIAN 3 - Elementary Italian—Continued

SCAND 3 - Elementary Swedish

European Literature, Language, Culture, or Film and Media

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Experimental Humanities (Digital, Environmental, Medical, Urban, and Community Engagement and Social Change)

Select one course from:

DIGITAL

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

DGT HUM 30 - Los Angeles Tech City: Digital Technologies and Spatial Justice

ENVIRONMENTAL

ENGL M30 - Environmental Literature and Culture

MEDICAL

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

EE BIOL 17 - Evolution for Everyone

HIST 3D - History of Modern Medicine

HNRS 1 - Plague Culture

HNRS 26 - Representing Medicine: Art, Literature, and Film

MCD BIO 60 - Biomedical Ethics

RELIGN 55 - Spirit of Medicine

URBAN

GERMAN 61A - Modern Metropolis: Berlin

The Major

Complete three area courses, six electives, and a capstone senior thesis as follows:

Areas

Select one course from three of the following four areas (total of three courses):

EUROPEAN LITERATURE

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 114B - Middle Ages: Medieval Humor, Moralism, and Society

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

EUROPEAN CULTURE

European Languages and Transcultural Studies

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 113 - German Folklore

GERMAN 114 - Fairy Tales and Fantastic

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 117 - German Exile Culture in Los Angeles

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 155 - Advanced German Language through Cultural History and Current Affairs

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND C131 - Introduction to Viking Age

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

EUROPEAN FILM AND MEDIA

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

GERMAN 157 - Contemporary German Cinema: Advanced Conversation and Composition

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

EXPERIMENTAL HUMANITIES

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

Electives

Select six courses from:

EUROPEAN LANGUAGES AND TRANSCULTURAL STUDIES

European Languages and Transcultural Studies 100 through 180

FRENCH

French 100 through 169

GERMAN

German 102 through 180

ITALIAN

Italian 100 through M158

SCANDINAVIAN

Scandinavian C131 through C185

Capstone Senior Thesis

During their senior year, students must also take European Language and Transcultural Studies 187 in which they complete a capstone senior thesis.

ELTS 187 - Capstone Seminar

Policies

The Major Policies

Student may apply no more than two courses or 8 units from other departments. Approval for outside courses must be petitioned with the undergraduate adviser of the department. Students may apply no more than 4 units of European Languages and Transcultural Studies 195, 197, and 199 as a substitution for one elective course. Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the major.

Major

European Languages and Transcultural Studies with French and Francophone BA

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated advanced proficiency in French
2. Demonstrated proficiency in one of the areas of the experimental humanities (digital, environmental, medical, and urban)
3. Demonstrated deep understanding of European culture and history, including in a global context, with a particular expertise in French
4. Ability to interrogate, analyze, and discuss literary and filmic production
5. Evidence of strong oral and writing skills

Entry to the Major

Transfer Students

Transfer applicants to the European Languages and Transcultural Studies with French and Francophone major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of French and any one course on European literature, culture, film, or media.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

French (Intermediate Level)

Complete the following course or equivalent:

FRNCH 6 - Intermediate French

European Literature, Language, Culture, or Film and Media

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Experimental Humanities (Digital, Environmental, Medical, Urban, and Community Engagement and Social Change)

Select one course from:

DIGITAL

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

DGT HUM 30 - Los Angeles Tech City: Digital Technologies and Spatial Justice

ENVIRONMENTAL

ENGL M30 - Environmental Literature and Culture

MEDICAL

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

EE BIOL 17 - Evolution for Everyone

HIST 3D - History of Modern Medicine

HNRS 1 - Plague Culture

HNRS 26 - Representing Medicine: Art, Literature, and Film

MCD BIO 60 - Biomedical Ethics

RELIGN 55 - Spirit of Medicine

URBAN

GERMAN 61A - Modern Metropolis: Berlin

The Major

Complete an advanced language course, three area courses, five electives, and a capstone senior thesis. In addition to the advanced language requirement, students are required to complete a minimum of three upper-division courses in the target language from the required and elective sequences.

Advanced Language Requirement

Select one course from:

FRNCH 100 - Written Expression: Techniques of Description and Narration

FRNCH 101 - Advanced Expository Writing: Techniques of Argumentation

Areas

Select one course from three of the following four areas (total of three courses):

EUROPEAN LITERATURE

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 114B - Middle Ages: Medieval Humor, Moralism, and Society

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

EUROPEAN CULTURE

European Languages and Transcultural Studies

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 113 - German Folklore

GERMAN 114 - Fairy Tales and Fantastic

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 117 - German Exile Culture in Los Angeles

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 155 - Advanced German Language through Cultural History and Current Affairs

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND C131 - Introduction to Viking Age

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

EUROPEAN FILM AND MEDIA

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

GERMAN 157 - Contemporary German Cinema: Advanced Conversation and Composition

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

EXPERIMENTAL HUMANITIES

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

Electives

Complete five courses as follows:

FRENCH 100 THROUGH 169

Select three courses from French 100 through 169:

French 100 through 169

ADDITIONAL ELECTIVES

Select two courses from:

European Languages and Transcultural Studies

European Languages and Transcultural Studies 100 through 180

French

French 100 through 169

German

German 102 through 180

Italian

Italian 100 through M158

Scandinavian

Scandinavian C131 through C185

Capstone Senior Thesis

During their senior year, students must also take European Language and Transcultural Studies 187 in which they complete a capstone senior thesis.

ELTS 187 - Capstone Seminar

Policies

The Major Policies

Student may apply no more than two courses or 8 units from other departments. Approval for outside courses must be petitioned with the undergraduate adviser of the department. Students may apply no more than 4 units of European Languages and Transcultural Studies 195, 197, and 199 as a substitution for one elective course. Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the major.

Major

European Languages and Transcultural Studies with German BA

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated advanced proficiency in German
2. Demonstrated proficiency in one of the areas of the experimental humanities (digital, environmental, medical, and urban)
3. Demonstrated deep understanding of European culture and history, including in a global context, with a particular expertise in German
4. Ability to interrogate, analyze, and discuss literary and filmic production
5. Evidence of strong oral and writing skills

Entry to the Major

Transfer Students

Transfer applicants to the European Languages and Transcultural Studies with German major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of German, and any one course in European literature, culture, film, or media.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

German (Intermediate Level)

Complete the following course or equivalent:

GERMAN 6 - Intermediate German

European Literature, Language, Culture, or Film and Media

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Experimental Humanities (Digital, Environmental, Medical, Urban, and Community Engagement and Social Change)

Select one course from:

DIGITAL

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

DGT HUM 30 - Los Angeles Tech City: Digital Technologies and Spatial Justice

ENVIRONMENTAL

ENGL M30 - Environmental Literature and Culture

MEDICAL

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

EE BIOL 17 - Evolution for Everyone

HIST 3D - History of Modern Medicine

HNRS 1 - Plague Culture

HNRS 26 - Representing Medicine: Art, Literature, and Film

MCD BIO 60 - Biomedical Ethics

RELIGN 55 - Spirit of Medicine

URBAN

GERMAN 61A - Modern Metropolis: Berlin

The Major

Complete an advanced language course, three area courses, five electives, and a capstone senior thesis. In addition to the advanced language requirement, students are required to complete a minimum of three upper-division courses in the target language from the required and elective sequences.

Advanced Language Requirement

Select one course from:

GERMAN 152 - Conversation and Composition on Contemporary German Culture and Society I

GERMAN 153 - Conversation and Composition on Contemporary German Culture and Society II

Areas

Select one course from three of the following four areas (total of three courses):

EUROPEAN LITERATURE

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 114B - Middle Ages: Medieval Humor, Moralism, and Society

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

EUROPEAN CULTURE

European Languages and Transcultural Studies

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 113 - German Folklore

GERMAN 114 - Fairy Tales and Fantastic

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 117 - German Exile Culture in Los Angeles

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 155 - Advanced German Language through Cultural History and Current Affairs

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND C131 - Introduction to Viking Age

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

EUROPEAN FILM AND MEDIA

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

GERMAN 157 - Contemporary German Cinema: Advanced Conversation and Composition

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

EXPERIMENTAL HUMANITIES

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

Electives

Complete five courses as follows:

GERMAN

Select three courses from:

German 102 through 180

ADDITIONAL ELECTIVES

Select two courses from:

European Languages and Transcultural Studies

European Languages and Transcultural Studies 100 through 180

French

French 100 through 169

German

German 102 through 180

Italian

Italian 100 through M158

Scandinavian

Scandinavian C131 through C185

Capstone Senior Thesis

During their senior year, students must also take European Language and Transcultural Studies 187 in which they complete a capstone senior thesis.

ELTS 187 - Capstone Seminar

Policies

Preparation for the Major Policies

Students who have completed one year of college-level German language courses should enroll in course 4. Students who are in doubt as to their level of language proficiency or who are native speakers should consult with the language program supervisor.

The Major Policies

Student may apply no more than two courses or 8 units from other departments. Approval for outside courses must be petitioned with the undergraduate adviser of the department. Students may apply no more than 4 units of European Languages and Transcultural Studies 195, 197, and 199 as a substitution for one elective course. Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the major.

Major

European Languages and Transcultural Studies with Italian BA

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated advanced proficiency in Italian
2. Demonstrated proficiency in one of the areas of the experimental humanities (digital, environmental, medical, and urban)
3. Demonstrated deep understanding of European culture and history, including in a global context, with a particular expertise in Italy
4. Ability to interrogate, analyze, and discuss literary and filmic production
5. Evidence of strong oral and writing skills

Entry to the Major

Transfer Students

Transfer applicants to the European Languages and Transcultural Studies with Italian major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Italian, and any one course on European literature, culture, film, or media.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

Italian (Intermediate Level)

Complete the following course or equivalent:

ITALIAN 6 - Intermediate Italian

European Literature, Language, Culture, or Film and Media

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Experimental Humanities (Digital, Environmental, Medical, Urban, and Community Engagement and Social Change)

Select one course from:

DIGITAL

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

DGT HUM 30 - Los Angeles Tech City: Digital Technologies and Spatial Justice

ENVIRONMENTAL

ENGL M30 - Environmental Literature and Culture

MEDICAL

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

EE BIOL 17 - Evolution for Everyone

HIST 3D - History of Modern Medicine

HNRS 1 - Plague Culture

HNRS 26 - Representing Medicine: Art, Literature, and Film

MCD BIO 60 - Biomedical Ethics

RELIGN 55 - Spirit of Medicine

URBAN

GERMAN 61A - Modern Metropolis: Berlin

The Major

Complete an advanced language course, three area courses, five electives, and a capstone senior thesis. In addition to the advanced language requirement, students are required to complete a minimum of three upper-division courses in the target language from the required and elective sequences.

Advanced Language Requirement

Complete the following course:

ITALIAN 100 - Composition and Style

Areas

Select one course from three of the following four areas (total of three courses):

EUROPEAN LITERATURE

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 114B - Middle Ages: Medieval Humor, Moralism, and Society

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

EUROPEAN CULTURE

European Languages and Transcultural Studies

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 113 - German Folklore

GERMAN 114 - Fairy Tales and Fantastic

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 117 - German Exile Culture in Los Angeles

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 155 - Advanced German Language through Cultural History and Current Affairs

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND C131 - Introduction to Viking Age

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

EUROPEAN FILM AND MEDIA

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

GERMAN 157 - Contemporary German Cinema: Advanced Conversation and Composition

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

Scandinavian 161 through 167

EXPERIMENTAL HUMANITIES

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

Electives

Complete five courses as follows:

ITALIAN

Select three courses from:

Italian 102A through M158

ADDITIONAL ELECTIVES

Select two courses from:

European Languages and Transcultural Studies

European Languages and Transcultural Studies 100 through 180

French

French 100 through 169

German

German 102 through 180

Italian

Italian 102A through M158

Scandinavian

Scandinavian C131 through C185

Capstone Senior Thesis

During their senior year, students must also take European Language and Transcultural Studies 187 in which they complete a capstone senior thesis.

ELTS 187 - Capstone Seminar

Policies

The Major Policies

Student may apply no more than two courses or 8 units from other departments. Approval for outside courses must be petitioned with the undergraduate adviser of the department. Students may apply no more than 4 units of European Languages and Transcultural Studies 195, 197, and 199 as a substitution for one elective course. Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the major.

Major

European Languages and Transcultural Studies with Scandinavian BA

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated advanced proficiency in a Scandinavian language
2. Demonstrated proficiency on one of the areas of the experimental humanities (digital, environmental, medical, and urban)
3. Demonstrated deep understanding of European culture and history, including in a global context, with a particular expertise in the Scandinavian region
4. Ability to interrogate, analyze, and discuss literary and filmic production
5. Evidence of strong oral and writing skills

Entry to the Major

Transfer Students

Transfer applicants to the European Languages and Transcultural Studies with Scandinavian major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of either Swedish, Norwegian, or Danish, and any one course on European literature, culture, film, or media.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

Scandinavian (Intermediate Level)

Complete the following course or equivalent:

SCAND 6 - Intermediate Swedish

European Literature, Language, Culture, or Film and Media

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Experimental Humanities (Digital, Environmental, Medical, and Urban)

Select one course from:

DIGITAL

COM LIT 1E - Social Media and Storytelling: Comparing Cultures

DGT HUM 30 - Los Angeles Tech City: Digital Technologies and Spatial Justice

ENVIRONMENTAL

ENGL M30 - Environmental Literature and Culture

MEDICAL

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

EE BIOL 17 - Evolution for Everyone

HIST 3D - History of Modern Medicine

HNRS 1 - Plague Culture

HNRS 26 - Representing Medicine: Art, Literature, and Film

MCD BIO 60 - Biomedical Ethics

RELIGN 55 - Spirit of Medicine

URBAN

GERMAN 61A - Modern Metropolis: Berlin

The Major

Complete an advanced language course, three area courses, five electives, and a capstone senior thesis.

Areas

Select one course from three of the following four areas (total of three courses):

EUROPEAN LITERATURE

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND C147B - Soren Kierkegaard

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

EUROPEAN CULTURE

European Languages and Transcultural Studies

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 113 - German Folklore

GERMAN 114 - Fairy Tales and Fantastic

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 117 - German Exile Culture in Los Angeles

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

EUROPEAN FILM AND MEDIA

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

EXPERIMENTAL HUMANITIES

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

Electives

Complete six courses as follows:

SCANDINAVIAN

Select four courses from:

Scandinavian C131 through C185

ADDITIONAL ELECTIVES

Select two courses from:

European Languages and Transcultural Studies

European Languages and Transcultural Studies 100 through 180

European Languages and Transcultural Studies 191

French

French 100 through 169

German

German 104 through 175

Italian

Italian 100 through M158

Scandinavian

Scandinavian C131 through C185

Capstone Senior Thesis

During their senior year, students must also take European Language and Transcultural Studies 187 in which they complete a capstone senior thesis.

ELTS 187 - Capstone Seminar

Policies

The Major Policies

Student may apply no more than two courses or 8 units from other departments. Approval for outside courses must be petitioned with the undergraduate adviser of the department. Students may apply no more than 4 units of European Languages and Transcultural Studies 195, 197, and 199 as a substitution for one elective course. Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the major.

Students who are interested in Danish, Finnish, and Norwegian language instruction may enroll in these courses at other UC campuses through distance learning, and may petition to apply these courses to the major requirements.

Major

Nordic Studies BA

College / School
College of Letters and Science

Department
European Languages and Transcultural Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Nordic Studies major is a designated capstone major. Under the guidance of faculty members, students are required to devise, research, and complete either a substantial research paper, film/video, or a website that reflects significant engagement with a challenging question in the realm of Nordic studies.

Through their capstone work, all students are expected to demonstrate their skills in articulating a clear and sophisticated research question, devising a realizable set of research goals, deploy their advanced knowledge of a Nordic language to access target language research materials and incorporate them into the research corpus, devise an appropriate modality for the final project, present a concise engaging public presentation of their research and respond to questions, and archive their project in an appropriate form.

Learning Outcomes

1. Demonstrated commanded of the linguistic and cultural diversity of the Nordic region
2. Demonstrated command of the economics, politics, environments, and histories of the Nordic region
3. Demonstrated specific skills and expertise, including research, analysis, and writing
4. Demonstrated understanding of the role of the Nordic region in global context, and the impact of global phenomena on the region
5. Identification, evaluation, and analysis of appropriate primary sources
6. Working knowledge of scholarly discourse from broad range of disciplines
7. Conception and execution of a project that identifies and engages with a specialized topic
8. Engagement with peers through presentation, discussion, and critique of student work

Major Requirements

The Major

Complete nine courses from the following tracks and one capstone senior course. As an option, four upper-division courses in a related field may be taken if approved in advanced by the undergraduate adviser. In general, the courses must include significant content related to the Nordic region.

Tracks

Select nine courses from the following five tracks, with at least one course in four of the tracks:

EARLY NORDIC LITERATURES AND CULTURES

- ELTS 150 - European Folk and Fairy Tales
- ELTS 151 - Valkyries and Dragonslayers: Völsung/Nibelung Tradition
- SCAND C131 - Introduction to Viking Age
- SCAND C133A - Saga
- SCAND 134 - Scandinavian Mythology
- SCAND C137 - Old Norse Literature and Society
- SCAND 138 - Vikings

THEORY, GENRES, AND AUTHORS

- SCAND C141A - Theory of Scandinavian Novel
- SCAND 141C - Short Story in Scandinavia
- SCAND 142A - Introduction to Nordic Theater and Drama
- SCAND 143C - Scandinavian Crime Literature
- SCAND C145A - Henrik Ibsen
- SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

LITERARY PERIODS

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCANDINAVIAN CINEMA

SCAND 161 - Introduction to Nordic Cinema

SCAND C163A - Introduction to Danish Cinema

SCAND C166A - Ingmar Bergman

SCAND C166C - Carl Dreyer

CULTURAL STUDIES

ELTS 167 - European Identities in Classic Hollywood and Los Angeles, 1924-1950

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

SCAND C180 - Literature and Scandinavian Society

Capstone

Complete the following senior capstone course under the direction of a faculty member:

ELTS 187 - Capstone Seminar

Minor

European Languages and Transcultural Studies Minor

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Level

Undergraduate

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete two courses as follows:

LANGUAGE (BEGINNER LEVEL)

Complete one course from the following or equivalent:

FRNCH 3 - Elementary French

GERMAN 3 - Elementary German

ITALIAN 3 - Elementary Italian—Continued

SCAND 3 - Elementary Swedish

EUROPEAN LITERATURE, LANGUAGE, CULTURE, OR FILM AND MEDIA

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Required Upper-Division Courses (20 units)

Complete five courses as follows:

AREAS

Select three upper-division courses from three of the following four areas:

European Literature

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

European Culture

European Languages and Transcultural Studies 112

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

European Film and Media

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

Experimental Humanities

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

ELECTIVES

Select two elective courses (minimum 8 units) from:

European Languages and Transcultural Studies

European Languages and Transcultural Studies 100 through 180

French

French 100 through 169

German

German 102 through 180

Italian

Italian 100 through M158

Scandinavian

Scandinavian C131 through C185

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

European Languages and Transcultural Studies with French and Francophone Minor

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Level

Undergraduate

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete two courses as follows:

FRENCH (INTERMEDIATE LEVEL)

Complete the following course or equivalent:

FRNCH 6 - Intermediate French

EUROPEAN LITERATURE, LANGUAGE, CULTURE, OR FILM AND MEDIA

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Required Upper-Division Courses (20 units)

Complete five courses as follows. One upper-division required course must be taught in French.

AREAS

Select three upper-division courses from three of the following four areas:

European Literature

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

European Culture

European Languages and Transcultural Studies 112

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

European Film and Media

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

Experimental Humanities

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

ELECTIVES

Complete two upper-division elective courses (minimum 8 units) from French.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

European Languages and Transcultural Studies with German Minor

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Level

Undergraduate

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete two courses as follows:

GERMAN (INTERMEDIATE LEVEL)

Complete the following course or equivalent:

GERMAN 6 - Intermediate German

EUROPEAN LITERATURE, LANGUAGE, CULTURE, OR FILM AND MEDIA

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Required Upper-Division Courses (20 units)

Complete five courses as follows. One upper-division required course must be taught in German.

AREAS

Select three upper-division courses from three of the following four areas:

European Literature

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

European Culture

European Languages and Transcultural Studies 112

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

European Film and Media

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

Experimental Humanities

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

ELECTIVES

Complete two upper-division elective courses (minimum 8 units) from German.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

European Languages and Transcultural Studies with Italian Minor

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Level

Undergraduate

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (8 units)

Complete two courses as follows:

ITALIAN (INTERMEDIATE LEVEL)

Complete the following course or equivalent:

ITALIAN 6 - Intermediate Italian

EUROPEAN LITERATURE, LANGUAGE, CULTURE, OR FILM AND MEDIA

Select one course from:

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 16 - Society And Self in Early Modern France

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50A - Masterpieces of Italian Literature in English: Middle Ages to Baroque

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

SCAND 40 - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 40W - Heroic Journey in Northern Myth, Legend, and Epic

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SCAND 60W - Introduction to Nordic Cinema

Required Upper-Division Courses (20 units)

Complete five courses as follows. One upper-division required course must be taught in Italian.

AREAS

Select three upper-division courses from three of the following four areas:

European Literature

French

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 136 - French and Francophone Autobiography

FRNCH 163 - French and Francophone Short Story in Translation

FRNCH 164 - French and Francophone Novel in Translation

FRNCH 166 - French and Francophone Autobiography in Translation

German

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 158 - Introduction to Study of Literature

GERMAN 170 - Goethe and World Literature

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

Italian

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

ITALIAN 150 - Modern Fiction in Translation

Scandinavian

SCAND C133A - Saga

SCAND 134 - Scandinavian Mythology

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND 143A - Scandinavian Detective Fiction

SCAND 143C - Scandinavian Crime Literature

SCAND C145A - Henrik Ibsen

SCAND C145B - Knut Hamsun

SCAND C146A - August Strindberg

SCAND 147A - Hans Christian Andersen

SCAND C147B - Soren Kierkegaard

SCAND 147C - Karen Blixen

SCAND 154 - Romanticism

SCAND C155 - Modern Breakthrough

SCAND 157 - Contemporary Nordic Literature

SCAND 172A - Nordic Folk and Fairy Tales

SCAND C180 - Literature and Scandinavian Society

SCAND C185 - Seminar: Scandinavian Literature

European Culture

European Languages and Transcultural Studies 112

ELTS 112 - Medieval Foundations of European Civilization

French

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 130 - Contemporary French and Francophone Cultures

FRNCH 137 - French and Francophone Intellectual History

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 160 - Francophone Cultures in English

FRNCH 167 - French and Francophone Intellectual History in Translation

FRNCH 169 - Paris: Study of French Capital in Translation

German

GERMAN 102 - War, Politics, Art

GERMAN 109 - Jewish Question and German Thought

GERMAN 115 - 19th-Century German Philosophy

GERMAN 116 - 20th-Century German Philosophy

GERMAN 118SL - Between Memory and History: Interviewing Holocaust Survivors

GERMAN 154 - Business German

GERMAN 159 - German Cultural Studies

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

Italian

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 122 - Italian Theater

ITALIAN 123 - Modern Italian Cultural Studies

ITALIAN 124 - Food and Literature in Italy

ITALIAN 125 - Italian through Opera

ITALIAN 152 - Italy between Europe and Africa

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

Scandinavian

SCAND 133C - Social Network Analysis and Icelandic Family Saga

SCAND 134 - Scandinavian Mythology

SCAND C137 - Old Norse Literature and Society

SCAND 138 - Vikings

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND C171 - Introduction to Scandinavian Folklore

SCAND 172A - Nordic Folk and Fairy Tales

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

European Film and Media

French

FRNCH 141 - French Cinema

FRNCH 142 - Francophone Cinema

German

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

Italian

ITALIAN 121 - Literature and Film

Scandinavian

Scandinavian 161 through 167

Experimental Humanities

Community Engagement and Social Change

CESC 100XP - Perspectives on Civic Engagement for Social Justice

CESC 172XP - Community-Engaged Research to Address Health Disparities

Comparative Literature

COM LIT 180 - Variable Topics: Medical Humanities in Comparative Contexts

COM LIT 180SL - Variable Topics: Medical Humanities in Comparative Contexts and Community-Based Learning

Classics

CLASSIC 148 - Early Greek Medicine and Thought

Digital Humanities

Digital Humanities 101 through 151

English

ENGL 118E - Literature and Environment

ENGL M118F - Food Cultures and Food Politics

European Languages and Transcultural Studies

ELTS C101XP - Between Los Angeles and Europe: New Approaches to Transatlantic European Studies

Food Studies

FOOD ST M176XP - Making Films about Food

Italian

ITALIAN 124 - Food and Literature in Italy

Public Affairs

PUB AFF M176XP - Making Films about Food

ELECTIVES

Complete two upper-division elective courses (minimum 8 units) from Italian.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Scandinavian Minor

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Level

Undergraduate

Entry to the Minor

Admission

To enter the Scandinavian minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Courses (28 units)

Complete any seven Scandinavian courses, two of which may be lower-division courses selected from Scandinavian 1 through 50.

LOWER-DIVISION SCANDINAVIAN COURSES

Scandinavian 1 through 50

Scandinavian 1 through 50

EUROPEAN LANGUAGES AND TRANSCULTURAL STUDIES

The following courses may be substituted for one of the seven required Scandinavian courses:

ELTS 150 - European Folk and Fairy Tales

ELTS 151 - Valkyries and Dragonslayers: Völsung/Nibelung Tradition

ELTS 167 - European Identities in Classic Hollywood and Los Angeles, 1924-1950

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

French and Francophone Studies MA, CPhil, PhD

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Candidate in Philosophy, Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Germanic Languages MA, CPhil, PhD

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Graduate

Degree Objective

Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Italian MA, CPhil, PhD

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Arts, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Scandinavian MA

College / School

College of Letters and Science

Department

European Languages and Transcultural Studies

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Family Medicine Overview

You're now viewing the 2024-25 Catalog

David Geffen School of Medicine

50-071 Center for Health Sciences
Box 951683
Los Angeles, CA 90095-1683

Family Medicine
310-825-8234

Gerardo Moreno, MD, MS, FAAFP, *Chair*
Michelle Anne Bholat, MD, MPH, *Vice Chair, Clinical Affairs*
Martin A. Quan, MD, *Vice Chair, Academic Affairs*
Steven J. Shoptaw, MD, *Vice Chair, Research*
Denise K.C. Sur, MD, *Vice Chair, Education*

The Department of Family Medicine provides all students with a basic introduction to family-centered care in both the inpatient and ambulatory settings. During the basic clerkship, students develop an appreciation of the breadth and scope of family medicine, a basic knowledge in the broad content areas of family medicine, and fundamental clinical skills appropriate to family medicine, including the coordination and management of patients with multiple chronic diseases. The overall goal is to provide students with the opportunity to gain an understanding and appreciation of the central role of family physicians in the healthcare system, and to offer advanced clinical training for those students interested in pursuing careers in family medicine. Further, the basic curriculum includes an overview of healthcare issues facing underserved and immigrant populations in urban America.

For more details on the Department of Family Medicine, see the **department website**.

Family Medicine **faculty information** is available from the department.

Fiat Lux Overview

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College of Letters and Science

A265 Murphy Hall
Box 951571
Los Angeles, CA 90095-1571

Fiat Lux
310-267-5430
Program e-mail

Jennifer A. Jay, PhD, *Chair*

The *Fiat Lux* curriculum provides an intellectual space for faculty and students to explore new and interdisciplinary areas of topics within an intimate seminar setting.

The ***Fiat Lux* Seminar Program** is a unique educational initiative that allows faculty to broadly explore any topic and subject area while also connecting with first-year students. The *Fiat Lux* subject area and *Fiat Lux* 19 provide faculty with an intellectual space to explore new or interdisciplinary areas and topics that may be beyond their home academic department. Under the course number 19, *Fiat Lux* seminars may be offered in all academic departments.

Fiat Lux Faculty Committee

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Jonathan M. Aurnou, PhD *(Earth, Planetary, and Space Sciences)*
Kathleen Bawn, PhD *(Political Science)*
Scott H. Chandler, PhD *(Integrative Biology and Physiology)*
Lily Chen-Hafteck, PhD *(Music)*
Juliana K. Gondek, MM *(Music)*
Jennifer A. Jay, PhD *(Civil and Environmental Engineering, Environment and Sustainability)*
Kathleen L. Komar, PhD *(Comparative Literature, European Languages and Transcultural Studies)*

Film, Television, and Digital Media Overview

You're now viewing the 2024-25 Catalog

School of Theater, Film, and Television

103 East Melnitz Building
Box 951622
Los Angeles, CA 90095-1622

Film, Television, and Digital Media
310-206-3516
Department e-mail

Amy Villarejo, PhD, *Chair*

The Department of Film, Television, and Digital Media is dedicated to advancing the art and craft of media making and research in an increasingly complex and technology driven world. The department believes that innovative filmmaking and a critical understanding of media culture are necessary catalysts for social change. The department seek to cultivate a diverse body of students, empowering them to engage with different modes of thinking and creating and to contribute to social change through the collaborative arenas of media creation and intellectual inquiry.

For current or specific information about the programs and faculty members, see the **department website**.

Film, Television, and Digital Media Faculty Roster

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Professors

Steven F. Anderson, MFA, PhD
Michael S. Berry, PhD
Barbara Boyle, JD
Kristy M. Guevara-Flanagan, MFA
George J. Huang, MFA
Erkki I. Huhtamo, PhD
Gina Kim, MFA
Deborah Nadoolman Landis, PhD *(David C. Copley Professor of Costume Design)*
John W. Mamer, PhD
Purnima Mankekar, PhD
Denise R. Mann, PhD
William C. McDonald, MFA
Kathleen A. McHugh, PhD
Sean A. Metzger, PhD
Phyllis A. Nagy, BFA
Chon A. Noriega, PhD
Kriss S. Ravetto-Biagioli, PhD
Teri E. Schwartz, MA
Charles E. Sheetz, MFA
Amy Villarejo, PhD
C. Fabian Wagmister, MFA

Professors Emeriti

Jerzy Antczak, MA
Janet L. Bergstrom, PhD
Nicholas K. Browne, EdD
John T. Caldwell, PhD
Gyula Gazdag, MFA
A.P. Gonzalez, MA
Stephen D. Mamber, PhD
Barbara Marks
Celia L. Mercer, MFA
Nancy Richardson, MFA
Robert Rosen, MA
Becky J. Smith, MA
Vivian Sobchack, PhD
Howard Suber, PhD

Associate Professors

Shelleen M. Greene, PhD
Juan Pablo González, MFA
Arne O. Lunde, PhD
Ellen C. Scott, PhD
Jasmine N. Trice, PhD
Shawn G. VanCour, PhD

Assistant Professors

Rory M. Kelly, MFA
Veronica A. Paredes, PhD

Lecturers SOE

Harold L. Ackerman, MA, *Emeritus*
Mark McCarty, MA, *Emeritus*

Lecturers

William J. Barminski
Jill L. Goldsmith, JD, MFA
Hans-Martin Liebing, MFA
Thomas A. Nunan III, BA
Mark E. Rosman, BA
John W. Yoon, MFA
Kris T. Young, MFA

Adjunct Professors

Liza Johnson, MFA
Patricia B. Rozema

Major

Film and Television BA

College / School

School of Theater, Film, and Television

Department

Film, Television, and Digital Media

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The undergraduate Film and Television major encourages development of a personal vision that incorporates creative, practical, intellectual, and aesthetic values. Within the context of a liberal arts education, the program provides a broad background in the field and in the diversity of film and television

practice, including courses in history and theory, critical thinking, animation, screenwriting, and the fundamentals of film, video, and television production.

Capstone Major

The Film and Television major is a designated capstone major. Undergraduate students are required to complete one departmentally sponsored internship course as well as coursework related to the senior thesis concentration area. All courses, including capstone senior thesis projects, involve work shopping individual projects. Group participation in the creation and production of each student's project is core to the curriculum. Specific student learning objectives vary based on concentration area.

Learning Outcomes

1. Production of scholarly and artistic work in the areas of history, criticism, and theory of film, television, and digital media
2. Mastery of fundamentals of preproduction, production, and postproduction of film, television, and digital media
3. Demonstrated advanced understanding of one or more areas of study in cinema and media studies, filmmaking, screenwriting, animation, digital media, and producing

Entry to the Major

Admission

Students are admitted for fall quarter only. Admission is highly competitive, and only a limited number of students can be accepted each year. In addition to the UC Application for Admission and Scholarships,

first-year and transfer applicants must submit a School of Theater, Film, and Television supplemental application. For information about the supplemental application, see the major website .

Transfer Students

Transfer applicants to the Film and Television major with 90 or more units must meet UCLA transfer requirements and, before arriving at UCLA, must complete the School of Theater, Film, and Television general education requirements by either (1) taking college courses that satisfy the school general education requirements or (2) completing the Intersegmental General Education Transfer Curriculum (IGETC) at a California community college or (3) achieving UC reciprocity through completion of general education requirements at another UC campus while a student there.

In addition to the UC Application for Admission and Scholarships, transfer applicants must submit a School of Theater, Film, and Television supplemental application. For information about the supplemental application, see the major website .

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete seven courses as follows:

Film and Television

Complete the following six courses:

- FILM TV 4 - Introduction to Art and Technique of Filmmaking
- FILM TV 6A - History of American Motion Picture
- FILM TV 10A - American Television History
- FILM TV 33 - Introductory Screenwriting
- FILM TV 51 - Digital Media Studies
- FILM TV 84A - Overview of Contemporary Film Industry

Theater

Select one course from:

- THEATER 10 - Introduction to Theater
- THEATER 15 - Introduction to Directing
- THEATER 20 - Acting Fundamentals
- THEATER 28A - Acting, Voice, and Movement Workshop I
- THEATER 28B - Acting, Voice, and Movement Workshop I
- THEATER 28C - Acting, Voice, and Movement Workshop I
- THEATER 30 - Dramatic Writing

The Major

Required Courses

Complete seven courses, including either Film and Television 106B or 106C.

- FILM TV 101A - Junior Symposium
- FILM TV 106B - History of European Motion Picture
- FILM TV 106C - History of African, Asian, and Latin American Film
- FILM TV 134 - Intermediate Screenwriting Workshop
- FILM TV 150 - Cinematography
- FILM TV 154 - Film Editing
- FILM TV 155 - Introduction to Digital Media and Tools
- FILM TV 163 - Directing Cameras

Cinema and Media Studies Elective

Select one course from:

- FILM TV 107 - Experimental Film
- FILM TV 108 - History of Documentary Film

FILM TV 109 - Advanced Topics in Documentary: New Documentary Forms

FILM TV M111 - Women and Film

FILM TV 112 - Film and Social Change

FILM TV 113 - Film Authors

FILM TV 114 - Film Genres

FILM TV M117 - Chicanos in Film/Video

FILM TV 122N - History of Animation in American Film and Television

Capstone Departmentally Sponsored Internship

Complete one capstone departmentally sponsored internship:

FILM TV 195 - Corporate Internships in Film, Television, and Digital Media

Senior Concentration of Advanced Film Coursework

Complete 20 units of advanced film coursework selected from any one of the following programs of study:

ANIMATION

FILM TV C181A - Introduction to Animation

FILM TV C181B - Writing for Animation

FILM TV C181C - Animation Workshop

CINEMA AND MEDIA STUDIES

Consult with faculty.

PRODUCTION/CINEMATOGRAPHY

FILM TV C118 - Intermediate Cinematography

FILM TV 153 - Motion Picture Lighting

FILM TV C157 - Lighting for Film and Television

FILM TV C158 - Digital Workflow

FILM TV 178 - Film and Television Production Laboratory

PRODUCTION/DOCUMENTARY

FILM TV C186A - Advanced Documentary Workshop

FILM TV C186B - Advanced Documentary Workshop

FILM TV C186C - Advanced Documentary Workshop

PRODUCTION/NARRATIVE DIRECTING

FILM TV 175A - Undergraduate Film Production

FILM TV 175B - Undergraduate Film Production

SCREENWRITING

FILM TV 135A - Advanced Screenwriting Workshop

FILM TV 135B - Advanced Screenwriting Workshop

FILM TV 135C - Advanced Screenwriting Workshop

Policies

The Major Policies

Courses taken to satisfy the senior concentration may not also be applied toward other course requirements in the major.

Students should be mindful of the exigencies inherent in filmmaking and be prepared to meet the additional demands of time and costs.

Students are required to perform assignments on each other's projects. In addition, the department reserves the right to hold for its own purposes examples of any work done in classes and to retain for distribution such examples as may be selected.

Minor

Film, Television, and Digital Media Minor

College / School

School of Theater, Film, and Television

Department

Film, Television, and Digital Media

Level

Undergraduate

Overview

The Film, Television, and Digital Media minor is designed for students who wish to augment their major program of study with a series of courses that promote the study of film, television, and digital media as art forms with social, political, cultural, and economic significance. The minor consists of a selection of lower and upper-division courses that introduce students to the practice and critical study of film, television, and digital media.

Entry to the Minor

Admission

To enter the minor students must have declared a major other than the Film and Television BA, be in good academic standing, have a minimum 3.0 grade-point average, have completed at least three film and television courses with grades of B or better, and file an application at the Student Services Office, 103 East Melnitz Building, 310-206-8441. For information about the minor, see the minor website. All degree requirements, including the specific requirements for this minor, must be fulfilled within the unit maximum set forth by each student's school or College.

Minor Requirements

The Minor

Required Lower-Division Courses (8 to 11 units)

Select two courses from:

- FILM TV 4 - Introduction to Art and Technique of Filmmaking
- FILM TV 6A - History of American Motion Picture
- FILM TV 10A - American Television History
- FILM TV 33 - Introductory Screenwriting
- FILM TV 34 - Introduction to Television Writing
- FILM TV M50 - Introduction to Visual Culture
- FILM TV 51 - Digital Media Studies
- FILM TV 84A - Overview of Contemporary Film Industry

Required Upper-Division Courses (20 to 28 units)

Select five courses from:

FILM TV 106B - History of European Motion Picture

FILM TV 106C - History of African, Asian, and Latin American Film

FILM TV 107 - Experimental Film

FILM TV 108 - History of Documentary Film

FILM TV 109 - Advanced Topics in Documentary: New Documentary Forms

FILM TV M111 - Women and Film

FILM TV 112 - Film and Social Change

FILM TV 113 - Film Authors

FILM TV 114 - Film Genres

FILM TV M117 - Chicanos in Film/Video

FILM TV 122D - Film Editing: Overview of History, Technique, and Practice

FILM TV 122E - Digital Cinematography

FILM TV 122J - Disney Feature: Then and Now

FILM TV 122M - Film and Television Directing

FILM TV 122N - History of Animation in American Film and Television

FILM TV 130 - Introduction to Speculative Television Writing

FILM TV 140 - Interactive Expression

FILM TV 146 - Art and Practice of Motion Picture Producing

FILM TV C181A - Introduction to Animation

FILM TV 183A - Producing I: Film and Television Development

FILM TV 183B - Producing II: Entertainment Economics

FILM TV 183C - Producing III: Marketing, Distribution, and Exhibition

FILM TV 184B - Overview of Contemporary Television Industry

FILM TV C186A - Advanced Documentary Workshop

FILM TV 187A - Global Film and Television Development

FILM TV 187B - Domestic and Global Entertainment Industry Careers and Strategies

FILM TV 187C - Scripted and Unscripted Series Development for Domestic and Global Streaming Services

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. All units applied toward the minor must be taken in residence at UCLA. Film and television courses taken at other institutions cannot be applied toward the minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Film and Television MA, CPhil, PhD

College / School

School of Theater, Film, and Television

Department

Film, Television, and Digital Media

Degree Level

Graduate

Degree Objective

Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Film and Television MFA

College / School

School of Theater, Film, and Television

Department

Film, Television, and Digital Media

Degree Level

Graduate

Degree Objective

Master of Fine Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Food Studies Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
College of Letters and Science

A316 Murphy Hall
Box 951571
Los Angeles, CA 90095-1571

Food Studies
E-mail contact

Amy C. Rowat, PhD, *Chair*

The Food Studies minor uses food—its production, preparation, sharing, consumption, and disposal—as a lens for understanding individual, sociocultural, and global issues. The study of the role of food in multiple complex aspects of life builds bridges across all areas of the academy, including arts, anthropology, environment and sustainability, folklore and mythology, geography, history, humanities, law, psychology, public health, public policy, and other fields.

Food Studies Faculty Committee

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Akhil Gupta, PhD *(Anthropology)*
Joseph F. Nagy, PhD *(English)*
Janet M. O'Shea, PhD *(World Arts and Cultures/Dance)*
Amy C. Rowat, PhD *(Integrative Biology and Physiology)*
Wendelin M. Slusser, MD, MS *(Community Health Sciences, Medicine–Pediatrics)*

Minor

Food Studies Minor

College / School
College of Letters and Science

Department
Food Studies

Level

Undergraduate

Overview

Through interdisciplinary courses and a capstone experience, students in the minor acquire a unique insight of food studies and emerge with a new intellectual framework for understanding this expanding area of study.

The capstone requirement gives students the opportunity to either put their studies into practice through internship or complete independent research in a food-related area of interest.

Entry to the Minor

Admission

To be eligible for the Food Studies minor, students must be in good academic standing (have an overall grade-point average of 2.0 or better) and have completed or be enrolled in one of the required elective courses for the minor. To apply, students must file an online application through MyUCLA. The application is open during weeks one through three of each academic quarter. See the minor website for more information.

Minor Requirements

The Minor

Required Elective Courses (24 to 27 units)

Select six courses from the following thematic groups, with at least one course from each thematic group:

SOCIAL, CULTURAL, AND HISTORICAL PERSPECTIVES

ANTHRO 133 - Anthropology of Food

ASIAN 135 - Asian Foodways across Borders

CHIN 185 - Food and Love in Chinese Culture

CLUSTER M1CW - Food: Lens for Environment and Sustainability—Special Topics

CESC M170XP - Food Studies and Food Justice in Los Angeles

COM HLT 48 - Nutrition and Food Studies: Principles and Practice

COM HLT 130 - Nutrition and Health

COM HLT 131 - Healthy Food Access in Los Angeles: History and Practice of Urban Agriculture

COM HLT 132 - Health, Disease, and Health Services in Latin America

ENGL 112E - Food and Fantasy in Irish Tradition and Literature

ENGL M118F - Food Cultures and Food Politics

ENVIRON 25 - Good Food for Everyone: Health, Sustainability, and Culture

FOOD ST 35 - Visual Representations of Food from Antiquity to Present

FOOD ST M79 - Food Politics: Cultural Solutions to Political Problems

FOOD ST M132 - Food Cultures and Food Politics

FOOD ST 133W - Historical Recipes and Recipe for History

FOOD ST M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

FOOD ST 159 - Food and Health in Global Perspective

FOOD ST M167 - Historical Sociology of Urban/Rural Relations and Food Production

FOOD ST M170XP - Food Studies and Food Justice in Los Angeles

FOOD ST M176XP - Making Films about Food

FOOD ST M177 - Superfoods: Cultural and Global Perspectives

FOOD ST M179 - Food Activism in Los Angeles: Narrating Pasts, Imagining Futures

FOOD ST 181 - Special Topics: Perspectives on Food and Society

FOOD ST 187 - Special Topics in Food Studies

FOOD ST 197 - Individual Studies in Foodways, Diet, and Nutrition

ITALIAN 42C - Italy Through the Ages in English: Food and Literature in Italy

ITALIAN 124 - Food and Literature in Italy

SOC GEN M132 - Food Cultures and Food Politics

SOC GEN 134 - Food and Health in Global Perspective

WL ARTS C129 - Food Customs and Symbolism

PERSPECTIVES FROM THE SCIENCES

CLUSTER M1CW - Food: Lens for Environment and Sustainability—Special Topics

COM HLT 48 - Nutrition and Food Studies: Principles and Practice

COM HLT 130 - Nutrition and Health

COM HLT 131 - Healthy Food Access in Los Angeles: History and Practice of Urban Agriculture

COM HLT 132 - Health, Disease, and Health Services in Latin America

ENVIRON 25 - Good Food for Everyone: Health, Sustainability, and Culture

FOOD ST 27 - Critical Thinking about Food and Science Publications

FOOD ST M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

FOOD ST M157 - Food: Molecules, Microbes, Environment

FOOD ST 159 - Food and Health in Global Perspective

FOOD ST 181 - Special Topics: Perspectives on Food and Society

FOOD ST 187 - Special Topics in Food Studies

FOOD ST 197 - Individual Studies in Foodways, Diet, and Nutrition

PHYSCI 7 - Science and Food: Physical and Molecular Origins of What We Eat

PHYSCI 128 - Me, Myself, and Microbes: The Microbiome in Health and Disease

PHYSCI 167 - Physiology of Nutrition

SOC GEN M132 - Food Cultures and Food Politics

SOC GEN 134 - Food and Health in Global Perspective

URBN PL M165 - Environmentalism: Past, Present, and Future

Required Capstone Course (4 units)

Select one course from:

FOOD ST 195CE - Community and Corporate Internships in Food Studies

FOOD ST 199 - Directed Research or Senior Project in Food Studies

Policies

The Minor Policies

The capstone course is required for completion of the minor. It must be the last course completed for the minor, after all other courses have been completed or concurrently with one remaining course requirement.

No more than two lower-division courses may be applied toward the minor. Students may petition to have courses other than those listed above under the required elective courses be applied toward the minor. Contact the academic counselor for the Food Studies minor for information on how to petition.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Gender Studies Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

1120 Rolfe Hall
Box 951504
Los Angeles, CA 90095-1504

Gender Studies
310-206-8101
Department e-mail

Sherene H. Razack, PhD, *Chair*

The Department of Gender Studies offers interdisciplinary academic programs that are both nationally and transnationally oriented.

Students develop critical reasoning and analytical skills, a deep appreciation for complexities of power and asymmetries in gender relations across time, class, and cultures, and conceptual tools for social change.

The Gender Studies curriculum challenges the pervasive theory/practice divide within the academy. In both undergraduate and graduate courses, students are taught a broad range of methodological and analytical skills. Core undergraduate courses contextualize foundational theories and key analytic concepts within the study of different historical periods and social movements. In designating these courses power, knowledge, and bodies, the department identifies three primary areas in which feminist and queer inquiry has been concentrated over time, enabling students to trace grounding concepts, key controversies, and the emergence of new theoretical paradigms.

The department has long enjoyed recognition for its strengths in areas including women's history, feminist science studies, and gender and the law. Over the past decade, it has become a leading program for interdisciplinary intersectional feminist scholarship on gender, sexuality, race, class, and nationality; and has built a strong reputation in transnational feminist studies, studies of settler colonialism, neoliberalism,

racial violence, cultural politics, migration, social movements, affect, visual culture, and disability, as well as feminist policy studies, critical prison studies, women of color feminism, queer of color critique, and queer theory.

Gender Studies Faculty Roster

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Professors

Maylei S. Blackwell, PhD
Jessica R. Cattelino, PhD
Alicia Gaspar de Alba, PhD
Mishuana R. Goeman, PhD
Grace Kyungwon Hong, PhD
Rachel C. Lee, PhD
Purnima Mankekar, PhD
Kathleen A. McHugh, PhD
Nancy M. Mithlo, PhD
Safiya U. Noble, PhD *(David O. Sears Presidential Endowed Professor of Social Sciences)*
Rafael Pérez-Torres, PhD
Sherene H. Razack, PhD *(Penny Kanner Endowed Professor of Women's Studies)*
Abigail C. Saguy, PhD
Jennifer A. Sharpe, PhD
David Delgado Shorter, PhD
Shannon E. Speed, PhD
Juliet A. Williams, PhD

Professors Emeriti

Sondra Hale, PhD
Sandra Harding, PhD
Douglas M. Kellner, PhD
Françoise Lionnet, PhD

Christine A. Littleton, JD
Susan K. McClary, PhD
Kathryn Norberg, PhD
James A. Schultz, PhD

Associate Professors

Lieba B. Faier, PhD
Zeynep K. Korkman, PhD
Elizabeth A. Marchant, PhD
Uri G. McMillan, PhD
Sarah T. Roberts, PhD
Sharon J. Traweek, PhD

Assistant Professors

Juliann T. Anesi, PhD
Alisa M. Bierria, PhD
Giancarlo F. Cornejo Salinas, PhD
Joshua J. Guzman, PhD
Ju Hui Judy Han, PhD

Major

Gender Studies BA

College / School

College of Letters and Science

Department

Gender Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The major in Gender Studies may be taken alone or in conjunction with another Letters and Science major. In the case of a double major, no more than five courses may be applied toward both majors.

Capstone Major

The Gender Studies major is a designated capstone major. Students are required to complete a senior seminar in which they conduct original research while studying readings that consider how disciplinary and interdisciplinary research has been conducted and critiqued. Through their senior seminar work, students produce a significant work that may include an original research paper, a media project, or an in-depth literature review. They are expected to demonstrate working knowledge of the field of gender studies; understand key theoretical approaches in the study of women, gender, and sexuality; have ability to construct well-written analytic essays and present their work orally; and conduct a research project that involves the consultation of scholarly literature and presentation of evidence to support an argument.

Learning Outcomes

1. Demonstrated working knowledge of the field of gender studies
2. Understanding of key theoretical approaches in the study of women, gender, and sexuality
3. Demonstrated ability to construct well-written analytic essays and give an oral presentation
4. Conduct a research project that involves the consultation of scholarly literatures and presentation of evidence to support an argument

Entry to the Major

Admission

To be admitted to the major, students must have completed Gender Studies 10, be in good standing, and formally register with the department. They are encouraged to declare their major as early as possible and to discuss their proposed course of study with the undergraduate adviser.

Students are encouraged to draw on diverse UCLA resources in creating their program of study. They may pursue traditional and/or innovative subjects in fields ranging from the humanities and fine arts to the social and life sciences. In addition to courses on the gender studies approved list, students may petition to have diverse courses accepted, including courses outside the College of Letters and Science, independent studies, or field study courses.

Each course applied toward the major must be taken for a letter grade, and students must have a grade-point average of 2.0 or better in gender studies courses to receive credit for completing the program. Courses in which they receive grades of C- or lower may not be applied toward the required courses in the major.

Transfer Students

Transfer applicants to the Gender Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one multidisciplinary gender studies course and departmental lower-division requisite courses.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete the following course. Students must also complete departmental lower-division requisites, as applicable, for upper-division gender studies courses.

GENDER 10 - Introduction to Gender Studies

The Major

The major is designed to (1) impart core concepts in theory and critical analysis, research design, and methods; and (2) provide students with exposure to a range of feminist and queer scholarship across disciplines. To achieve these goals, the major is divided into three categories. Complete at least 11 upper-division courses (minimum of 4 units each) as follows:

Core Courses

Complete the following three courses:

GENDER 102 - Power

GENDER 103 - Knowledge

GENDER 104 - Bodies

Elective Courses

Complete seven elective courses.

TUTORIAL

One upper-division tutorial (minimum of 4 units) selected from course 195, 197, or 199 may be applied toward the elective requirement (this limit does not apply to course 198A or 198B).

GENDER 195 - Community or Corporate Internships in Gender Studies

GENDER 197 - Individual Studies in Gender Studies

GENDER 199 - Directed Research in Gender Studies

Capstone Seminar

GENDER 187 - Senior Research Seminar: Gender Studies

Honors Program

The honors program is open to advanced junior and senior Gender Studies majors with a 3.6 grade-point average in gender studies courses and a minimum 3.4 overall GPA who have no outstanding Incomplete grades, and to majors who demonstrate ability to do honors work by submitting a paper to the department chair for approval. To qualify for honors at graduation, students must successfully complete three successive terms of honors research (courses 198A, 198B, 198C) with their faculty sponsor and receive a grade of B+ or better on their research paper/project. Course 198A may be applied toward the elective requirement; courses 198B and 198C are in addition to the minimum required courses. more information is available from the undergraduate counselor in the department office.

GENDER 198A - Honors Research in Gender Studies

GENDER 198B - Honors Research in Gender Studies

GENDER 198C - Honors Research in Gender Studies

Minor

Gender Studies Minor

College / School
College of Letters and Science

Department
Gender Studies

Level
Undergraduate

Overview

The Gender Studies minor augments and enriches study in a traditional field. Students participating in this program are required to complete both a departmental major and the Gender Studies minor.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and formally register with the department undergraduate advisers in 1120 Rolfe Hall. They are encouraged to declare the minor as early as possible.

Minor Requirements

The Minor

Required Lower-Division Course (5 units)

Complete the following course. Students must also complete departmental lower-division requisites, as applicable, for upper-division gender studies courses.

GENDER 10 - Introduction to Gender Studies

Required Upper-Division Courses (24 units)

Complete six courses as follows:

GENDER STUDIES COURSE

Select one course from:

GENDER 102 - Power

GENDER 103 - Knowledge

GENDER 104 - Bodies

SENIOR RESEARCH SEMINAR

Select one of the following courses or an equivalent senior research seminar approved in advance:

GENDER 120SL - Feminist Praxis: Community-Based Learning

GENDER 187 - Senior Research Seminar: Gender Studies

ADDITIONAL UPPER-DIVISION COURSES

Complete four upper-division courses (minimum of 4 units each) from the approved gender studies course list.

Policies

The Minor Policies

No more than 4 units of courses 195 through 199 may be applied.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Courses in which students receive grades of C– or lower may not be applied toward the core requirements in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Gender Studies MA, PhD

College / School

College of Letters and Science

Department

Gender Studies

Degree Level

Graduate

Degree Objective

Master of Arts, Doctor of Philosophy

Overview

The graduate program offers Master of Arts (for PhD students only, no terminal master's degree) and PhD degrees.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Geography Overview

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College of Letters and Science

1255 Bunche Hall
Box 951524
Los Angeles, CA 90095-1524

Geography
310-825-1071

Gregory S. Okin, PhD, *Chair*

Geography is the study of people's relationships to both the natural and built environments, exploring the world's diverse cultures and economies, and the environmental and sustainability challenges they face. It examines the physical Earth and life on it, looking at the world's diverse cultures, economies, and the environmental problems they produce.

Geography addresses many issues about the contemporary world. Some are local, such as documenting the development of ethnic neighborhoods within Los Angeles. Others are regional, such as determining the best locations for nature reserves in California. Many are global, such as the study of greenhouse gases and how they affect climates, culture and resource issues in developing countries, and the impact of information technologies on people in different places.

The work of geographers often takes them out of the classroom into the field to collect information on topics that range from the settlement of new immigrants to the distribution of endangered species, the erosion of shorelines, and the location of high-tech businesses. On other occasions, geographers work in laboratories, using techniques such as computer analysis of satellite photographs to look for changes in river courses and computer modeling of shifts in global vegetation patterns and the distribution of human populations. Research is also conducted in libraries and archives, probing documentary sources on human interaction with the natural world and how that world is imagined.

Career Prospects

Department of Geography graduates have a wide variety of career opportunities because of their combination of geographical/environmental perspectives and technical skills. UCLA geography students have gone on to become university scholars, school teachers, members of governmental and nongovernmental planning, development, and conservation agencies, business executives, lawyers, and specialists in geographical information analysis for government and private business. Because of its sophisticated focus on the relationship of the global to the local, geography is particularly useful for those who wish to pursue careers with an international focus.

Course Numbering

Geography courses are organized by number into the categories shown..

Course Numbers	Category
100–139	Environmental Studies and Natural Systems
140–169	Human Systems
170–179	Regions
180–187	Procedures
188–199	Special Studies
200	Core
201–219	Methods
207–211	Geospatial Information
212–214	Remote Sensing
220–244	Human Geography
245–254	Human Geography Advanced
255–269	Physical Geography
280–289	Physical Geography Advanced
290–298	Regional Geography
299	Required Colloquia

375–599	Special Studies

Geography Faculty Roster

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Professors

Stephen A. Bell, PhD
Kyle C. Cavanaugh, PhD
C. Cindy Fan, PhD
Thomas W. Gillespie, PhD
Susanna B. Hecht, PhD
Dennis P. Lettenmaier, PhD
Glen M. MacDonald, PhD *(Professor of California and the American West)*
Adam D. Moore, PhD
Gregory S. Okin, PhD
Marilyn N. Raphael, PhD
Ananya Roy, PhD *(Meyer and Renee Luskin Professor of Inequality and Democracy)*
Yongwei Sheng, PhD
Michael E. Shin, PhD
Michael C. Storper, PhD
A. Park Williams, PhD

Professors Emeriti

John A. Agnew, PhD
Charles F. Bennett, Jr., PhD
Judith A. Carney, PhD
William A.V. Clark, PhD
Michael R. Curry, PhD
Jared M. Diamond, PhD

J. Nicholas Entrikin, PhD
Helga M. Leitner, PhD
David L. Rigby, PhD
Melissa Savage, PhD
Allen J. Scott, PhD
Eric S. Sheppard, PhD *(Alexander von Humboldt Endowed Professor Emeritus of Geography)*
Laurence C. Smith, PhD
Stanley W. Trimble, PhD
Hartmut S. Walter, PhD
Yongkang Xue, PhD

Associate Professors

Lieba B. Faier, PhD
Jamie M. Goodwin-White, PhD
Juan C. Herrera, PhD
Kelly A. Kay, PhD
V. Kelly Turner, PhD

Assistant Professors

Gawain T. Antell, PhD
Kaily A. Heitz, PhD
Yue Li, PhD
Shaina S. Potts, PhD

Major

Geography BA

College / School
College of Letters and Science

Department
Geography

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Geography major allows students to combine a broad background in the field with more specific interests and career goals. Students can select classes in several areas of geography such as urban,

economic, cultural, environmental, physical, or biogeography. They should consult with the undergraduate adviser to plan a program suitable to their personal objectives.

Learning Outcomes

1. Comprehensive knowledge of the main strands of physical and human geography, including familiarity with major theoretical perspectives
2. Command of various geographical methods and techniques such as remote sensing, cartography, and field methods
3. Skills in collecting and analyzing geographical data
4. Proficiency in written arguments drawing on appropriate sources and methods in the geographical literature

Entry to the Major

Admission

To declare the major, students must have completed two geography courses with a grade-point average of 2.0 or better.

Transfer Students

Transfer applicants to the Geography major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one physical geography or biogeography course, one cultural geography or economic geography course, and one statistics course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses (15 units) as follows:

Geography 1 or 2

Select one course from:

GEOG 1 - Earth's Physical Environment

GEOG 2 - Biodiversity in Changing World

Geography 3, 4, or 6

Select one course from:

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

Statistics 12

Complete the following course:

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

The Major

Complete 11 upper-division geography courses (44 units minimum).

Honors Program

The departmental honors program is designed for Geography majors who are interested in completing a research project that culminates in an honors thesis. To qualify for graduation with departmental honors, students must have a cumulative grade-point average (GPA) of 3.5 or better in all upper-division geography courses and a 3.0 overall GPA. They must enroll in Geography 198A and 198B in two consecutive terms and earn grades of A– or better. They may elect to work with one or two faculty sponsors. Students are awarded highest honors, honors, or no honors based on an evaluation of the thesis by the faculty sponsor(s), and meeting GPA requirements. Contact the department advising office for more information.

GEOG 198A - Honors Research in Geography I

GEOG 198B - Honors Research in Geography II

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

Each course must be taken for a letter grade.

All geography upper-division courses numbered 100 and higher may be applied toward the major, with a few exceptions. Contact the advising office for more information.

Major

Geography/Environmental Studies BA

College / School
College of Letters and Science

Department
Geography

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major in Geography/Environmental Studies develops and deepens students' understanding of environmental issues; it explores problem-solving approaches from an interactive people/nature viewpoint and involves analysis of social, physical, and biotic environmental systems. The major's uniqueness lies in

its emphasis on its geographical perspective of human impacts on natural systems, as well as of implications of global change on local and regional human systems.

Learning Outcomes

1. Comprehensive knowledge of the main strands of physical and human geography, including familiarity with major theoretical perspectives
2. Command of various geographical methods and techniques such as remote sensing, cartography, and field methods
3. Familiarity with a range of environmental problems at different geographical scales, their analysis, modeling, and various policy responses to them
4. Skills in collecting and analyzing geographical data
5. Proficiency in written arguments drawing on appropriate sources and methods in the geographical literature

Entry to the Major

Admission

To declare the major, students must have completed two geography courses with a grade-point average of 2.0 or better.

Transfer Students

Transfer applicants to the Geography/Environmental Studies major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one physical geography or biogeography course, one cultural geography or economic geography course, one people and ecosystems course, and one statistics course.

Geography 7 must be taken at UCLA in order to fulfill the preparation for the major requirement, and, as the enforced requisite for courses 180, 181A, and 182A, Geography 7 must be taken prior to enrolling in these courses. Students taking this course as a requisite only may take it as P/NP grading.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete five courses as follows:

Geography 1 or 2

Select one course from:

- GEOG 1 - Earth's Physical Environment
- GEOG 2 - Biodiversity in Changing World

Geography 3, 4, or 6

Select one course from:

- GEOG 3 - Cultural Geography
- GEOG 4 - Globalization: Regional Development and World Economy
- GEOG 6 - World Regions: Concepts and Contemporary Issues

Geography 5, 7, and Statistics 12

Complete the following three courses:

- GEOG 5 - People and Earth's Ecosystems
- GEOG 7 - Introduction to Geographic Information Systems
- STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

The Major

Complete 11 upper-division geography courses, each taken for a letter grade, distributed as follows:

Environmental Studies and Natural Systems Core

Select six courses from:

- GEOG 101 - Principles of Geomorphology
- GEOG M102 - Soils and Environment
- GEOG M103 - Soil and Water Conservation
- GEOG 106 - World Vegetation
- GEOG 107 - Forest Ecosystems
- GEOG 108 - Analytical Animal Geography
- GEOG 109 - Biogeography of Plant and Animal Invasions
- GEOG M110 - Ecosystem Ecology
- GEOG 116 - Climatology
- GEOG 117 - Tropical Climatology
- GEOG M118 - Applied Climatology: Principles of Climate Impact on Natural Environment
- GEOG 120 - Hydrology
- GEOG M125 - Environmentalism: Past, Present, and Future
- GEOG M126 - Environmental Change
- GEOG M127 - Global Environment and Development: Problems and Issues
- GEOG 130 - Food and Environment
- GEOG M131 - Human Impact on Biophysical Environment
- GEOG 133 - Humid Tropics
- GEOG 135 - Africa and African Diaspora in Americas
- GEOG 136 - Health and Global Environment
- GEOG 138 - Wildlife Conservation in Eastern and Southern Africa
- GEOG 139B - Problems in Geography: Biogeography
- GEOG 139C - Problems in Geography: Culture and Environment in Modern World

Human Systems Core

Select two courses from:

- GEOG 140 - Social Geography
- GEOG 141 - Cultural Geography of Modern World
- GEOG M142 - (When) Do Leaders Make Differences?
- GEOG M144 - Feminist Geography
- GEOG 145 - Slavery and Human Trafficking
- GEOG 148 - Political Geography
- GEOG 150 - Economic Geography
- GEOG 151 - Uneven Development Geographies: Prosperity and Impoverishment in Third World
- GEOG M153 - Transportation Geography
- GEOG 158 - Population Geography
- GEOG 159 - Population in Interacting World
- GEOG 160 - Urban Geography
- GEOG 161 - Cities and Social Difference
- GEOG 162 - Ethnicity in American Cities
- GEOG 169A - Problems in Geography: Urban and Regional Development Studies
- GEOG 173A - Cities of Europe

Procedures

Select two courses from:

- GEOG 180 - Cartography
- GEOG 181A - Intermediate Geographic Information Systems
- GEOG 181B - Advanced Geographic Information Systems
- GEOG 181C - Geographic Information Systems Programming and Development

GEOG 182A - Introduction to Remote Sensing

GEOG 182B - Remote Sensing: Digital Image Processing and Analysis

GEOG 182C - Advanced Remote Sensing

GEOG 184 - Environmental Modeling

GEOG 185 - Field Methods in Physical Geography

GEOG M186 - Introduction to Spatial Statistics

Regions

Select one course from:

GEOG 145 - Slavery and Human Trafficking

GEOG 171A - North America

GEOG 171B - California

GEOG 171C - Metropolitan Los Angeles

GEOG 172A - Spanish South America

GEOG 172C - Brazil

GEOG 173A - Cities of Europe

GEOG 174A - The Mediterranean World

GEOG 175A - Japan in World: Culture, Place, and Global Connections

GEOG 175B - Contemporary China

GEOG 176A - Southeast Asia

Honors Program

The departmental honors program is designed for Geography/Environmental Studies majors who are interested in completing a research project that culminates in an honors thesis. To qualify for graduation with departmental honors, students must have a cumulative grade-point average (GPA) of 3.5 or better in all upper-division geography courses and a 3.0 overall GPA. They must enroll in Geography 198A and 198B in two consecutive terms and earn grades of A– or better. They may elect to work with one or two faculty sponsors. Students are awarded highest honors, honors, or no honors based on an evaluation of the thesis by the faculty sponsor(s), and meeting GPA requirements. Contact the department advising office for more information.

GEOG 198A - Honors Research in Geography I

GEOG 198B - Honors Research in Geography II

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

Students are strongly advised to complete all preparation for the major courses before beginning upper-division work in the major.

The Major Policies

Each course must be taken for a letter grade.

Geography/Environmental Studies majors are advised to complete the required courses in the human systems core before taking courses in the environmental studies and natural systems core.

Minor

Geography Minor

College / School
College of Letters and Science

Department
Geography

Level

Undergraduate

Overview

The Geography minor is designed for students who wish to deepen and/or broaden their major program of study with a distinctive yet flexible program of courses encompassing the relationship between environment and society. The minor allows students to develop a coherent strategy for understanding and explaining the manner in which people and the Earth interact. Students have the opportunity to explore the origins, development, morphology, and processes of landscapes inherited from nature, as well as those institutions and cultural, economic, political, and social patterns associated with the human development, occupancy, organization, perception, and use of these landscapes.

Entry to the Minor

Admission

To enter the minor, students must have completed at least one geography course at UCLA with a grade of C or better, have an overall grade-point average of 2.0 or better, and file a petition in the Geography Department Advising Office, 1255 Bunche Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from:

- GEOG 1 - Earth's Physical Environment
- GEOG 2 - Biodiversity in Changing World
- GEOG 3 - Cultural Geography
- GEOG 4 - Globalization: Regional Development and World Economy
- GEOG 6 - World Regions: Concepts and Contemporary Issues

Required Upper-Division Courses (20 units)

Complete any five upper-division geography courses, with a few exceptions. Contact the advising office for more information.

Policies

The Minor Policies

It is recommended that students take the lower-division courses before attempting upper-division courses.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least three of the five upper-division courses must be taken in residence at UCLA. Transfer credit for any of the above is subject to departmental approval.

Each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Geography/Environmental Studies Minor

College / School

College of Letters and Science

Department

Geography

Level

Undergraduate

Overview

The Geography/Environmental Studies minor is intended for students interested in environmental issues and emphasizes a systems approach to gaining a causal understanding of major environmental problems facing our society and the world at large. The uniqueness of the minor lies in its geographical perspective on the impact, at various geographical scales, of human activity on natural systems and on the implications of global environmental change on local, regional, and global human systems.

Entry to the Minor

Admission

To enter the minor, students must have completed at least one geography course at UCLA with a grade of C or better, have an overall grade-point average of 2.0 or better, and file a petition in the Geography Department Advising Office, 1255 Bunche Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete two courses as follows:

GEOG 5 - People and Earth's Ecosystems

ADDITIONAL COURSE

Select one course from:

GEOG 1 - Earth's Physical Environment

GEOG 2 - Biodiversity in Changing World

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

Required Upper-Division Courses (20 units)

Complete three courses from the environmental studies cluster specified within the major and two geography courses from outside the environmental studies cluster.

Policies

The Minor Policies

It is recommended that students take these courses before attempting upper-division courses.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least three of the five upper-division courses must be taken in residence at UCLA. Transfer credit for any of the above is subject to departmental approval.

Each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Geospatial Information Systems and Technologies Minor

College / School

College of Letters and Science

Department

Geography

Level

Undergraduate

Overview

The Geospatial Information Systems and Technologies minor is designed to provide students with a strong background in the use, application, and development of geospatial/environmental research techniques and methods.

Entry to the Minor

Admission

To enter the minor, students must have completed Geography 7 with a grade of B or better, have an overall grade-point average of 2.0 or better, and file a petition in the Geography Department Advising Office, 1255 Bunche Hall. For majors in Geography or Geography/Environmental Studies, only two upper-division courses may overlap between the major and this minor.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete the following two courses:

- GEOG 7 - Introduction to Geographic Information Systems
- STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

Required Upper-Division Courses (24 units minimum)

Complete four required courses and two additional courses as follows:

- GEOG 180 - Cartography
- GEOG 181A - Intermediate Geographic Information Systems
- GEOG 181B - Advanced Geographic Information Systems
- GEOG 182A - Introduction to Remote Sensing

ADDITIONAL COURSES

Select two courses selected from following list. Four units of 199 is allowed with approval of the faculty adviser.

- GEOG 181C - Geographic Information Systems Programming and Development
- GEOG 182B - Remote Sensing: Digital Image Processing and Analysis

GEOG 184 - Environmental Modeling

GEOG M186 - Introduction to Spatial Statistics

GEOG 199 - Special Study

Policies

The Minor Policies

Each upper-division course must be completed with a grade of C or better.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least three of the five upper-division courses must be taken in residence at UCLA. With the exception of Statistics 12, transfer credit is not accepted toward this minor except on rare occasions.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Geography MA, CPhil, PhD

College / School
College of Letters and Science

Department
Geography

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Candidate in Philosophy, Master of Arts

Overview

The department offers the PhD degree in Geography (an MA degree may be earned in the process of completing PhD requirements). Student research projects are conducted in collaboration with a faculty adviser and advisory committee. Graduate students work in most major areas of geography and on

projects around the world. Graduate alumni of the department have teaching positions at many leading universities in the U.S. and abroad.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Applied Geospatial Information Systems and Technologies

College / School

College of Letters and Science

Department

Geography

Degree Level

Graduate

Degree Objective

Master of Applied Geospatial Information Systems and Technologies

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Gerontology Overview

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Interdisciplinary Minor
Meyer and Renee Luskin School of Public Affairs

3343 Public Affairs Building
Box 951656
Los Angeles, CA 90095-1656

Gerontology
310-825-7388
E-mail contact

Lené F. Levy-Storms, MPH, PhD, *Chair*

The worldwide expansion of the older adult population ensures that issues regarding aging will dominate our environmental, economic, social, political, psychological, and medical concerns and endeavors well into the twenty-first century. The undergraduate minor in Gerontology provides students with a foundation understanding of the current state of science related to human aging, enables students to assess longevity's potential contribution and challenge to contemporary society, and provides students with an appreciation of opportunities to contribute, personally and professionally, to a diverse aging society.

Gerontology Faculty Committee

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Laura S. Abrams, PhD *(Social Welfare)*
Michael R. Irwin, MD *(Psychiatry and Biobehavioral Sciences, Psychology)*
Lené F. Levy-Storms, MPH, PhD *(Social Welfare)*
Theodore F. Robles, PhD *(Psychology)*
Teresa E. Seeman, MD *(Epidemiology, Medicine–Geriatrics)*

Minor

Gerontology Minor

College / School
Meyer and Renee Luskin School of Public Affairs

Department
Gerontology

Level

Undergraduate

Entry to the Minor

Admission

To enter the Gerontology minor, students must have an overall grade-point average of 2.0 or better and a grade of B or better in Gerontology M108.

Minor Requirements

The Minor

Required Upper-Division Courses (28 to 32 units):

GERONTOLOGY M108

Complete the following course:

GRNTLGY M108 - Biomedical, Social, and Policy Frontiers in Human Aging

ELECTIVES

Select four courses from:

GRNTLGY M104C - Diversity in Aging: Roles of Gender and Ethnicity

GRNTLGY M104D - Public Policy and Aging

GRNTLGY M119O - Psychology of Aging

GRNTLGY M119X - Biology and Behavioral Neuroscience of Aging

GRNTLGY M142XP - Intergenerational Communication across Lifespan

GRNTLGY M150 - Sociology of Aging

GRNTLGY M165 - Disability Policy and Services in Contemporary America

PSYCH 124C - Human Memory

PSYCH 150 - Introduction to Health Psychology

CAPSTONE REQUIREMENT

Complete two terms of Gerontology 195 or 199.

GRNTLGY 195 - Community or Corporate Internships in Gerontology

GRNTLGY 199 - Directed Research or Senior Project in Gerontology

Policies

The Minor Policies

Students who have completed Clusters 80A with a grade of B or better, and have an overall grade-point average of 2.0 or better, do not need to take Gerontology M108. Successful completion of this cluster sequence (Clusters 80A, 80BX, 80CW) counts for M108 and one elective course.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Global Health Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
College of Letters and Science

10256 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

Global Health
310-206-6571
Minor e-mail

Ippolytos A. Kalofonos, MD, MPH, PhD, ***Chair***

The Global Health minor allows students to develop an interdisciplinary understanding of health issues in a global context. Students take courses that provide opportunity to become familiar with approaches to global health from the perspective of the social sciences, arts, and humanities, as well as the physical and biological sciences. The minor is appropriate for students from all majors.

Global Health Faculty Committee

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Victor Agadjanian, PhD *(Sociology)*
David H. Gere, PhD *(World Arts and Cultures/Dance)*
Ippolytos A. Kalofonos, MD, MPH, PhD *(Anthropology, Psychiatry and Biobehavioral Sciences)*
Michael F. Lofchie, PhD *(Political Science)*
Anne W. Rimoin, PhD *(Epidemiology)*
Utpal N. Sandesara, MD, PhD *(Medicine–General and Health Services)*

Minor

Global Health Minor

College / School
College of Letters and Science

Department
Global Health

Level

Undergraduate

Entry to the Minor

Admission

To be admitted to the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

After satisfying these requirements, students may declare the minor in consultation with the academic counselor.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from:

- C&EE 58XP - Climate Change, Water Quality, and Ecosystem Functioning
- CLUSTER 80A - Frontiers in Human Aging
- CLUSTER 80BX - Frontiers in Human Aging
- CLUSTER 80CW - Frontiers in Human Aging—Special Topics
- GLBL ST 1 - Introduction to Globalization
- HIST 3D - History of Modern Medicine
- HNRS 1 - Plague Culture
- HNRS 14 - Interaction of Science and Society
- HNRS 26 - Representing Medicine: Art, Literature, and Film
- I A STD 1 - Introduction to International and Area Studies
- MCD BIO 60 - Biomedical Ethics
- NURSING 50 - Fundamentals of Epidemiology
- STATS 13 - Introduction to Statistical Methods for Life and Health Sciences
- WL ARTS 2 - Lower-Division Seminar
- WL ARTS 33 - Colonialisms and Resistance

Required Upper-Division Courses (20 to 25 units)

Complete Global Health 100 and four courses from the following theme areas, with a maximum of two courses from any single area:

GLB HLT 100 - Global Health and Development

ART

WL ARTS 144 - Make Art/Stop AIDS

WL ARTS C158 - Theorizing Arts Activism

WL ARTS C159 - Art and Global Health

WL ARTS 160 - Performing Sexual Health: UCLA Sex Squad

COMMUNITY HEALTH

COM HLT 100 - Introduction to Community Health Sciences

COM HLT CM170 - Improving Worker Health: Social Movements, Policy Debates, and Public Health

COM HLT 187A - Introduction to Interventions for At-Risk Populations

COM HLT 187B - Introduction to Interventions for At-Risk Populations

HLT POL 140 - Foundations of Maternal and Child Health

PSYCTRY 175 - Mindfulness Practice and Theory

PSYCH 150 - Introduction to Health Psychology

ENVIRONMENTAL HEALTH

ENVIRON 166 - Leadership in Water Management

ENVIRON M167 - Environmental Justice through Multiple Lenses

ENV HLT 100 - Introduction to Environmental Health

ENV HLT C185A - Foundations of Environmental Health Sciences

ENV HLT C185B - Foundations of Environmental Health Sciences for Public Health Professionals

GENETICS

HNRS 141 - Biology and Medicine in Postgenomic Era

SOC GEN 162 - Biotechnologies, Law, and Body

SOC GEN 163 - Science and Popular Movements: Controversy, Conflict, and Collaboration

GLOBALIZATION AND DEVELOPMENT

COM HLT 132 - Health, Disease, and Health Services in Latin America

INTL DV 110 - Culture, Power, and Development

NURSING C155 - Global Health Elective: Globalization, Social Justice, and Human Rights

HEALTH HUMANITIES AND COMMUNICATION

ENGCOMP 131C - Specialized Writing: Medicine and Public Health

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

POLICY

CESC M175SL - Addressing Social Determinants in Racial/Ethnic Minority Communities to Reduce and Prevent Health Disparities

ECON 130 - Public Economics

ECON 131 - Economics of Health and Healthcare

GRNTLGY M108 - Biomedical, Social, and Policy Frontiers in Human Aging

HLT POL 100 - Health Care Systems and Health Policy

HNRS 105 - Racial and Ethnic Disparities in Healthcare

SOCIOL M164 - Politics of Reproduction and Everyday Life

SOCIETY AND CULTURAL HEALTH

AM IND C121 - Working in Tribal Communities: Preparing for Fieldwork

AM IND CM168 - Healthcare for American Indians

ASL M115 - Enforcing Normalcy: Deaf and Disability Studies

ASIA AM M129 - Health Issues for Asian Americans and Pacific Islanders: Myth or Model?

ASIA AM 140XP - Power to People: Asian American and Pacific Islander Community-Based Learning

CCAS CM106 - Health in Chicano/Latino Population

DIS STD 101W - Perspectives on Disability Studies

DIS STD M121 - Topics in Gender and Disabilities

GENDER 104 - Bodies

GENDER 105 - Topics in Women and Medicine

GENDER 125 - Perspectives on Women's Health

GENDER CM143XP - Healing, Ritual, and Transformation

HNRS 124 - Midwives, Mothers, and Medicine: Perspectives on History of Childbirth

PSYCH 129C - Culture and Mental Health

SOCIOL 138 - Death, Dying, and Afterlife

SOCIOL 143 - Human Health and Society

SOCIOL 170 - Medical Sociology

STATISTICS AND MODELING

BIOMATH 170A - Introductory Biomathematics for Medical Investigators

BIOSTAT 100 - Introduction to Biostatistics

SOCIOL 116 - Social Demography

STATS 130 - Getting Up to Speed with SPSS, Stata, SAS, and R

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Global Jazz Studies Overview

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Interdepartmental Program
Herb Alpert School of Music

2520 Schoenberg Music Building
Box 951657
Los Angeles, CA 90095-1657

Global Jazz Studies
310-825-8381

Michael Salim Washington, PhD, ***Chair***

The Bachelor of Arts (BA) degree in Global Jazz Studies is a capstone major designed to provide students with an interdisciplinary education that draws from various areas of the UCLA Herb Alpert School of Music, as well as from the arts and social sciences. The curriculum is designed around three major areas: performance courses designed to advanced students' skills individually and playing in small combos and larger ensembles; musicianship and music theory courses in which students master improvisation, basics of music theory, arranging, and composition; and broad understanding of the historical and sociocultural context of the development and evolution of jazz in the U.S. and globally. Courses in world music are also a major element of the major.

Global Jazz Studies Faculty

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Faculty Committee

Robin D.G. Kelley, PhD *(African American Studies, History)*
Cheryl L. Keyes, PhD *(African American Studies, Ethnomusicology)*
Steven J. Loza, PhD *(Ethnomusicology)*
Arturo O'Farrill, MM *(Music)*
Michael Salim Washington, PhD *(Music)*

Faculty Roster

Professors

Robin D.G. Kelley, PhD *(Gary B. Nash Endowed Professor of U.S. History)*
Arturo O'Farrill, MM
Michael Salim Washington, PhD

Senior Lecturer

Clayton Cameron, BM

Lecturers

Duane C. Benjamin
Jésus A. Guzmán
Charles A. Harrison III, MM

Tamir Hendelman, BM
Azar M. Lawrence
T. Jacques Lesure
Hitomi M. Oba, MA
Daniel A. Rosenboom, DMA
Otmaro Ruíz, MFA
Luciana Souza, MM
Arturo J. Stable, MM

Adjunct Professors

Mark F. Turner, BM
Michele A. Weir, MA

Adjunct Associate Professors

Alison S. Deane, MM
Roberto Miranda, MM
Ruth Price

Major

Global Jazz Studies BA

College / School
Herb Alpert School of Music

Department
Global Jazz Studies

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Global Jazz Studies major is a designated capstone major. The capstone project, usually done in the senior year, is tailored to each student and includes a seminar class (course 186A) and a capstone presentation such as a recital, lecture-demonstration, or lecture-recital (186B). The capstone experience

provides an appropriate vehicle for the faculty to assess the students' accomplishments during their tenure in the program.

Learning Outcomes

1. Advanced-level performance of multiple jazz styles across historical periods and contemporary jazz performance practices
2. Demonstrated proficiency in styles representative of Africa, the African diaspora, and at least one other world musical culture
3. Demonstrated advanced skill and understanding in improvisation, musical structure and instrumentation, composition, arranging, timbre, and expression
4. Demonstrated basic proficiency in areas of programming, recording, and/or post-production
5. Demonstrated interdisciplinary knowledge of global jazz as text and method
6. Interrogation of the concerns of jazz as a comprehensive practice, including its capacity to transform the musical, political, and socioeconomic world it engages

Entry to the Major

Admission

Applicants are reviewed individually, based on a questionnaire, grade-point average, test scores, a personal statement of purpose, and an on-campus audition. Applicants who are unable to travel to UCLA have the option of submitting a video audition in place of the on-campus audition.

Transfer Students

Transfer applicants to the Global Jazz Studies major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one to two years of jazz studio instruction (equivalent to Global Jazz Studies 71A through 71I) and one year of musicianship (equivalent to Ethnomusicology M6A, M6B, M6C).

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete a total of 41 units as follows:

Musical Cultures of the World

Select one course (5 units) from:

ETHNMUS 20B - Musical Cultures of World: Africa and Near East

ETHNMUS 20C - Musical Cultures of World: Asia

Music and Dance of Ghana and African American Music Ensemble

Complete 4 units from one or both of the following courses:

ETHNMUS 91E - World Music Performance Organizations: Music and Dance of Ghana

ETHNMUS 91P - World Music Performance Organizations: African American Music Ensemble

World Music Specializations and Performance Organizations

Complete 4 units from:

WORLD MUSIC SPECIALIZATIONS

Ethnomusicology 68A though 68O

WORLD MUSIC PERFORMANCE ORGANIZATIONS

Ethnomusicology 91A through 91Z (except 91E and 91P)

African American Musical Heritage

Complete both of the following courses (10 units):

GJ STDS M110A - African American Musical Heritage

GJ STDS M110B - African American Musical Heritage

Jazz Performance

Complete 12 units from the following. Students must enroll in a studio each quarter.

Global Jazz Studies 71A through 71I

Musicianship

Complete the following three courses (6 units):

MUSC M6A - Introduction to Global Musicianship

MUSC M6B - Introduction to Musicianship

MUSC M6C - Introduction to Musicianship

The Major

Complete 72 units as follows:

Performance (24 units)

Students must enroll in a studio class and at least one combo or ensemble each quarter.

STUDIO COURSEWORK

Complete 12 units from Global Jazz Studies 171A through 171I:

Global Jazz Studies 171A through 171I

SMALL JAZZ COMBO

Complete 4 units from:

GJ STDS 175 - Jazz Combo

LARGE JAZZ ENSEMBLE

Complete 8 units of large jazz ensemble from Global Jazz Studies 176A through 176G:

Global Jazz Studies 176A through 176G

Musicianship and Theory (24 units)

Complete 24 units from:

GJ STDS 122A - Jazz Styles and Analysis: Early Jazz to Swing Era

GJ STDS 122B - Jazz Styles and Analysis: Bebop to Avant-garde

GJ STDS 122C - Jazz Styles and Analysis: Jazz since Sixties

GJ STDS 127A - Jazz Keyboard Harmony I

GJ STDS 127B - Jazz Keyboard Harmony II

GJ STDS 127C - Jazz Keyboard Harmony III

GJ STDS 129A - Jazz Theory and Improvisation I

GJ STDS 129B - Jazz Theory and Improvisation II

GJ STDS 129C - Jazz Theory and Improvisation III

Scholarly Foundations (20 units)

Complete Global Jazz Studies 101, 125 and one course (at least 4 units) from each subject area listed, for a total of 20 units.

GJ STDS 101 - Cross-Cultural Perspectives in Jazz

GJ STDS 125 - Jazz Arranging and Orchestration

AFRICAN AMERICAN STUDIES

Select one course (at least 4 units) from:

AF AMER 108 - Jazz and Political Imagination

AF AMER M150D - Recent African American Urban History: Funk Music and Politics of Black Popular Culture

AF AMER M158C - Introduction to Afro-American History

GLOBAL JAZZ STUDIES

Select one course (at least 4 units) from:

GJ STDS M109 - Women in Jazz

GJ STDS M119 - Cultural History of Rap

GJ STDS M130 - Culture of Jazz Aesthetics

GJ STDS M131 - Development of Latin Jazz

GJ STDS 165 - Selected Topics in Composition

GJ STDS 188 - Special Topics in Global Jazz Studies

GJ STDS 199 - Directed Research or Senior Project in Global Jazz Studies

MUSIC INDUSTRY

Select one course (at least 4 units) from:

MSC IND 2 - Music Industry Fundamentals

MSC IND 104A - Music and Law

MSC IND 107A - Engineering and Production Fundamentals

MSC IND 115A - Art of Music Production I

Capstone Seminar and Project (4 units)

Complete the following two courses:

GJ STDS 186A - Capstone Seminar

GJ STDS 186B - Capstone

Policies

Preparation for the Major Policies

All entering first years are required to take the Music Theory Assessment Examination either during New Student Sessions or during zero week of fall quarter. The examination score is used to determine eligibility and placement in first-year music core courses (Music 3, M6A, M6B, M6C). Examination results may

require enrollment in Music 3 as a requisite to course M6A. Entering transfer students with fewer than 15 units of prior music theory must take the Music Theory Assessment Examination.

Each course must be completed with a grade of C or better.

The Major Policies

Each course must be taken for a letter grade and be completed with a grade of C or better. Students must have an overall grade-point average of 2.0 or better. No more than eight units from upper-division tutorials (195-199) may be applied toward the degree.

Global Studies Overview

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Interdepartmental Program
College of Letters and Science

10274 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

Global Studies
Program e-mail

Margaret E. Peters, PhD, *Chair*

The Global Studies interdepartmental program provides undergraduate students with a rigorous interdisciplinary education in the processes of globalization and their consequences. Housed in the UCLA **International Institute**, Global Studies offers a research-oriented undergraduate major leading to a Bachelor of Arts (BA) degree, as well as an undergraduate minor. The curriculum features three thematic pillars that capture the principal dimensions of the unprecedented depth and breadth of interconnections among nation-states, ethnic and religious groups, and individuals. *Culture and society* courses concentrate on the tensions between local ways of life with deep historical, linguistic, ethnic, and religious roots; and today's pressures for transnational cultures and multiple identities, fueled by the communication of ideas and the movement of people all around the world. *Governance and conflict* courses focus on challenges to the nation-state from forms of governance above (regional and global forms of governance) and below (autonomy and secessionist movements); and from security threats beyond interstate warfare (ethnic conflict, terrorism, civil wars). *Markets and resources* courses address the interactions among global, regional, national, and subnational economic processes over resources and market dynamics; their effects on different societies with respect to economic growth, poverty, inequality, the environment; and the interactions among market forces, political institutions, and public policy.

The curriculum draws on insights from disciplines across the humanities and social sciences to give students the theoretical and methodological skills and knowledge base necessary to understand this complex and rapidly changing world.

Global Studies Faculty Committee

You're now viewing the 2024-25 Catalog

John A. Agnew, PhD *(European Languages and Transcultural Studies, Geography)*
Elizabeth DeLoughrey, PhD *(English, Environment and Sustainability)*
Robert M. McCann, PhD *(Management)*
Eric A. Min, PhD *(Political Science)*
Tejas Parasher, PhD *(Political Science)*
Margaret E. Peters, PhD *(Political Science)*
Shaina S. Potts, PhD *(Geography)*
Michael F. Thies, PhD *(Political Science)*

Major

Global Studies BA

College / School
College of Letters and Science

Department
Global Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Global Studies major is a designated capstone major. As students progress through the major, they move from a set of broad themes, theories, and perspectives to a more specialized focus about which they develop a specific research expertise and write a thesis. In completing the capstone, students should

demonstrate an appropriate mastery of a specialized area of global studies and a critical understanding of current scholarly concerns, literatures, and debates. They should also be able to identify and analyze primary sources and use those sources and appropriate scholarly literature to design and carry out a research project.

Learning Outcomes

1. Critical thinking about basic political processes, institutions, and concepts as they operate in different national and cultural contexts
2. Impartial evaluation of arguments
3. Application of mathematical and logical reasoning to political processes
4. Use and evaluation of statistical and other types of evidence in arguments
5. Recognition of limits of quantitative and non-quantitative analysis
6. Knowledge of diverse theories of politics acquired through critical engagement with texts, media, and contexts
7. Location, evaluation, and use of information and scholarship to place political events in broader historical, cross-national, and theoretical contexts
8. Employment of cultural, hermeneutical, normative, and historical approaches
9. Written and oral arguments using appropriate evidence, with sensitivity to opposing perspectives, about significant political processes, events, and concepts

Entry to the Major

Admission

Admission to the Global Studies major is by application only and is highly competitive, with only a limited number of students admitted each year. To be eligible to apply, UCLA students must have completed all nonlanguage preparation for the major courses and one modern foreign language equivalent to level 3 by the end of the term in which they are applying. Any remaining language courses may be completed after students have been accepted to the major. Each preparation for the major course must be taken for a letter grade, and the UC grade-point average for all preparation courses must be a minimum of 3.25. In addition, students must have earned a grade of B or better in Global Studies 1.

The application period is once per year, and students must apply no later than the end of fall quarter of their junior year.

Meeting the above minimums does not guarantee admission to the program. Admission is on a competitive basis, using the above qualifications as minimum standards for consideration.

Pre-Major

Incoming first-year and transfer students may be admitted as Global Studies pre-majors on acceptance to UCLA. Pre-major students must apply for the major at the end of fall quarter of their junior year; they are not automatically accepted into the major.

Transfer Students

Transfer applicants to the Global Studies pre-major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one modern world history course, one major world region languages and cultures course, one international politics course, one macroeconomics or microeconomics course, one statistics course, and demonstrated proficiency equivalent to level 3 at UCLA in one modern foreign language. Transfer students must apply for the major by the end of fall quarter of their junior year.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete Global Studies 1 with a grade of B or better, one methods course, demonstrated proficiency equivalent to level 6 at UCLA in one modern foreign language, and five additional courses as follows:

GLBL ST 1 - Introduction to Globalization

Methods

Select one course from:

POL SCI 6 - Introduction to Data Analysis

POL SCI 30 - Politics and Strategy

PUB AFF 60 - Using Data to Learn about Society: Introduction to Empirical Research and Statistics

STATS 10 - Introduction to Statistical Reasoning

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Foreign Language

Demonstrate proficiency equivalent to level 6 at UCLA in one modern foreign language.

Additional Courses

Select five courses; one course from each category and the remaining two courses, taken from two separate categories, may be selected from any list.

CULTURE AND SOCIETY

Only one course from each pair of Comparative Literature 1C or 2CW, 1D or 2DW, and 4CW or 4DW may be applied.

ANTHRO 3 - Culture and Society

ANTHRO 4 - Culture and Communication

COM LIT 1D - Great Books from World at Large

COM LIT 2CW - Survey of Literature: Age of Enlightenment to 20th Century

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4CW - Literature and Writing: Age of Enlightenment to 20th Century

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ETHNMUS M25 - Global Pop

GENDER 10 - Introduction to Gender Studies

GEOG 3 - Cultural Geography

GEOG 6 - World Regions: Concepts and Contemporary Issues

INTL DV 1 - Introduction to International Development Studies

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Additional Culture and Society Courses

One course from the following list may be applied toward the culture and society category:

ASIA AM 10 - History of Asian Americans

ASIA AM 20 - Contemporary Asian American Communities

ASIA AM 20W - Contemporary Asian American Communities

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

CLUSTER M27B - Global Islam

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

HIST 8A - Colonial Latin America

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

I A STD 31 - Introduction to Southeast Asia

I A STD 33 - Introduction to East Asia

I A STD 50 - Introduction to Latin America

ITALIAN 42A - Italy through Ages in English: Saints and Sinners in Early Modern Italy

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 46 - Italian Cinema and Culture in English

M E STD M50CW - Making and Studying Modern Middle East

RUSSN 90A - Introduction to Russian Civilization

RUSSN 90B - Russian Civilization in 20th Century

RUSSN 90BW - Russian Civilization in 20th Century

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

GOVERNANCE AND CONFLICT

CLUSTER 48B - Political Violence in Modern World: Causes, Cases, and Consequences

HIST 1C - Introduction to Western Civilization: Circa 1715 to Present

HIST 10B - History of Africa, 1800 to Present

HIST 12B - Inequality: History of Neoliberalism

HIST 12C - Inequality: Global History of Anti-Colonial Thought and Struggle

HIST 22 - Contemporary World History, 1760 to Present

I A STD 1 - Introduction to International and Area Studies

POL SCI 10 - Introduction to Political Theory

POL SCI 20 - World Politics

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

MARKETS AND RESOURCES

CLUSTER M1A - Food: Lens for Environment and Sustainability

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ENVIRON 12 - Sustainability and Environment

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 5 - People and Earth's Ecosystems

PUB AFF 40 - Microeconomics for Public Affairs

SOCIOL 51 - Sociology of Migration

The Major

Complete nine courses, the summer Global Learning Institute, and the capstone requirement as follows:

GLBL ST 102 - Globalization: Markets and Resources

GLBL ST 103 - Globalization: Governance and Conflict

GLBL ST 104 - Globalization: Culture and Society

Electives

Select six elective courses, two from each of the following categories:

CULTURE AND SOCIETY

ANTHRO 146 - Urban Anthropology

ANTHRO M148 - (When) Do Leaders Make Differences?

ASIA AM M130C - Chinese Immigration

ASIA AM 170 - Transnational Perspectives on Asian America

ASIA AM M172A - Indian Identity in U.S. and Diaspora

ASIA AM 172C - Transnational Bollywood

ASIA AM 178 - Critical Refugee Studies

ASIAN 135 - Asian Foodways across Borders

CCAS 120 - Immigration and Chicano Community

CCAS 143 - Mestizaje: History of Diverse Racial/Cultural Roots of Mexico

CCAS CM147 - Transnational Women's Organizing in Americas

COM LIT 100 - Introduction to Literary and Critical Theory

COM LIT M148 - Contemporary Arab Film and Song

EDUC 109A - Globalization and Learning

ENGL 130 - Introduction to Postcolonial Literatures

ENGL 131 - Studies in Postcolonial Literatures

ENGL 133 - Transatlantic Literatures and Cultures

ENGL 134 - Nationalism and Transnationalism

FILM TV 106C - History of African, Asian, and Latin American Film

FILM TV 112 - Film and Social Change

FILM TV M124 - Sex, Race, and Difference in Transnational Film

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 142 - Francophone Cinema

GENDER 102 - Power

GENDER M147C - Transnational Women's Organizing in Americas

GENDER M162 - Sociology of Gender

GEOG 141 - Cultural Geography of Modern World

GEOG 151 - Uneven Development Geographies: Prosperity and Impoverishment in Third World

GEOG 175A - Japan in World: Culture, Place, and Global Connections

GEOG 175B - Contemporary China

GLBL ST 125 - Los Angeles as Global City: Exporter and Importer of Global Culture

GLBL ST 140 - Hollywood and the Immigrant Experience in America

GLBL ST 141 - Hollywood and Tales of Underrepresented Communities

HNRS 138 - Empire, Border Crossing, and Multiethnic Storytelling

KOREA 153 - Korea West Encounters

POL SCI M184A - Black Experience in Latin America and Caribbean I

RELIGN M107 - Islam in West

SEASIAN C150 - Indigenous Peoples of Southeast Asia

SEASIAN 157 - Gender Issues in Southeast Asia

SOC GEN 134 - Food and Health in Global Perspective

SOCIOL 151 - Comparative Immigration

SOCIOL 152 - Comparative Acculturation and Assimilation

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL M162 - Sociology of Gender

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

GOVERNANCE AND CONFLICT

ASIA AM 171A - Critical Issues in U.S.-China Relations

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

CCAS 151 - Human Rights in Americas

ENVIRON M125 - Environmentalism: Past, Present, and Future

GEOG M131 - Human Impact on Biophysical Environment

GEOG 148 - Political Geography

GEOG 149 - Border Studies: Globalization, Nation, Identity

HIST 121E - History of Modern Europe: Era of Total War, 1914 to 1945

HIST 121F - History of Modern Europe: World War II and Its Aftermath, 1939 to Present

HIST 144 - America in World

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST M186A - Women and Gender, Prehistory to 1792

INTL DV 140 - Decolonizing Political Economy: Colonialism and Development

POL SCI 120A - Foreign Relations of U.S.

POL SCI M122B - Global Environment and World Politics

POL SCI 123A - International Law

POL SCI 123B - International Organizations

POL SCI 125A - Arms Control and International Security

POL SCI 126 - Peace and War

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 137A - International Relations Theory

POL SCI 169 - Special Studies in Comparative Politics

SOCIOL 182 - Political Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

MARKETS AND RESOURCES

ANTHRO 143 - Economic Anthropology

CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

CCAS M125 - U.S./Mexico Relations

CCAS 176 - Globalization and Transnationalism: Local Historical Dynamics and Praxis

ECON 111 - Theories of Development

ECON 113 - Globalization and Gender

ECON 121 - International Trade Theory

ECON 122 - International Finance

ENVIRON 134 - Environmental Economics with Data Analysis

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 135 - Africa and African Diaspora in Americas

GEOG 145 - Slavery and Human Trafficking

GEOG 150 - Economic Geography

GLBL ST 120 - Introduction to International Business

GLBL ST 145 - Rethinking Global Capitalism: Race, Class, Gender, History

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 131A - Marxist Theory and History

HIST 134C - Economic History of Europe, 20th Century

INTL DV M120 - Political Economy of Development

I M STD 155 - Theory, Research, and Methods in Study of International Migration

POL SCI 124A - International Political Economy

POL SCI 151B - African Politics: Political Economy of Africa

POL SCI M167C - Political Economy of Development

POL SCI 167D - Political Institutions and Economic Development

PUB AFF 111 - Microeconomics: Market Failures and Inequality

SPAN 135 - Topics in Early Modern Studies

SOCIOL 183 - Comparative and Historical Sociology

Required Summer Global Learning Institute

After successful completion of two courses from Global Studies 102, 103, 104, students are expected to attend a summer Global Learning Institute at one of several locations around the world in which they enroll in one of the following options:

OPTION 1

GLBL ST 110A - Globalization in Context

GLBL ST 110B - Globalization in Context Research Seminar

OPTION 2

GLBL ST 112AD - Globalization in Context: Markets and Resources

GLBL ST 112BD - Globalization in Context Seminar: World Markets and Resources

OPTION 3

GLBL ST 113AD - Globalization in Context: Governance and Conflict

GLBL ST 113BD - Globalization in Context Seminar: World Governance

OPTION 4

GLBL ST 114AD - Globalization in Context: Culture and Society

GLBL ST 114BD - Globalization in Context Seminar: World Culture and Society

Required Capstone

During their senior year, students must also take two capstone courses—Global Studies 191 and research/field experience practicum: International and Area Studies 195CE or Global Studies 199 or 199A.

GLBL ST 191 - Variable Topics Research Seminars: Global Studies—Senior Seminar

I A STD 195CE - Community and Corporate Internships in International and Area Studies

GLBL ST 199 - Directed Research in Global Studies

GLBL ST 199A - Directed Research in Global Studies

Honors Program

In addition to completing all courses required for the major, students must take courses 199A and 199B, in which they research and write an honors thesis. One of these courses may also satisfy the capstone requirement.

GLBL ST 199A - Directed Research in Global Studies

GLBL ST 199B - Directed Individual Research in Global Studies

Policies

Preparation for the Major Policies

Preparation for the Major courses must be completed with a grade-point average of 3.25 or better

Honors Program

Majors who have completed Global Studies 102, 103, 104, 191, and who have a 3.5 grade-point average (GPA) in all courses offered for the major are eligible to formally apply for the honors program.

To receive honors at graduation, students must have at least a 3.5 GPA in courses applied toward the major (including 199A and 199B) and an overall GPA of 3.25. Highest honors may be granted at the discretion of the faculty sponsor and the faculty committee to students demonstrating exceptional ability on the senior thesis.

Minor

Global Studies Minor

College / School
College of Letters and Science

Department
Global Studies

Level
Undergraduate

Overview

The Global Studies minor offers students a multidisciplinary curriculum in the humanities and social sciences through which they can explore the complex and multifaceted interconnections that characterize the contemporary world. The minor is designed to complement and enrich studies in their major.

Entry to the Minor

Admission

To enter the minor, students must (1) be in good academic standing (minimum 2.0 grade-point average) and (2) have completed Global Studies 1 and one course in two of the following three categories: (a) *culture and society*—Anthropology 3, 4, Asian 70C, Asian American Studies 10, Chicana/o and Central American Studies 10B, Comparative Literature 2CW, 1D or 2DW, 4CW or 4DW, Ethnomusicology 25, French 14, 14W, Gender Studies 10, Geography 3, 6, History 8A, International and Area Studies 31, International Development Studies 1, Italian 42A, 42B, Middle Eastern Studies M50CW, Russian 90B, 90BW, Spanish 42, 44, World Arts and Cultures 20, or 33, (b) *governance and conflict*—Cluster 48B, History 1C,10B, 12B, 12C, 22, International and Area Studies 1, Political Science 10, 20, 50, 50R, or Sociology 1, and (c) *markets and resources*—Economics 1, 2, Environment 12, Clusters M1A, Geography 4, 5, Public Affairs 40, or Sociology 51.

Minor Requirements

The Minor (22 to 25 units)

Complete five courses from the following categories with at least two from the core:

Core

GLBL ST 102 - Globalization: Markets and Resources

GLBL ST 103 - Globalization: Governance and Conflict

GLBL ST 104 - Globalization: Culture and Society

Culture and Society

ANTHRO 146 - Urban Anthropology

ANTHRO M148 - (When) Do Leaders Make Differences?

ASIA AM M130C - Chinese Immigration

ASIA AM 170 - Transnational Perspectives on Asian America

ASIA AM M172A - Indian Identity in U.S. and Diaspora

ASIA AM 172C - Transnational Bollywood

ASIA AM 178 - Critical Refugee Studies

ASIAN 135 - Asian Foodways across Borders

CCAS 120 - Immigration and Chicano Community

CCAS 143 - Mestizaje: History of Diverse Racial/Cultural Roots of Mexico

CCAS CM147 - Transnational Women's Organizing in Americas

COM LIT 100 - Introduction to Literary and Critical Theory

COM LIT M148 - Contemporary Arab Film and Song

EDUC 109A - Globalization and Learning

ENGL 130 - Introduction to Postcolonial Literatures

ENGL 131 - Studies in Postcolonial Literatures

ENGL 133 - Transatlantic Literatures and Cultures

ENGL 134 - Nationalism and Transnationalism

FILM TV 106C - History of African, Asian, and Latin American Film

FILM TV 112 - Film and Social Change

FILM TV M124 - Sex, Race, and Difference in Transnational Film

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 142 - Francophone Cinema

GENDER 102 - Power

GENDER M147C - Transnational Women's Organizing in Americas

GENDER M162 - Sociology of Gender

GEOG 141 - Cultural Geography of Modern World

GEOG 151 - Uneven Development Geographies: Prosperity and Impoverishment in Third World

GEOG 175A - Japan in World: Culture, Place, and Global Connections

GEOG 175B - Contemporary China

GLBL ST 125 - Los Angeles as Global City: Exporter and Importer of Global Culture

GLBL ST 140 - Hollywood and the Immigrant Experience in America

GLBL ST 141 - Hollywood and Tales of Underrepresented Communities

HNRS 138 - Empire, Border Crossing, and Multiethnic Storytelling

KOREA 153 - Korea West Encounters

POL SCI M184A - Black Experience in Latin America and Caribbean I

RELIGN M107 - Islam in West

SEASIAN C150 - Indigenous Peoples of Southeast Asia

SEASIAN 157 - Gender Issues in Southeast Asia

SOC GEN 134 - Food and Health in Global Perspective

SOCIOL 151 - Comparative Immigration

SOCIOL 152 - Comparative Acculturation and Assimilation

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL M162 - Sociology of Gender

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

Governance and Conflict

ASIA AM 171A - Critical Issues in U.S.-China Relations

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

CCAS 151 - Human Rights in Americas

ENVIRON M125 - Environmentalism: Past, Present, and Future

GEOG M131 - Human Impact on Biophysical Environment

GEOG 148 - Political Geography

GEOG 149 - Border Studies: Globalization, Nation, Identity

HIST 121E - History of Modern Europe: Era of Total War, 1914 to 1945

HIST 121F - History of Modern Europe: World War II and Its Aftermath, 1939 to Present

HIST 144 - America in World

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST M186A - Women and Gender, Prehistory to 1792

INTL DV 140 - Decolonizing Political Economy: Colonialism and Development

POL SCI 120A - Foreign Relations of U.S.

POL SCI M122B - Global Environment and World Politics

POL SCI 123A - International Law

POL SCI 123B - International Organizations

POL SCI 125A - Arms Control and International Security

POL SCI 126 - Peace and War

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 137A - International Relations Theory

POL SCI 169 - Special Studies in Comparative Politics

SOCIOL 182 - Political Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

Markets and Resources

ANTHRO 143 - Economic Anthropology

CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

CCAS M125 - U.S./Mexico Relations

CCAS 176 - Globalization and Transnationalism: Local Historical Dynamics and Praxis

ECON 111 - Theories of Development

ECON 113 - Globalization and Gender

ECON 121 - International Trade Theory

ECON 122 - International Finance

ENVIRON 134 - Environmental Economics with Data Analysis

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 135 - Africa and African Diaspora in Americas

GEOG 145 - Slavery and Human Trafficking

GEOG 150 - Economic Geography

GLBL ST 120 - Introduction to International Business

GLBL ST 145 - Rethinking Global Capitalism: Race, Class, Gender, History

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 131A - Marxist Theory and History

HIST 134C - Economic History of Europe, 20th Century

INTL DV M120 - Political Economy of Development

I M STD 155 - Theory, Research, and Methods in Study of International Migration

POL SCI 124A - International Political Economy

POL SCI 151B - African Politics: Political Economy of Africa

POL SCI M167C - Political Economy of Development

POL SCI 167D - Political Institutions and Economic Development

PUB AFF 111 - Microeconomics: Market Failures and Inequality

SPAN 135 - Topics in Early Modern Studies

SOCIOL 183 - Comparative and Historical Sociology

Global Learning Institute

After completing at least two courses from Global Studies 102, 103, 104, Global Studies minors are highly encouraged to participate in a summer Global Learning Institute at one of several locations

around the world. The courses may be applied toward any two of the elective categories (culture and society, governance and conflict, and markets).

GLBL ST 110A - Globalization in Context

GLBL ST 110B - Globalization in Context Research Seminar

GLBL ST 112AD - Globalization in Context: Markets and Resources

GLBL ST 112BD - Globalization in Context Seminar: World Markets and Resources

GLBL ST 113AD - Globalization in Context: Governance and Conflict

GLBL ST 113BD - Globalization in Context Seminar: World Governance

GLBL ST 114AD - Globalization in Context: Culture and Society

GLBL ST 114BD - Globalization in Context Seminar: World Culture and Society

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Graduate Student Professional Development Overview

You're now viewing the 2024-25 Catalog

Division of Graduate Education

1255 Murphy Hall
Box 952801
Los Angeles, CA 90095-2801

Graduate Education
310-825-3819

The Division of Graduate Education sponsors universitywide courses for the professional development of graduate students.

Head and Neck Surgery Overview

You're now viewing the 2024-25 Catalog

David Geffen School of Medicine

62-132 Center for Health Sciences
Box 951624
Los Angeles, CA 90095-1624

Head and Neck Surgery
310-206-3631

Maie St. John, MD, PhD, *Chair*

The Department of Head and Neck Surgery academic programs consist of a nationally recognized residency program, medical school education, prestigious fellowships, and ongoing continuing medical education. A critical success factor in these academic efforts is the high level of clinical expertise demonstrated by all faculty members, which attracts outstanding applicants. Additionally, department faculty members have an active commitment to basic science and clinical research as an integral component of the program of instruction. These tenets not only ensure quality at every educational level, but also provide a superior milieu for the development of teacher-investigators.

The residency program is incorporated into the department patient care and research activities in six affiliated medical centers and exposes residents to all of the subspecialities during their training. Medical student teaching is a combined effort by faculty members, fellows, and residents, consisting of lectures, didactic learning, and hands-on experience in clinical and research settings. The department's one- and two-year fellowships are long-standing and sought after by graduate from the best residency programs in the country. Through the continuation of exceptional educational programs, the department accomplishes its commitment to maintain excellence in patient care, to achieve academically, and to advance research in the field.

For more details on the Department of Head and Neck Surgery and courses offered, see the **department website**.

Head and Neck Surgery **faculty information** is available from the department.

Health Policy and Management Overview

You're now viewing the 2024-25 Catalog

Jonathan and Karin Fielding School of Public Health

31-269 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Health Policy and Management
310-825-2594
Department e-mail

Ninez A. Ponce, MPP, PhD, ***Chair***
Beth A. Glenn-Mallouk, PhD, ***Vice Chair***

The field of health policy and management examines the organization and financing of various health sector and wider social system activities to prevent and treat disease. This includes programs in both the public and private sectors at all levels—local, state, and federal.

Faculty members come from such diverse fields as economics, management, law, statistics, operations research, planning, medicine, history, sociology, and political science. These diverse disciplines are harmonized by their devotion to solving problems—through quantitative, qualitative, and mixed method analyses—in the financing and delivery of health policy and management, with a focus on populations rather than individual patients.

Graduate Study

The Department of Health Policy and Management offers both practice-oriented and research-oriented graduate programs. The primary professional degree, the Master of Public Health (MPH), includes training in various aspects of health administration such as policy formulation, health planning, organization, and management. For information on the MPH and concurrent degree programs, see **Health Policy and Management Department** on the Division of Graduate Education website.

The Executive Programs Office in Health Policy and Management offers two executive degree programs designed for working professionals: Executive Master of Public Health (EMPH) and the online Master of Healthcare Administration (MHA). For more information on these programs, see **Executive Programs** on the department website.

For those interested in careers in research and teaching, the department offers Master of Science (MS) and Doctor of Philosophy (PhD) degrees in Health Policy and Management. These programs maintain close ties with related activities in the schools of dentistry and medicine, including the UCLA **National Clinician Scholars Program**.

Health Policy and Management Faculty Roster

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Professors

Roshan Bastani, PhD
Arturo Vargas Bustamante, MPP, PhD
Warren S. Comulada, MPH, DrPH, *in Residence*
Daniel Eisenberg, PhD
Joann G. Elmore, MD, MPH *(Rosalinde and Arthur Gilbert Foundation Endowed Professor of Health Care Delivery)*
Jose J. Escarce, MD, PhD
Susan L. Ettner, PhD
Jonathan E. Fielding, MD, PhD, *in Residence*
Patricia A. Ganz, MD
Lillian Gelberg, MD, MSPH
Beth A. Glenn-Mallouk, PhD
Neal Halfon, MD, MPH
David E. Hayes-Bautista, PhD
Ronald D. Hays, PhD
S. Jody Heymann, MD, PhD
Felicia S. Hodge, DrPH
Moira Inkelas, MPH, PhD
Clifford Y. Ko, MD *(Robert and Kelly Day Professor of Surgical Outcomes)*
Mark S. Litwin, MD, MPH *(Fran and Ray Stark Foundation Professor of Urology)*
James A. Macinko, Jr., PhD
Carol M. Mangione, MD, MSHS *(Barbara and Gerald Levey Endowed Professor)*

Vickie M. Mays, MSPH, PhD
Jeanne Miranda, PhD, *in Residence*
Jack S. Needleman, PhD
Michael K. Ong, MD, PhD, *in Residence*
Ninez A. Ponce, MPP, PhD *(Fred W. and Pamela K. Wasserman Professor of Health Policy and Management)*
Nadereh Pourat, MSPH, PhD, *in Residence*
Thomas H. Rice, PhD
Linda Rosenstock, MD, MPH
Brennan M.R. Spiegel, MD, MSHS, *in Residence*
Kenneth B. Wells, MD, MPH, *in Residence (David Weil Professor of Psychiatry and Biobehavioral Sciences)*
Frederick J. Zimmerman, PhD

Professors Emeriti

Emily K. Abel, PhD
Ronald M. Andersen, PhD
William Comanor, PhD
Robert M. Kaplan, PhD
Gerald F. Kominski, PhD

Associate Professors

Kristen R. Choi, RN, PhD
Yusuke Tsugawa, MD, MPH, PhD, *in Residence*
Xi Zhu, PhD

Assistant Professors

Russell G. Buhr, MD, FACP, PhD, *in Residence*
Vilsa E. Curto, PhD
Olivia S. Jung, PhD
Adam B. Schickedanz, MD, PhD, *in Residence*
Lauren E. Wisk, PhD, *in Residence*
Naomi B. Zewde, PhD

Adjunct Professors

Barbara A. Berman, PhD, *Emerita*
Paul J. Chung, MD, MS
Pamela L. Davidson, MS, PhD
Laura S. Erskine, MBA, PhD
Arlene Fink, PhD
Yvonne N. Flores, MPH, PhD
Brenda L. Freshman, PhD
Deborah A. Freund, PhD
Paul C. Fu, Jr., MD, MPH
Michael R. Galper, MPH, CPA
Diana W. Hilberman, MSP, MSPH, DrPH, *Emerita*
Alice A. Kuo, MD, PhD
Annette E. Maxwell, DrPH, *Emerita*
William J. McCarthy, PhD, *Emeritus*
Thomas M. Priselac, MPH
Anthony H. Schiff, JD, MPH
Stephanie L. Taylor, MPH, PhD
Leah J. Vriesman, MBA, MHA, PhD
Elizabeth M. Yano, MSPH, PhD

Adjunct Associate Professors

Sangeeta C. Ahluwalia, MPH, PhD
Emmeline Chuang, PhD
Burton O. Cowgill, MPH, PhD
Julie A. Elginer, DrPH
Aria Fallah, MD, MSc, FRCSC, FAANS
Risha Gidwani-Marszowski, DrPH
Z. John Lu, PhD
Corrina Moucheraud, ScD
Dylan H. Roby, PhD

Adjunct Assistant Professors

Jun Chu, MPH, PhD
Priyanka Fernandes, MD, MPH
Candace M. Gragnani, MD, MPH
Emily R. Hotez, PhD
Srikanth Kadiyala, PhD
Michelle S. Keller, MPH, PhD
Dhruv Khurana, PhD

Peter V. Long, PhD
Isomi M. Miake-Lye, PhD
Lori S. Pelliccioni, JD, PhD
Kashia L.A. Rosenau, PhD
Lindsay A. Williams, RN, PhD
Joelle Wolstein, MPP, MA, PhD

Major

Executive Master of Public Health

College / School

Jonathan and Karin Fielding School of Public Health

Department

Health Policy and Management

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Health Policy and Management MS, PhD

College / School

Jonathan and Karin Fielding School of Public Health

Department

Health Policy and Management

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Overview

Students have the opportunity to collaborate with the department's seven existing centers by actively engaging in progressive health services research across a wide breadth of topics, examining issues and finding solutions to critical health care problems locally, nationally, and globally. Graduates pursue careers in universities, as well as in public and private agencies involved in health services research and health policy analysis.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Healthcare Administration

College / School

Jonathan and Karin Fielding School of Public Health

Department

Health Policy and Management

Degree Level

Graduate

Degree Objective

Master of Healthcare Administration

Overview

Students have the opportunity to collaborate with the department's seven existing centers by actively engaging in progressive health services research across a wide breadth of topics, examining issues and finding solutions to critical health care problems locally, nationally, and globally. Graduates pursue careers

in universities, as well as in public and private agencies involved in health services research and health policy analysis.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

History Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

6265 Bunche Hall
Box 951473
Los Angeles, CA 90095-1473

History
310-825-4601

Kevin B. Terraciano, PhD, ***Chair***

History is the study of the past of our own society and how it emerged out of the traditions that produced it. At the same time, self-knowledge for students of history comes not only from self-discovery, but from a comparison of their own tradition and experience with those of others. It is only by studying the history of other civilizations and cultures that we can hope to gain perspective on our own.

The course offerings in the Department of History are designed to bring about an understanding of the forces that have shaped the many cultures of this country and the world. UCLA has one of the largest, most distinguished, and most diverse history faculties in the country. Its main emphasis is on the many aspects of social history; but intellectual, cultural, and political history are also strongly represented.

Career Prospects

The undergraduate History major is flexible and far-reaching. Leading to a Bachelor of Arts (BA) degree, it is excellent preparation for a wide variety of careers—law, teaching, business, the communications media, public services, and medicine.

The graduate program leads to the Doctor of Philosophy (PhD) degree in History (a master's degree may be earned in the process of completing PhD requirements). Traditionally, the Master of Arts (MA) and PhD in History have led to careers in high school, college, and university teaching. Increasingly, they are also being put to use in government service, international business, museum and archival work, and journalism.

Undergraduate Policies

Advanced Placement Credit in History

For entering first-year students, no course credit is granted for any AP examination.

History Faculty Roster

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Professors

Andrew Apter, PhD
Sebouh D. Aslanian, PhD *(Richard Hovannisian Professor of Modern Armenian History)*
Eric R. Avila, PhD
Stephen A. Bell, PhD
Soraya de Chadarevian, PhD
Robin L.H. Derby, PhD *(Dr. E. Bradford Burns Professor of Latin American Studies)*
Caroline C. Ford, PhD
James L. Gelvin, PhD
Stella Ghervas, PhD *(Eugen Weber Professor of Modern European History)*
Nile S. Green, PhD *(Ibn Khaldun Endowed Professor of World History)*
F. Tobias Higbie, PhD
Katsuya Hirano, PhD
Robin D.G. Kelley, PhD *(Gary B. Nash Endowed Professor of U.S. History)*
Jamie Kreiner *(Robert and Dorothy Wellman Chair in Medieval History)*
Vinay Lal, PhD
Ghislaine E. Lydon, PhD
Kelly A. Lytle Hernández, PhD *(Thomas E. Lifka Professor of History)*
Valerie J. Matsumoto, PhD *(George and Sakaye Aratani Professor of Japanese American Incarceration, Redress, and Community)*
Michael Meranze, PhD
David N. Myers, PhD *(Sady and Ludwig Kahn Professor of Jewish History)*
Anthony R. Pagden, PhD
H. Glenn Penny, PhD *(Henry J. Bruman Professor of German History)*
Carla Gardina Pestana, PhD *(Joyce Oldham Appleby Endowed Professor of America in the World)*
David D. Phillips, PhD

Sarah Abrevaya Stein, PhD *(Viterbi Family Endowed Professor of Mediterranean Jewish Studies)*
Alexandra Minna Stern, PhD
Brenda Stevenson, PhD *(Nickoll Family Endowed Professor of History)*
Sanjay Subrahmanyam, PhD *(Irving and Jean Stone Professor)*
William R. Summerhill, PhD
Kevin B. Terraciano, PhD *(Robert N. Burr Endowed History Department Professor)*
Stefania Tutino, PhD
Richard von Glahn, PhD
Gregory D. Woolf, PhD *(Ronald J. Mellor Professor of Ancient History)*
David K. Yoo, PhD

Professors Emeriti

Edward A. Alpers, PhD
Francis R. Anderson, BA
Stephen A. Aron, PhD *(Robert N. Burr Endowed History Department Professor Emeritus)*
Peter Baldwin, PhD
Ivan T. Berend, PhD
Kathryn Bernhardt, PhD
Ruth H. Bloch, PhD
Robert P. Brenner, PhD
Giorgio Buccellati, PhD
Claus-Peter Clasen, PhD
Robert Dallek, PhD
Ellen C. DuBois, PhD
John Duncan, PhD
Christopher Ehret, PhD
Benjamin A. Elman, PhD
Robert G. Frank, Jr., PhD
Stephen P. Frank, PhD
Saul P. Friedländer, PhD *(1939 Club Professor Emeritus)*
Frank O. Gatell, PhD
Patrick Geary, PhD
J. Arch Getty, PhD
Carlo Ginzburg, Laurea in lettere *(Franklin D. Murphy Professor Emeritus of Italian Renaissance Studies)*
Robert A. Hill, MSc
Thomas S. Hines, PhD
Daniel W. Howe, PhD
Philip C. Huang, PhD
Lynn A. Hunt, PhD *(Eugen Weber Professor Emerita of Modern European History)*
Margaret C. Jacob, PhD

Russell Jacoby, PhD
Nikki Keddie, PhD
Naomi R. Lamoreaux, PhD
John H. Laslett, DPhil
Peter J. Loewenberg, PhD
Afaf Marsot, DPhil
Lauro R. Martines, PhD
Ronald J. Mellor, PhD
Michael G. Morony, PhD
Kathryn Norberg, PhD
Fred G. Notehelfer, PhD
Patricia O'Brien, PhD
Theodore M. Porter, PhD
Merrick Posnansky, PhD
Geoffrey Robinson, PhD
Teófilo F. Ruiz, PhD *(Robert and Dorothy Wellman Professor Emeritus of Medieval History)*
David Sabean, PhD *(Henry J. Bruman Professor Emeritus of German History)*
Michael Salman, PhD
Debora L. Silverman, PhD *(Presidential Professor Emeritus of Modern European History)*
Geoffrey W. Symcox, PhD
Albion M. Urdank, PhD
Joan Waugh, PhD
Scott L. Waugh, PhD
Richard Weiss, PhD
James W. Wilkie, PhD
Matthew Norton Wise, PhD
R. Bin Wong, PhD
William H. Worger, PhD
Mary A. Yeager, PhD

Associate Professors

Scot D. Brown, PhD
Eddie R. Cole, PhD
Jessica L. Goldberg, PhD
Andrea S. Goldman, PhD
Peter J. Hudson, PhD
Benjamin L. Madley, PhD
Katherine M. Marino, PhD
William Marotti, PhD
Kyle T. Mays, PhD
Muriel C. McClendon, PhD

Minayo A. Nasiali, PhD
Fernando Pérez-Montesinos, PhD
Peter J. Stacey, PhD
Sharon J. Traweek, PhD
Bharat J. Venkat, PhD
Craig B. Yirush, PhD

Assistant Professors

Miloš Jovanović, PhD
Kevin Y. Kim, PhD
Choon Hwee Koh, PhD
Jared G. McBride, PhD
Elizabeth O'Brien, PhD
Vivien Tejada
Hollian Wint, PhD
Meng Zhang, PhD

Senior Lecturer SOE

S. Scott Bartchy, PhD, *Emeritus*

Senior Lecturers

Mary F. Corey, PhD
John S. Langdon, PhD

Lecturers

Maran Momdjian, PhD
Chien-Ling L. Zeleny, PhD

Adjunct Professor

Amir Alexander, PhD

Adjunct Associate Professor

Tawny Paul, PhD

Major

History BA

College / School
College of Letters and Science

Department
History

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Learning Outcomes

1. Demonstrated appropriate mastery of a specialized area of history

2. Demonstrated critical understanding of current scholarly concerns, literature, and debates

3. Identification and analysis of primary sources

4. Design and execution of a research project, drawing on primary sources and appropriate scholarly literature

5. Demonstrated ability to organize and present a brief oral presentation about research

Entry to the Major

Pre-Major

While students are completing the lower-division preparation for the major courses, they may be classified as History pre-majors.

After completing the six courses with a minimum grade-point average of 2.0, students should petition to enter the major in one of the undergraduate counseling offices, 6284 or 6290 Bunche Hall.

Transfer Students

Transfer applicants to the History major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one semester or two quarters of history of Western civilization or world history, one historical practice course, and three additional lower-division history courses.

Transfer credit for the pre-major courses is subject to department approval. Transfer students should consult with the undergraduate counselors before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete six lower-division history courses as follows:

History Survey

Select two history survey courses from:

HIST 1A - Introduction to Western Civilization: Ancient Civilizations, Prehistory to circa AD 843

HIST 1B - Introduction to Western Civilization: Circa 843 to circa 1715

HIST 1C - Introduction to Western Civilization: Circa 1715 to Present

HIST 2B - Social Knowledge and Social Power

HIST 2C - Religion, Occult, and Science: Mystics, Heretics, and Witches in Western Tradition, 1000 to 1600

HIST 3A - History of Science: Renaissance to 1800

HIST 3B - History of Science: Enlightment to 1900

HIST 3C - History of Science: 20th Century

HIST 3D - History of Modern Medicine

HIST M4 - Introduction to History of Religions

HIST 5 - Holocaust: History and Memory

HIST 8A - Colonial Latin America

HIST 8B - Modern Latin America

HIST 8C - Latin American Social History

HIST 9A - Introduction to Asian Civilizations: History of India

HIST 9C - Introduction to Asian Civilizations: History of Japan

HIST 9D - Introduction to Asian Civilizations: History of Middle East

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

HIST M10A - History of Africa to 1800

HIST 10B - History of Africa, 1800 to Present

HIST 11A - History of China: To 1000

HIST 11B - History of China, circa 1000 to 2000

HIST 12A - Inequality: History of Mass Imprisonment

HIST 12B - Inequality: History of Neoliberalism

HIST 12C - Inequality: Global History of Anti-Colonial Thought and Struggle

HIST 13A - History of the U.S. and Its Colonial Origins: Colonial Origins and First Nation Building Acts

HIST 13B - History of the U.S. and Its Colonial Origins: 19th Century

HIST 13C - History of the U.S. and Its Colonial Origins: 20th Century

HIST 14 - Atlantic World, 1492 to 1830

HIST 20 - World History to AD 600

HIST 21 - World History, circa 600 to 1760

HIST 22 - Contemporary World History, 1760 to Present

History 94, 96W, or 97A through 97O

Select one course from the following courses or History 97A through 97O.

HIST 94 - What Is History? An Introduction to Historical Thinking and Practice

HIST 96W - Introduction to Historical Practice

HISTORY 97A THROUGH 97O

History 97A through 97O

Additional Lower-Division History Courses

Select three additional lower-division history courses (except History 19, 89, 89HC, 99).

Lower-Division History Courses (except History 19, 89, 89HC, 99).

The Major

At least 10 upper-division history courses, including:

U.S. history

Complete two courses in U.S. history.

Non-Western History

Complete two courses in non-Western history from the same area (i.e., Latin America, Asia, Near East, Africa).

European History or History of Science

Complete two courses in European history or in history of science.

Topics in Historiography

Select one course from 187A through C187R:

History 187A through C187R

Capstone

Select one capstone seminar from the History 191 series:

History 191 series

History before 1700 CE

One of the 16 courses for the preparation for the major and major must predominantly cover history before 1700 CE, selected from the following list of courses or range:

HIST 1A - Introduction to Western Civilization: Ancient Civilizations, Prehistory to circa AD 843

HIST 1B - Introduction to Western Civilization: Circa 843 to circa 1715

HIST 2C - Religion, Occult, and Science: Mystics, Heretics, and Witches in Western Tradition, 1000 to 1600

HIST 3A - History of Science: Renaissance to 1800

HIST 8A - Colonial Latin America

HIST 9A - Introduction to Asian Civilizations: History of India

HIST 9C - Introduction to Asian Civilizations: History of Japan

HIST 9D - Introduction to Asian Civilizations: History of Middle East

HIST M10A - History of Africa to 1800

HIST 11A - History of China: To 1000

HIST 11B - History of China, circa 1000 to 2000

HIST 14 - Atlantic World, 1492 to 1830

HIST 20 - World History to AD 600

HIST 21 - World History, circa 600 to 1760

HIST 102A - Iran and Persianate World

HIST M103A - History of Ancient Egypt

HIST M103B - History of Ancient Egypt

HIST M104A - History of Ancient Mesopotamia and Syria

HIST M104B - Sumerians

HIST M104C - Babylonians

HIST M104D - Assyrians

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST M106 - Premodern Islam

HIST 107A - Armenian History: Armenia in Ancient and Medieval Times, 2nd Millennium BC to AD 11th Century

HIST 107B - Armenian History: Armenia from Cilician Kingdom through Periods of Foreign Domination and National Stirrings, 11th to 19th Centuries

HIST 108A - History of North Africa from Islamic Conquest

HIST 108B - History of Islamic Iberia

HIST M110A - Iranian Civilization: History of Achaemenid Empire

HIST M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

HIST M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 121A - History of Modern Europe: Renaissance and Reformation, 1450 to 1660

HIST 121B - History of Modern Europe: Baroque Culture and Absolutist Politics, 1600 to 1715

HIST 122A - Cultural and Intellectual History of Modern Europe, 15th Century

HIST 122B - Cultural and Intellectual History of Modern Europe, 16th Century

HIST 122C - Cultural and Intellectual History of Modern Europe, 17th Century

HIST 124A - History of France: France, 1500 to 1715

HIST 125D - History of Low Countries

HIST M127A - History of Russia, Origins to Rise of Muscovy

HIST 128A - History of Italy, 1350 to 1559

HIST 128B - History of Italy, 1559 to 1848

HIST 129A - Social History of Spain and Portugal: Age of Silver in Spain and Portugal, 1479 to 1789

HIST 130 - History of European Political Thought

HIST M133A - History of Women in Europe, 800 to 1715

HIST 135A - Europe and World: Exploration and Conquest, 1400 to 1700

HIST 136A - History of Britain: Tudor-Stuart Times, 1485 to 1715

HIST 157A - Early Latin America

HIST 157B - Indians of Colonial Mexico

HIST 162B - Brazil and Atlantic World, 1500 to 1822

HIST 164B - Topics in African History: Africa and Slave Trade

HIST 166A - History of West Africa: West Africa, Earliest Times to 1800

HIST 167A - History of Northeast Africa

HIST 167B - History of East Africa

HIST 168A - History of Southern Africa, Origins to 1870

HIST 169A - Thought and Society in China to 1000

HIST 170A - Culture and Power in Late Imperial China

HIST M170C - History of Women in China, AD 1000 to Present

HIST 172A - Japan—Ancient and Medieval History

HIST 172B - Japanese History: Early Modern, 1600 to 1868

HIST M173C - Shinto, Buddhism, and Japanese Folk Religion

HIST 174A - Early History of India

HIST M174D - Indo-Islamic Interactions, 700 to 1750

HIST 176A - History of Southeast Asia to 1815

HIST 176E - Vietnam: Past and Present

HIST M182A - Ancient Jewish History

HIST M182B - Medieval Jewish History

HIST M185D - Religions of Ancient Near East

HIST M185F - History of Early Christians

HIST M185G - Religious Environment of Early Christians

HIST M185I - Jesus of Nazareth in Historical Research

HIST M186A - Women and Gender, Prehistory to 1792

HISTORY 112A THROUGH 119D

History 112A through 119D

Honors Program

The honors thesis must be completed in three terms, on the basis of work carried out in History 198A, 198B, and 198C.

HIST 198A - Honors Research in History

HIST 198B - Honors Research in History

HIST 198C - Honors Research in History

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

Each course must be taken for a letter grade.

There is no language requirement for the major; however, students wishing to enter the honors program or planning to do graduate work in history are urged to pursue language study early in their undergraduate careers.

Honors Program

The honors program is designed for History majors who are interested in completing a year-long research project that culminates in an honors thesis. A 3.5 departmental grade-point average is required for admission. To graduate with departmental honors, students must have a cumulative or overall GPA of at least 3.0 in all University-level coursework and at least a 3.5 GPA in all coursework required for the major.

The honors thesis must be completed in three terms, on the basis of work carried out in History 198A, 198B, and 198C. Students must register their intention to undertake an honors thesis with the undergraduate affairs vice chair no later than spring quarter of their junior year.

When students register for honors, they must provide the undergraduate affairs vice chair with a two-paragraph description of their thesis project, which must be approved in writing by the faculty member who agrees to act as their adviser. The undergraduate affairs vice chair must also approve the proposed project in writing.

The faculty adviser is primarily responsible for guiding the thesis work to its completion and assigns grades for the honors courses after the thesis is complete. The honors thesis should be 40 to 60 pages in length and be based on primary source material. Determination of the level of honors awarded (no honors,

honors, or highest honors) is made by the undergraduate affairs vice chair, acting in conjunction with the honors committee, at the end of the term in which the thesis is completed.

Minor

History Minor

College / School
College of Letters and Science

Department
History

Level

Undergraduate

Overview

The History minor introduces students to historical processes and institutions.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and file a petition in the Undergraduate office, 6284 Bunche Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete any two lower-division history courses.

Required Upper-Division Courses (20 units)

Complete any five upper-division history courses.

Policies

The Minor Policies

At least three of the five courses must be taken in residence at UCLA.

A maximum of 4 units of special studies courses (199) approved by the adviser and a maximum of 4 units of capstone seminars (191) may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

History of Science, Technology, and Medicine Minor

College / School

College of Letters and Science

Department

History

Level

Undergraduate

Overview

The History of Science, Technology, and Medicine minor takes as its subject matter the ideas, practices, and people concerned with the knowledge of the natural and social world. Using the tools of historical analysis, it explores the development, significance, and impact of science, technology, and medicine around the world. The goal of the minor is to give undergraduates majoring in fields other than history the opportunity to pursue a rigorous program in the historical dimensions of science, technology, and

medicine, and their place in society. Students will learn to think critically and write analytically about these subjects.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (2.0 grade-point average), have completed 45 units and at least one lower-division course in the history of science or medicine for a letter grade, and file a petition with an adviser in the History Department undergraduate counseling offices, 6284 or 6290 Bunche Hall.

Minor Requirements

The Minor

Students must take seven classes to satisfy the requirements for the minor. The lower-division requirement is designed to give the student a broad understanding (in time and space) of the historical development of science, technology, and medicine. The upper-division requirement allows students to choose from an array of more focused classes.

Required Lower-Division Courses (10 units)

Select two courses from:

- HIST 2B - Social Knowledge and Social Power
- HIST 3A - History of Science: Renaissance to 1800
- HIST 3B - History of Science: Enlightment to 1900
- HIST 3C - History of Science: 20th Century
- HIST 3D - History of Modern Medicine

Required Upper-Division Courses (20 units)

Select five courses on topics in history of science, technology, and medicine from:

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST 179C - Medicine and Society in 20th-Century America

HIST 180A - Topics in History of Science

HIST M180B - Historical Perspectives on Gender and Science

HIST 180C - Science and Technology in 20th Century

HIST 187I - Variable Topics Historiography Proseminar: Science/Technology

HIST 191I - Capstone Seminar: History—Science/Technology

Research Paper

Students are required to write at least one research paper on a topic in history of science, technology, or medicine. To this end, they must take at least one of the following: History 191I (capstone research seminar); History 199 (individual independent study approved by department adviser); or an honors collegium seminar with a required research paper.

HIST 191I - Capstone Seminar: History—Science/Technology

HIST 199 - Directed Research in History

Policies

The Minor Policies

History 191I and 199 may be applied only once toward the minor.

Honors collegium courses with significant history of science, technology, and medicine content may be applied toward the upper-division course requirement for the minor.

One upper-division course outside the department may be counted toward the minor, with approval of the history of science field coordinator. The course must address social, historical, and philosophical aspects of science, technology, and medicine.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must maintain an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

History MA, CPhil, PhD

College / School
College of Letters and Science

Department
History

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Honors Collegium Overview

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College of Letters and Science

A311 Murphy Hall
Box 951414
Los Angeles, CA 90095-1414

Honors Collegium
310-825-1553
Program e-mail

Maria (Maite) T. de Zubiaurre, PhD, *Chair*

The Honors Collegium is a series of courses with an interdisciplinary emphasis designed for students enrolled in College Honors. It encourages animated discussion among students, as well as between students and professors and seeks to promote scholarly exchange across the major disciplines at UCLA. And it offers small classes and individual attention.

Each Honors Collegium course is staffed by a director who is distinguished in teaching and scholarship and may include a variable number of guest lecturers and additional specialists in their fields. Some courses satisfy general education requirements and serve as preparation for numerous majors in the College of Letters and Science. Counselors are available in the Honors Programs Office, A311 Murphy Hall, to advise and help students plan an integrated academic program.

Courses in the Honors Collegium are mainly interdisciplinary seminars, and the courses vary each year. Refer to the **Schedule of Classes** for current course listings.

Honors Collegium Faculty Committee

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Maria (Maite) T. de Zubiaurre, PhD *(European Languages and Transcultural Studies, Spanish and Portuguese)*
Robert B. Goldberg, PhD *(Molecular, Cell, and Developmental Biology)*
Christina G. Palmer, PhD *(Human Genetics, Psychiatry and Biobehavioral Sciences, Society and Genetics)*
Zrinka Stahuljak, PhD *(Comparative Literature, European Languages and Transcultural Studies)*
Christopher C. Tilly, PhD *(Sociology, Urban Planning)*
Aaron Tornell, PhD *(Economics)*
Aradhna K. Tripati, PhD *(Atmospheric and Oceanic Sciences; Earth, Planetary, and Space Sciences; Environment and Sustainability)*

Human Genetics Overview

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David Geffen School of Medicine

6506 Gonda Center
Box 957088
Los Angeles, CA 90095-7088

Human Genetics
310-794-5423
Department e-mail

Leonid Kruglyak, PhD, *Chair*

The goal of the graduate program is to train the next generation of leaders in human genetics. This broad and rapidly evolving field of research incorporates multiple areas of modern experimental biology (including but not limited to molecular and behavioral genetics, epigenetics, biochemistry, cell and developmental biology, imaging, and large-scale omics approaches such as genomics, transcriptomics, and functional genomics) and of computational biology (including bioinformatics and biostatistics). In their research, students tackle Mendelian diseases and genetically complex traits of key relevance to human health.

A wide variety of courses is offered to equip future independent researchers with fundamental knowledge about state-of-the-art methods for generating experimental data on a genome-wide scale and computational and statistical approaches to draw from the data sound conclusions of biological and medical significance. In addition, courses on medical and ethical issues provide students with a societal perspective on human genetics.

Graduate students are expected to demonstrate integrity, creativity, critical thinking, perseverance, motivation, and determination to work hard; effective and appropriate oral and written communication skills needed for scientific presentation of the data including content, organization, logical flow, grammar,

vocabulary, and proper citations; and the ability to design, revise, create, and implement experimental protocols and computational programs. They learn topics including transfer of biological information in a living organism, how genotype affects phenotype (subsuming environment), genetic variation in population, principles of research in genetics and genomics; and themes including evolution of thought in genetics and genomics history, how genetic informs disease and vice versa, genomics and integrating current tools in genomics research (statistical analysis, big data, and bioinformatics), and analysis in genetics and genomics.

An MD/PhD program is also offered.

Human Genetics Faculty Roster

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Professors

Daniel J. Benjamin, PhD
Paul C. Boutros, PhD
Manish J. Butte, PhD
Esteban C. Dell'Angelica, PhD
Eleazar Eskin, PhD
Jonathan F. Flint, MD, *in Residence (Billy and Audrey Wilder Endowed Professor of Psychiatry and Neuroscience)*
Brent L. Fogel, MD, PhD, *in Residence*
Nelson B. Freimer, MD, *in Residence (Maggie G. Gilbert Endowed Professor of Bipolar Disorders)*
Daniel H. Geschwind, MD, PhD, *in Residence (Gordon and Virginia MacDonald Distinguished Professor of Human Genetics)*
Michael B. Gorin, MD, PhD *(Harold and Pauline Price Professor of Ophthalmology)*
Wayne W. Grody, MD, PhD
Eran Halperin, PhD
Deborah Krakow, MD
Leonid Kruglyak, PhD
Kenneth L. Lange, PhD *(Maxine and Eugene Rosenfeld Endowed Professor of Computational Genetics)*
Jingyi Jessica Li, PhD
Kirk E. Lohmueller, PhD
Aldons J. Lusis, PhD
Stanley F. Nelson, MD, *in Residence (Dr. Allen and Charlotte Ginsburg Endowed Professor of Translational Genomics)*
Roel A. Ophoff, PhD, *in Residence*

Paivi E. Pajukanta, MD, PhD *(Diller-von Furstenberg Family Endowed Professor of Precision Clinical Genomics)*

Christina G.S. Palmer, PhD, *in Residence*

Bogdan Pasaniuc, PhD

Matteo Pellegrini, PhD

Joseph R. Pisegna, MD, *in Residence*

Karen Reue, PhD

Jerome I. Rotter, MD, PhD, *in Residence*

Sriram Sankararaman, PhD

Eric M. Sobel, PhD, *in Residence*

Paul T. Spellman, PhD

Marc A. Suchard, MD, PhD

Stephen G. Young, MD *(Edward W. Carter Professor of Internal Medicine)*

Professors Emeriti

Rita M. Cantor, PhD

Stephen D. Cederbaum, MD

Guoping Fan, PhD

Richard A. Gatti, MD *(Rebecca Smith Professor Emeritus of A-T Research)*

Associate Professors

Valerie A. Arboleda, MD, PhD

Julian A. Martinez-Agosto, MD, PhD

Noah A. Zaitlen, PhD

Assistant Professors

Michael J. Gandal, PhD, *in Residence*

Nandita R. Garud, PhD

Chongyuan Luo, PhD

Loes M. Olde Loohuis, PhD, *in Residence*

Debora Rodrigues Sobreira, PhD

Michael F. Wells, PhD

Yi Yin, PhD

Adjunct Professor

Jeanette C. Papp, PhD

Adjunct Assistant Professor

Rebecca L. LeShay Araujo, MS, CGC

Major

Genetic Counseling MS

College / School
David Geffen School of Medicine

Department
Human Genetics

Degree Level
Graduate

Degree Objective
Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Human Genetics MS, PhD

College / School
David Geffen School of Medicine

Department
Human Genetics

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Overview

The program offers the MS and PhD degrees; graduate study leading to a PhD degree is emphasized. Under special circumstances, and only after consultation with and approval by the Department of Human

Genetics, individuals may apply for admission to the MS program.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Articulated Degree Programs

0558 - Doctor of Medicine

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Indo-European Studies Overview

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Interdepartmental Program
College of Letters and Science

100 Dodd Hall
Box 951417
Los Angeles, CA 90095-1417

Indo-European Studies
310-825-4171

Stephanie W. Jamison, PhD, ***Chair***

The primary focus of the interdisciplinary Indo-European Studies program is the study of the ancient Indo-European languages and of their reconstructed ancestor, Proto-Indo-European, based on methods drawn from comparative-historical, theoretical, and computational linguistics. Goals of this study include the reconstruction of the Proto-Indo-European language, elucidating its subsequent development into the historical Indo-European languages, and showing how data from the archaic Indo-European languages contribute to a theory of language. There is also attention to other aspects of the nonmaterial culture of the speakers of Proto-Indo-European (such as social structure, religious beliefs, mythology, and poetics), and how these are reflected in the textual traditions of the ancient Indo-European languages.

Indo-European Studies Faculty

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Faculty Committee

David M. Goldstein, PhD *(Linguistics)*
Stephanie W. Jamison, PhD *(Asian Languages and Cultures)*
Anthony D. Yates, PhD *(Near Eastern Languages and Cultures)*

Faculty Roster

Professors

David M. Goldstein, PhD
Stephanie W. Jamison, PhD

Professor Emeritus

Brent H. Vine, PhD

Assistant Professor

Anthony D. Yates, PhD

Lecturer

John B. Clayton, PhD

Major

Indo-European Studies MA, CPhil, PhD

College / School

College of Letters and Science

Department

Indo-European Studies

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Information Studies Overview

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School of Education and Information Studies

207 School of Education and Information Studies Building
Box 951520
Los Angeles, CA 90095-1520

Information Studies
310-825-5269
Department e-mail

Todd M. Franke, PhD, *Interim Chair*

The Department of Information Studies has one of the top-ranked programs of its kind in the country and has developed an international reputation in the areas of information policy, information-seeking behavior, user interface development, archives, preservation, and cataloging. Whether students choose to pursue a master's degree or doctorate degree, they graduate with a broad understanding of both theory and practice.

For information about the department and programs, see the **department website**.

Career Prospects

Students with Master of Library and Information Science (MLIS) degrees go on to careers as librarians, archivists, and information professionals in a variety of organizational settings. The Doctor of Philosophy (PhD) focuses on the preparation of scholars in the field.

Information Studies Faculty Roster

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Professors

Michelle L. Caswell, PhD
Jonathan Furner, PhD
Anne J. Gilliland-Swetland, PhD
Kimberley Gomez, PhD
Louis M. Gomez, PhD
Christopher M. Kelty, PhD
Safiya U. Noble, PhD *(David O. Sears Presidential Endowed Professor of Social Sciences)*
Ellen J. Pearlstein, MA
Ramesh Srinivasan, PhD

Professors Emeriti

Marcia J. Bates, PhD
Howard A. Besser, PhD
Christine L. Borgman, PhD *(Presidential Professor Emerita of Information Studies)*
Clara M. Chu, PhD
Johanna R. Drucker, PhD *(Martin and Bernard Breslauer Professor Emerita of Bibliography)*
Leah A. Lievrouw, PhD
Beverly P. Lynch, PhD
John V. Richardson, PhD
Elaine Svenonius, PhD

Diana M. Thomas, PhD
Virginia A. Walter, PhD

Associate Professors

Jean-François Blanchette, PhD
Gregory H. Leazer, DLS
Robert D. Montoya, PhD
Sarah T. Roberts, PhD
Shawn G. VanCour, PhD

Assistant Professors

Cindy Anh Nguyen, PhD
Miriam Posner, PhD
Noopur A. Raval, PhD
Tonia N. Sutherland, PhD, MLIS
Thuy Vo Dang, PhD

Lecturers

Melissa A. Gill, MLIS
May Hong HaDuong, MA
Luiz H. Mendes, MLIS
Meredith A. Reese, MA

Minor

Information and Media Literacy Minor

College / School

School of Education and Information Studies

Department

Information Studies

Level

Undergraduate

Overview

The Information and Media Literacy minor is designed for students who wish to augment their major program with a group of related courses that provide a systematic, focused, and critical introduction to information and media literacies. The core courses together with electives provide students with an understanding of the processes, dynamics, and societal implications of the production and dissemination of information and media and skills for their judicious evaluation, consumption, and productive use.

Entry to the Minor

Admission

To enter the minor, students must have a cumulative grade-point average of 2.3 or better, have completed one required lower-division or upper-division course with a grade of B or better, and submit the minor application. Applications are available on the minor website.

Minor Requirements

The Minor

Required Lower-Division Core Courses (10 units)

Select two courses from:

- INF STD 10 - Information and Power
- INF STD 20 - Digital Cultures and Societies
- INF STD 30 - Internet and Society

Required Upper-Division Core Courses (8 units)

Complete the following two courses. Education M121 is multiple-listed with Information Studies M121.

- EDUC M121 - Introduction to Media Literacies
- INF STD C115 - Introduction to Information Literacies
- INF STD M121 - Introduction to Media Literacies

Upper-Division Elective Courses (12-15 units)

Select three courses from:

- EDUC 105C - Comparative Educational Policies and Practices

EDUC 107A - Race, Class, and Education Inequality in U.S.

EDUC 109A - Globalization and Learning

EDUC 109B - Global Citizenship Education

EDUC 126 - Language, Literacy, and Academic Development: Educational Considerations for School-Age Multilingual and English Language Learner Students

EDUC M131C - Culture, Communications, and Human Development Research Group Seminars

EDUC 133 - Literacy in Society

EDUC M135 - Environmental Justice through Lens of Media and Education

EDUC M137 - Critical Digital Media Literacies

EDUC 144 - Pedagogies of Global Citizenship Education

EDUC CM178 - Critical Media Literacy and Politics of Gender: Theory and Production

INF STD 118 - Data and Ethics in Society

INF STD M135 - Environmental Justice through Lens of Media and Education

INF STD M137 - Critical Digital Media Literacies

INF STD 180 - Special Topics in Information Studies

INF STD 199 - Directed Research in Information Studies

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and be a minimum of 4 units. Students must have a cumulative grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Information Studies PhD

College / School

School of Education and Information Studies

Department

Information Studies

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Library and Information Science

College / School

School of Education and Information Studies

Department

Information Studies

Degree Level

Graduate

Degree Objective

Master of Library and Information Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0498 - Latin American Studies MA

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Integrative Biology and Physiology Overview

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College of Letters and Science

125 Hershey Hall
Box 957246
Los Angeles, CA 90095-7246

Integrative Biology and Physiology
Graduate Office, 310-825-5022
E-mail contact
Undergraduate Office, 310-825-3892
E-mail contact

Rachelle H. Crosbie, PhD, ***Chair***
Patricia E. Phelps, PhD, ***Vice Chair, Undergraduate Education***

The cornerstone of the Physiological Science curriculum is vertebrate physiology, with emphases on integrative functions. The research and educational programs of the Department of Integrative Biology and Physiology focus on integrative physiology at several levels of organization from molecules to living organisms, microscopic structures to macroscopic organization, and cellular properties to organ functions. Students receive comprehensive instruction in all areas of physiological science, while elective courses reflect faculty research expertise, including developmental neurobiology, gene regulation/neural development, cellular neurobiology, molecular neurobiology, neuromuscular physiology, neuroendocrine physiology, cardiac physiology, diet and degenerative disease, auditory and visual behavior, biomechanics of rehabilitative medicine, muscle cell biology, inflammatory cell biology, vascular biology, cardiac electrophysiology, neuromotor control, and social control of neuronal plasticity.

Integrative Biology and Physiology Faculty Roster

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Professors

Gene D. Block, PhD, *Chancellor*
Rachelle H. Crosbie, PhD
Eric J. Deeds, PhD
Mark A. Frye, PhD
David L. Glanzman, PhD
Fernando Gómez-Pinilla, PhD, *in Residence*
Ketema N. Paul, PhD
Patricia E. Phelps, PhD
Gina R. Poe, PhD *(Eleanor Leslie Professor of Innovative Brain Research)*
Amy C. Rowat, PhD *(Marcie H. Rothman Presidential Professor of Food Studies)*
Barnett A. Schlinger, PhD
James G. Tidball, PhD
David W. Walker, PhD
Stephanie A. White, PhD
Roy Wollman, PhD
Xinshu Grace Xiao, PhD
Xia Yang, PhD

Professors Emeriti

Arthur P. Arnold, PhD

R. James Barnard, PhD
Scott H. Chandler, PhD
V. Reggie Edgerton, PhD
Gordon L. Fain, PhD
Gerald W. Gardner, PhD
Alan Garfinkel, PhD
Alan D. Grinnell, PhD
Margaret E. Haberland-Noce, PhD
Peter M. Narins, PhD
Judith L. Smith, PhD
Allan J. Tobin, PhD *(Eleanor I. Leslie Professor Emeritus of Neuroscience)*

Associate Professors

Stephanie M. Correa, PhD
Elaine Y. Hsaio, PhD *(De Logi Professor of Biological Sciences)*
Claudio J. Villanueva, PhD

Assistant Professors

Kacie D. Deters, PhD
Duncan B. Leitch, PhD
Pearl J. Quijada, PhD

Senior Lecturer

Ronald H. Cooper, PhD

Lecturer SOE

Rachel L. Kennison, PhD

Lecturer

Joseph Esdin, PhD

Adjunct Professors

Tama W. Hasson, PhD
Million Mulugeta, DVM, PhD

Adjunct Associate Professors

Anthony R. Friscia, PhD
Janel E. Le Belle, PhD
Mark J. Tramo, PhD

Adjunct Assistant Professors

J. Edward Van Veen, PhD
Sharmila Venugopal, PhD

Major

Physiological Science BS

College / School

College of Letters and Science

Department

Integrative Biology and Physiology

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Learning Outcomes

1. Demonstrated broad-based knowledge of the fundamentals of anatomy and vertebrate physiology

2. Demonstrated ability to address scientific questions or solve problems using quantitative and inquiry-related skills, including developing hypotheses, designing and performing experiments, analyzing data, and interpreting results

3. Reading and understanding of primary scientific literature

4. Understanding key questions and hypotheses

5. Interpretation of results and conclusions

6. Discrimination of quality through critique

7. Appreciation for research by participating in one or more laboratory experiences

8. Value science and research and their relevance to one's own life and society

Entry to the Major

Admission

To enter the Physiological Science major, students must complete Chemistry and Biochemistry 14A, 14B, and 14C, or 20A, 20B, and 30A, Life Sciences 7A, 7B, Mathematics 3A, 3B, and 3C, or 31A, 31B, and 32A, or Life Sciences 30A, 30B, and 40, or Statistics 13, and Physics 1A or 5A, with a minimum grade of C in each course and a grade-point average of 2.5 or better in all before fall quarter of their third year. Repetition of more than one of these nine preparation courses results in denial of admission to the major. After successful completion of the courses, students must contact the Undergraduate Advising Office to declare the major.

Transfer Students

Transfer applicants to the Physiological Science major with 90 or more quarter units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second

semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Transfer credit for UCLA Extension coursework and for any departmental courses is subject to prior approval by the department; consult with the undergraduate counselor before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Life Sciences Core Curriculum

CHEMISTRY

Select one series from:

Chemistry 14 series

- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 14B - General Chemistry for Life Scientists II
- CHEM 14BL - General and Organic Chemistry Laboratory I
- CHEM 14C - Structure of Organic Molecules
- CHEM 14CL - General and Organic Chemistry Laboratory II
- CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

- CHEM 20A - Chemical Structure
- CHEM 20B - Chemical Energetics and Change
- CHEM 20L - General Chemistry Laboratory
- CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

CHEM 30BL - Organic Chemistry Laboratory I

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 series

Students may select either Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

Mathematics 31 series

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete the following five courses and five upper-division physiological science electives:

PHYSCI 107 - Systems Anatomy

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

PHYSCI 111L - Physiological Science Laboratory

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

Upper-Division Physiological Science Electives

> Complete a total of five upper-division physiological science electives. Eight units of course 199 or 4 units each (8 units total) of courses 198A and 198B, for students in the departmental honors program, may be applied toward the elective requirement.

Honors Program

The honors program provides exceptional students with the opportunity for individual research culminating in an honors thesis.

Policies

Preparation for the Major Policies

For all preparation courses, students must complete each course with a grade of C or better. Repetition of more than one preparation course results in dismissal from the major.

The Major Policies

One 200-level graduate course may be applied toward the elective requirement with departmental approval. Courses 189HC, 191H, 192, 193, 195, 196, and graduate courses at the 300, 400, or 500 level may not be applied toward the elective requirement.

Each required and elective course must be taken for a letter grade, and a C average must be maintained in all upper-division courses taken for the major. A grade of C or better is required in Physiological Science 107 and 111A to enroll in course 111B. If students fail to meet these requirements, they may be dismissed from the major.

Honors Program

Students must have a 3.0 overall grade-point average (GPA) and a 3.2 GPA in the Life Sciences core curriculum. After completion of all requirements and with the recommendation of the faculty adviser, the undergraduate affairs committee confers departmental honors at graduation.

Major

Physiological Science MS

College / School

College of Letters and Science

Department

Integrative Biology and Physiology

Degree Level

Graduate

Degree Objective

Master of Science

Overview

Applicants interested in pursuing graduate study may apply directly to the interdepartmental Molecular, Cellular, and Integrative Physiology PhD program or the interdepartmental Neuroscience PhD program.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

International and Area Studies Overview

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Interdepartmental Program
College of Letters and Science

10256 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

International and Area Studies
310-206-6571
Program e-mail

Adam D. Moore, PhD, *Chair*

The International Institute offers a variety of area studies majors and minors through the International and Area Studies interdepartmental program (IDP). The overarching goal of each of these programs is to address the need for students to have a broad understanding of the international nature of the world and guide them through a course of study that allows them to apply that knowledge to a particular region of interest. The majors are structured so that area-specific content proceeds in tandem with instruction in the humanities and social sciences disciplines that provide the tools for analyzing the cultures, social structures, polities, and histories of the regional areas.

Emphasizing the contemporary world since 1750, the majors establish a common conceptual and thematic basis for study of regional areas. Students take a common core course that illuminates the international character of the contemporary world and introduces a set of contemporary issues and challenges that cross borders and regions. Thematic and conceptual courses equip students with a variety of disciplinary tools they can use to study a particular area or region. Studies culminate in a capstone seminar.

Undergraduate Study

Students considering a major or minor in the interdepartmental program should consult with the academic counselor as soon as possible in their UCLA career, but in no case later than the point at which they are about to begin taking upper-division courses. Students should select courses to fulfill major or minor requirements in consultation with the academic counselor.

International and Area Studies Faculty Committee

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Robin L.H. Derby, PhD *(History)*
Patrick C. Heuveline, PhD *(Sociology)*
Jennifer J. Jung-Kim, PhD, *(Asian Languages and Cultures)*
Namhee Lee, PhD *(Asian Languages and Cultures)*
Adam D. Moore, PhD *(Geography)*
Helen M. Rees, PhD *(Ethnomusicology)*
Bonnie Taub, PhD *(Anthropology, Community Health Sciences)*
Kevin B. Terraciano, PhD *(History)*
Michael F. Thies, PhD *(Political Science)*
Dov Waxman, PhD

Major

African and Middle Eastern Studies BA

College / School
College of Letters and Science

Department
International and Area Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The African and Middle Eastern Studies major allows students to analyze the area or a subregion (e.g., Middle east, North Africa, Arab states, sub-Saharan Africa) from an interdisciplinary and modern

perspective. The major seeks to ground students in broad international issues that they can then use to focus on particular concerns of that part of the world.

Study Abroad

African and Middle Eastern Studies majors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about study abroad programs is available through the UCLA International Education Office by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Capstone Major

The African and Middle Eastern Studies major is a designated capstone major. Students must complete a capstone seminar or travel-abroad program in which they engage in an in-depth analysis of a specific region or a thematic subject that spans regions. Through conceiving and executing a project, students demonstrate their working knowledge of scholarly discourse relative to a specialized topic. Student research, analytic, and writing skills are exhibited through their capstone work, along with their collaborative and oral communication skills.

Learning Outcomes

1. In-depth analysis of a specific region or a thematic subject that spans regions
2. Demonstrated critical understanding of issues relevant to a specific region or theme
3. Demonstrated skills, including research, analysis, and writing
4. Identification and analysis of appropriate sources, material evidence, and other forms of primary documents

5. Demonstrated proficiency at collaborative engagement with peers through constructive feedback on written drafts and oral presentations

6. Demonstrated proficiency at using peer feedback to enhance student's own work

7. Effective communication of complex ideas in a seminar setting

8. Demonstrated effective oral and written communication of research findings

9. Conception and execution of a project that identifies and engages with a specialized topic

10. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Admission

To be eligible to declare the African and Middle Eastern Studies major, students must have completed International and Area Studies 1 with a grade of C or better. The African and Middle Eastern Studies major requires students to complete the intermediate level of the foreign language requirement in an African or Middle East language by graduation in order to fulfill all preparation requirements.

Transfer Students

Transfer applicants to the African and Middle Eastern Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two courses from sociocultural anthropology, cultural geography, contemporary world history, and world literature and two courses from comparative politics, economic geography, macroeconomics, microeconomics, and introductory sociology. Transfer students must apply for the major by the end of fall quarter of their junior year.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Each preparation for the major course must be taken for a letter grade, and students must have a UC grade-point average of 2.0 or better in those courses. In addition, students must have earned a grade of C or better in International and Area Studies 1.

Major Requirements

Preparation for the Major

Complete International and Area Studies 1, one area studies course, two international politics and markets courses, two international societies and cultures courses, and one area-related foreign language sequence through the intermediate level as follows:

I A STD 1 - Introduction to International and Area Studies

Area Studies

Select one course from:

ART HIS 28 - Arts of Africa

HIST 9D - Introduction to Asian Civilizations: History of Middle East

HIST 10B - History of Africa, 1800 to Present

HIST 97F - Introduction to Historical Practice: Variable Topics in Near Eastern History

HIST 97J - Introduction to Historical Practice: Variable Topics in African History

M E STD M50CW - Making and Studying Modern Middle East

PORTGSE 40A - Portuguese, Brazilian, and African Literature in Translation: Portuguese and Portuguese-African Literature

International Politics and Markets

Select two courses from the following. Only one course from Political Science 50 or 50R may be applied.

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

International Societies and Cultures

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Foreign Language

Complete one area-related foreign language sequence through the intermediate level such as the following examples. The language requirement can also be fulfilled in part or in total by taking a placement examination given through the appropriate language department.

ARABIC 102C - Intermediate Standard Arabic

ARMENIA 102C - Intermediate Modern Western Armenian

ARMENIA 105C - Intermediate Modern Eastern Armenian

HEBREW 102C - Intermediate Hebrew

IRANIAN 102C - Intermediate Persian

TURKIC 102C - Advanced Turkish

TURKIC 112C - Advanced Uzbek

TURKIC 116C - Advanced Azeri

The Major

Complete one capstone seminar and 11 upper-division courses divided among area studies and international themes as follows:

Area Studies

Select seven courses from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select three courses from the following. Ethnomusicology 161E, 161L, and 161N are 2 units each.

ARABIC M110 - One Thousand and One Nights/Alf Layla Wa-Layla

ARABIC 120 - Islamic Texts

ARABIC C141 - Modern Arabic Literature

ARABIC M151 - Modern Arabic Literature in English

ARMENIA 150A - Survey of Armenian Literature in English

ARMENIA C151 - Armenian Literature and Canon Formation

ARMENIA C152 - Modern Armenian Drama as Vehicle for Social Critique

ARMENIA C153 - Art, Politics, and Nationalism in Modern Armenian Literature

ARMENIA 160A - Armenian Literature of 19th and 20th Centuries

ARMENIA 160B - Armenian Literature of 19th and 20th Centuries

ART HIS C120 - Selected Topics in Islamic Art

ART HIS C145A - Architecture and Urbanism in Africa

ART HIS C145B - Contemporary Arts of Africa

COM LIT M148 - Contemporary Arab Film and Song

COM LIT M162 - Israel Seen through Its Literature

COM LIT 169 - Continental African Authors

ETHNMUS 136A - Music of Africa

ETHNMUS C136B - Music of Africa

ETHNMUS 161E - Advanced World Music Performance Organizations: Music and Dance of Ghana

ETHNMUS 161L - Advanced World Music Performance Organizations: Music of Persia

ETHNMUS 161N - Advanced World Music Performance Organizations: Music of Near East

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 142 - Francophone Cinema

HEBREW M113 - Contemporary Israeli Short Stories/Novellas and Films in English

HEBREW C140 - Modern Hebrew Poetry and Prose

IRANIAN 141 - Persian Analytical Prose

IRANIAN 142 - Persian Popular Ethics

IRANIAN 150A - Survey of Persian Literature in English

IRANIAN 150B - Survey of Persian Literature in English

ISLM ST C151 - Islamic Thought

JEWISH M142 - Modern Israel: Politics, Society, Culture

JEWISH M144 - Zionism: Ideology and Practice in Making of Jewish State

JEWISH 151B - Modern Jewish Literature in English: Israeli Literature

JEWISH 175 - Modern Israeli Literature Made into Films

TURKIC 160 - Turkish Tradition

TURKIC 165 - Islamic Literary Heritage of Central Asia

TURKIC 180 - Modern Turkic Languages and Peoples

SOCIAL SCIENCES GROUP 1

Select three courses from:

ANTHRO 135 - Visual Anthropology: Documentary Photography

ANTHRO 166P - Sub-Saharan Africa

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ANTHRO 167 - Culture Area of Middle East

GEOG 138 - Wildlife Conservation in Eastern and Southern Africa

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST 107C - Armenian History: Armenia in Modern and Contemporary Times, 19th and 20th Centuries

HIST 109B - History of Israeli-Palestinian Conflict, 1881 to Present

HIST 111C - Topics in Middle Eastern History: Modern

HIST 164B - Topics in African History: Africa and Slave Trade

HIST 164D - Topics in African History: Africa and Diaspora in Global and Comparative Perspective

HIST 164E - Topics in African History: Africa, 1945 to Present

HIST 166B - History of West Africa: West Africa since 1800

HIST 167A - History of Northeast Africa

HIST 167B - History of East Africa

HIST 167C - History of Central Africa

HIST 168B - History of Southern Africa since 1870

HIST M184D - History of Zionism and State of Israel

HNRS M157 - International Relations of Middle East

POL SCI 132A - International Relations of Middle East

POL SCI 151A - African Politics: Government and Politics of Africa

POL SCI 151B - African Politics: Political Economy of Africa

POL SCI 151C - African Politics: Special Topics in African Politics

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in groups 1 and 2 focus on contemporary issues of that region after 1750. Students may substitute a maximum of three upper-division courses with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies electives as long the distribution between humanities and arts and social sciences is maintained. Courses may be selected from the following lists:

Humanities and Arts Group 2

AN N EA 124 - Middle Egyptian Technical Literature

AN N EA M130 - Ancient Egyptian Religion

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

AN N EA C165 - Egyptian Archaeology

ARABIC 130 - Classical Arabic Texts

ARABIC 132 - Philosophical and Kalam Texts

ARABIC 150 - Classical Arabic Literature in English

ARMENIA 130 - Armenian Civilization under Bagratid Dynasty, 884 to 1064

ARMENIA 131 - Armenian Civilization in Cilician Period, 1080 to 1375

ARMENIA C155 - Issues in Armenian American Literature and Culture

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

ART HIS 119A - Western Islamic Art

FRNCH 160 - Francophone Cultures in English

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

IRANIAN M110A - Iranian Civilization: History of Achaemenid Empire

IRANIAN M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

IRANIAN M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

IRANIAN 120 - Comparative Study of Six Major Persian Poets

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 140 - Persian Belles Lettres (Adabiyyat)

ISLM ST 130 - Shi'a in Islamic History

JEWISH 140A - American Jewish History, 1654 to 1914

JEWISH 140B - American Jewish History, 1914 to the Present

JEWISH 143 - Introduction to Jewish Folklore

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

JEWISH 150B - Hebrew Literature in English: Rabbinic Judaism

JEWISH M151A - Modern Jewish Literature in English: Diaspora Literature

JEWISH M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

JEWISH M182A - Ancient Jewish History

JEWISH M182B - Medieval Jewish History

JEWISH M182C - Modern Jewish History

JEWISH M184B - History of Anti-Semitism

TURKIC 170 - Turco-Mongolian Nomadic Empires

WL ARTS C139 - Afro-Caribbean Ritual Arts

Social Sciences Group 2

GEOG 135 - Africa and African Diaspora in Americas

HIST M103A - History of Ancient Egypt

HIST M103B - History of Ancient Egypt

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST M106 - Premodern Islam

HIST 107A - Armenian History: Armenia in Ancient and Medieval Times, 2nd Millennium BC to AD 11th Century

HIST 107D - Introduction to Armenian Oral History

HIST 108A - History of North Africa from Islamic Conquest

HIST 108B - History of Islamic Iberia

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 116A - Byzantine History

HIST 116B - Byzantine History

HIST 166A - History of West Africa: West Africa, Earliest Times to 1800

HIST 168A - History of Southern Africa, Origins to 1870

International Themes

Select four courses from international politics and markets and international societies and cultures as follows:

INTERNATIONAL POLITICS AND MARKETS

Select two courses from:

ANTHRO 143 - Economic Anthropology

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ECON 121 - International Trade Theory

ECON 122 - International Finance

ENVIRON 134 - Environmental Economics with Data Analysis

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 148 - Political Geography

GEOG 150 - Economic Geography

INTL DV 130 - Theory and History in International Development

MGMT 109 - International Business Law

MGMT 127C - International Taxation

POL SCI M122B - Global Environment and World Politics

POL SCI 123A - International Law

POL SCI 124A - International Political Economy

POL SCI 125A - Arms Control and International Security

POL SCI 126 - Peace and War

POL SCI 129 - Diplomacy and War

POL SCI 134 - Foreign Policy Decision Making and Tools of Statecraft

POL SCI 137A - International Relations Theory

POL SCI 150 - Political Violence

POL SCI 166 - Comparative Constitutional Design

POL SCI M167C - Political Economy of Development

POL SCI 167D - Political Institutions and Economic Development

POL SCI 168 - Comparative Political Analysis

SOCIOL 182 - Political Sociology

SOCIOL 183 - Comparative and Historical Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from:

ANTHRO 130 - Study of Culture

ANTHRO 140 - Study of Social Systems

ANTHRO 146 - Urban Anthropology

ANTHRO 147 - Development Anthropology

ART HIS C160 - Art and Empire

COMM 179 - Images of U.S.

COM LIT 100 - Introduction to Literary and Critical Theory

ENVIRON M133 - Environmental Sociology

FILM TV 112 - Film and Social Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 139C - Problems in Geography: Culture and Environment in Modern World

GEOG 140 - Social Geography

GEOG 141 - Cultural Geography of Modern World

GEOG 158 - Population Geography

GEOG 161 - Cities and Social Difference

HIST M186B - Global Feminism, 1850 to Present

HNRS M152 - (When) Do Leaders Make Differences?

INTL DV 110 - Culture, Power, and Development

SOCIOL 116 - Social Demography

SOCIOL 151 - Comparative Immigration

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 191D - Undergraduate Seminar: Sociology of Development

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

Capstone

Complete the following course:

I A STD 191 - Variable Topics Senior Research Seminars: International and Area Studies

Honors Program

The honors program is designed to offer highly motivated majors the opportunity to design and conduct their own independent research under the guidance of a faculty adviser and consists of a three-term directed-study series of courses culminating in an honors thesis.

I A STD 198A - Honors Research in International and Area Studies

I A STD 198B - Honors Research in International and Area Studies

I A STD 198C - Honors Research in International and Area Studies

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

To count as one 4-unit course, 2-unit courses must either be taken twice or two courses from the same category (if applicable) may be taken. Each course must be taken for a letter grade, with a minimum overall grade-point average of 2.0.

Honors Program

Admission

To enter the honors program, students must (1) have completed all preparation for the major requirements with a minimum 3.5 grade-point average in those courses, (2) have a 3.5 grade-point average in all upper-division coursework for the major, (3) obtain agreement from a faculty member to supervise their honors thesis, and (4) formally submit an application to the honors program. Application should normally be made during the junior year so as to best plan for completion of the honors thesis during the senior year. Contact the academic counselor for more details about the application, thesis requirements, and guidelines regarding the selection of a faculty thesis adviser.

Requirements

Honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.5 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an honors thesis (approximately 35 to 50 pages) determined to be of honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Highest honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.75 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an exceptional honors thesis (approximately 35 to 50 pages) determined to be of highest honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

Major

Asian Studies BA

College / School
College of Letters and Science

Department
International and Area Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Asian Studies major allows students to analyze the area or a subregion (e.g., Central Asia, East Asia, South Asia, Southeast Asia) from an interdisciplinary and modern perspective. The major seeks to ground

students in broad international issues that they can then use to focus on particular concerns of that part of the world.

Study Abroad

Asian Studies majors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Capstone Major

The African Studies major is a designated capstone major. Students must complete a capstone seminar or travel-abroad program in which they engage in an in-depth analysis of a specific region or a thematic subject that spans regions. Through conceiving and executing a project, students demonstrate their working knowledge of scholarly discourse relative to a specialized topic. Student research, analytic, and writing skills are exhibited through their capstone work, along with their collaborative and oral communication skills.

Learning Outcomes

1. In-depth analysis of a specific region or a thematic subject that spans regions
2. Demonstrated critical understanding of issues relevant to a specific region or theme
3. Demonstrated skills, including research, analysis, and writing
4. Identification and analysis of appropriate sources, material evidence, and other forms of primary documents

5. Demonstrated proficiency at collaborative engagement with peers through constructive feedback on written drafts and oral presentations

6. Demonstrated proficiency at using peer feedback to enhance student's own work

7. Effective communication of complex ideas in a seminar setting

8. Demonstrated effective oral and written communication of research findings

9. Conception and execution of a project that identifies and engages with a specialized topic

10. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Transfer Students

Transfer applicants to the Asian Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two courses from sociocultural anthropology, cultural geography, contemporary world history, and world literature and two courses from comparative politics, economic geography, macroeconomics, microeconomics, and introductory sociology.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Each preparation for the major course must be taken for a letter grade, and students must have a UC grade-point average of 2.0 or better in those courses. In addition, students must have earned a grade of C or better in International and Area Studies 1.

Major Requirements

Preparation for the Major

Complete International and Area Studies 1, one area studies course, two international politics and markets courses, two international societies and cultures courses, and one area-related foreign language sequence through the intermediate level as follows:

I A STD 1 - Introduction to International and Area Studies

Area Studies

Select one course from:

ART HIS 29 - Chinese Art

ART HIS 31 - Art of India and Southeast Asia

ASIAN 30 - Languages and Cultures of Asia

CHIN 40 - Popular Culture in Modern Chinese Societies

CHIN 50 - Chinese Civilization

CHIN 50W - Chinese Civilization

CHIN M60 - Introduction to Chinese Religions

CHIN M60W - Introduction to Chinese Religions

CHIN 80 - Chinese Cinema: Pictures, Prisms, Products, Projections

CLUSTER 25A - Politics, Society, and Urban Culture in East Asia

HIST 9A - Introduction to Asian Civilizations: History of India

HIST 9C - Introduction to Asian Civilizations: History of Japan

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

HIST 11B - History of China, circa 1000 to 2000

HIST 97G - Introduction to Historical Practice: Variable Topics in East Asian History

HIST 97M - Introduction to Historical Practice: Variable Topics in Southeast Asian History

HIST 97N - Introduction to Historical Practice: Variable Topics in Indian History

I A STD 31 - Introduction to Southeast Asia

I A STD 33 - Introduction to East Asia

JAPAN 50 - Japanese Civilization

JAPAN 70 - Images of Japan: Literature and Film

JAPAN 75 - Anime

JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan

KOREA 40W - Korean Wave: Globalization of South Korean Popular Culture

KOREA 50 - History of Korean Civilization

KOREA M60 - Introduction to Korean Religions

KOREA 70 - Images of Korea

KOREA 80 - Introduction to Korean Cinema

International Politics and Markets

Select two courses from the following. Only one course from Political Science 50 or 50R may be applied.

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

International Societies and Cultures

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Foreign Language

Complete one area-related foreign language sequence through the intermediate level such as the following examples. The language requirement can also be fulfilled in part or in total by taking a placement examination given through the appropriate language department.

CHIN 6 - Intermediate Modern Chinese

CHIN 6A - Intermediate Modern Chinese for Advanced Students

FILIPNO 6 - Intermediate Filipino

HIN-URD 100C - Intermediate Hindi-Urdu

INDO 6 - Intermediate Indonesian

JAPAN 6 - Intermediate Modern Japanese

KOREA 6 - Intermediate Modern Korean

THAI 6 - Intermediate Thai

VIETMSE 6 - Intermediate Vietnamese

The Major

Complete one capstone seminar and 11 upper-division courses divided among area studies and international themes as follows:

Area Studies

Select seven courses from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select three courses from the following. Ethnomusicology 161B is 2 units.

ART HIS C148D - Advanced Chinese Art

ART HIS C148E - Art in Modern China

ART HIS C150B - Advanced Japanese Art

ART HIS C154C - Advanced Indian Art

ART HIS 154D - Modern and Contemporary South Asian Art

ASIAN 151 - Buddhist Literature in Translation

ASIAN 161 - Topics in Asian Religions

ASIAN 162 - Buddhist Meditation Traditions

CHIN C120 - Introduction to Chinese Linguistics

CHIN 124 - Taiwanese Language and Culture

CHIN 125 - Taiwanese Language and Expressive Cultures

CHIN 130B - Readings in Modern Chinese Literature

CHIN 131 - World Sinophone Literature: Theories and Texts

CHIN 139 - Gardens in China

CHIN C144 - Translation Workshop: Modern Chinese Texts

CHIN C150A - Lyrical Traditions

CHIN C150B - Chinese Literature in Translation: Traditional Narrative and Fiction

CHIN 151 - Chinese Literature in Translation: Modern Literature

CHIN 152 - Topics in Contemporary Chinese Literature and Culture

CHIN 155 - Topics in Chinese Cinema

CHIN C156 - Variable Topics in Culture and Society in Taiwan

CHIN CM160 - Chinese Buddhism

CHIN 165 - Introduction to Chinese Buddhist Texts

CHIN 174 - Chinese Strategic Thought

CHIN 176 - Neo-Confucianism

CHIN 180 - Chinese Mythology and Supernatural

CHIN 185 - Food and Love in Chinese Culture

CHIN 191B - Variable Topics Research Seminars: 20th-Century China and Taiwan

COM LIT M176 - Literature and Technology

COM LIT C178 - India Ink: Literature and Culture of Modern South Asia

ETHNMUS 146 - Folk Music of South Asia

ETHNMUS 147 - Survey of Classical Music in India

ETHNMUS C150 - Music and Politics in East Asia

ETHNMUS C156A - Music in China

ETHNMUS 156B - Music in China

ETHNMUS 157 - History of Chinese Opera

ETHNMUS C159 - Music on China's Periphery

ETHNMUS 160 - Survey of Music in Japan

ETHNMUS 161B - Advanced World Music Performance Organizations: Music of Bali

FILIPNO 155 - Topics in Filipino Cinema and Literature

FILIPNO 170 - People, Society, and Culture of Philippines

JAPAN 124 - Language and Culture of Ryukyu/Okinawa

JAPAN CM127 - Contrastive Analysis of Japanese and Korean

JAPAN 130A - Readings in Modern Japanese Literature

JAPAN 130B - Readings in Modern Japanese Literature

JAPAN 130C - Readings in Modern Japanese Literature

JAPAN 151 - Japanese Literature in Translation: Modern

JAPAN 154 - Postwar Japanese Culture through Literature

JAPAN 155 - Topics in Japanese Cinema

JAPAN M156 - Literature and Technology

JAPAN CM160 - Japanese Buddhism

JAPAN 161 - Religious Life in Modern Japan

JAPAN 170 - Japanese Tales of Supernatural

JAPAN C182 - Japanese Folklore

JAPAN 191B - Variable Topics Research Seminars: Modern Japan

KOREA C105A - Reading Korean Academic Texts

KOREA C105B - Reading Korean Academic Texts

KOREA C105C - Reading Korean Academic Texts

KOREA CM127 - Contrastive Analysis of Japanese and Korean

KOREA 148A - Reading Modern Korean Academic Texts

KOREA C151 - Korean Literature in Translation: Modern

KOREA 153 - Korea West Encounters

KOREA 154 - Contemporary Korean Culture through Literature and Film

KOREA 155 - Topics in Korean Cinema

KOREA CM160 - Korean Buddhism

KOREA 172 - Topics in Korean Christianity

KOREA C177 - Intellectual History of Modern Korea

KOREA 179 - Gender and Sexuality in Korean Literature

KOREA 180C - History of Korea since 1876

KOREA 182 - 1894 Kabo Reforms: History at Crossroads of Civilizations

KOREA 183 - Korean Folklore

KOREA 184B - Women in History: Modern Korea

KOREA 185 - Education and Society in Korea

KOREA M186 - Korea and Vietnam: Comparative Modern Histories

KOREA 187 - Popular and Folk Religion in Korea

KOREA 191B - Variable Topics Research Seminars: Contemporary Korean History

S ASIAN 155 - Topics in South Asian Cinema and Literature

SEASIAN 130 - Topics in Southeast Asian Literature

SEASIAN 135 - Religion and Society in Southeast Asia

SEASIAN C140 - Zomia: Peoples, Societies, and Cultures of Upland Southeast Asia

SEASIAN C150 - Indigenous Peoples of Southeast Asia

THEATER 102A - Theater of Japan

VIETMSE CM155 - Topics in Vietnamese Cinema and/or Literature

VIETMSE 180B - Vietnam: History and Civilization, 1858 to Present

VIETMSE M186 - Korea and Vietnam: Comparative Modern Histories

SOCIAL SCIENCES GROUP 1

Select three courses from:

ANTHRO M145T - Women's Voices: Their Critique of Anthropology of Japan

ANTHRO 163P - Ideology and Social Change in Contemporary China

ANTHRO 163Q - Societies of Central Asia

ANTHRO 163R - Japan

ASIA AM 171A - Critical Issues in U.S.-China Relations

ASIA AM 171B - Critical Issues in U.S.-Japan Relations

ASIA AM 171C - Critical Issues in U.S.-Korea Relations

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

GENDER M164A - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

GENDER M170C - History of Women in China, AD 1000 to Present

GENDER M173B - Women in 20th-Century Japan

GEOG 175A - Japan in World: Culture, Place, and Global Connections

GEOG 175B - Contemporary China

GEOG 176A - Southeast Asia

HIST 170B - Selected Topics in Chinese History from 1500

HIST 170D - 20th-Century China

HIST 172C - Modern Japanese History, 1850 to 1945

HIST M173C - Shinto, Buddhism, and Japanese Folk Religion

HIST 174C - Contemporary South Asia

HIST 175A - Cultural and Political History of Contemporary South Asia

HIST 175C - Special Topics in Contemporary Indian History

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST 176C - Philippine History

POL SCI 158 - Southeast Asian Politics

POL SCI 159A - Government and Politics of China: Chinese Revolution and Age of Mao Zedong

POL SCI 159B - Government and Politics of China: China in Age of Reform

POL SCI 160 - Government and Politics of Japan

SOCIOL 181A - Sociology of Global China

SOCIOL 181B - Sociology of Contemporary China

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in groups 1 and 2 focus on contemporary issues of that region after 1750. Students may substitute a maximum of three upper-division courses with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies electives as long the distribution between humanities and arts and social sciences is maintained. Courses may be selected from the following lists:

Humanities and Arts Group 2

ART HIS C148A - Art and Material Culture, Neolithic to 210 BC

ART HIS C148B - Art and Material Culture of Early Imperial China, 210 BC to AD 906

ART HIS C148C - Art and Material Culture of Late Imperial China, 906 to 1911

ART HIS 150A - Japanese Art

ART HIS 152A - Arts of Korea

ART HIS C152B - History of Korean Painting

ART HIS C152C - History of Korean Ceramics

ART HIS C152D - History of Korean Buddhist Art

ART HIS 154A - Early Art of India

ART HIS 154B - Later Art of India

ART HIS 156 - Arts of Southeast Asia

CHIN C175 - Introduction to Chinese Thought

CHIN M183 - Archaeological Landscapes of China

CHIN 186 - Archaeology in China

CHIN 191A - Variable Topics Research Seminars: Classical China

JAPAN 165 - Introduction to Japanese Buddhist Texts

JAPAN 172 - Fiction and Plays of Floating World

JAPAN 174 - Classical Japanese Poetry

KOREA C150 - Korean Literature in Translation: Classical

KOREA 165 - Introduction to Korean Buddhist Texts

KOREA 180A - History of Korea through 1259

KOREA 180B - History of Korea, 1260 through 1876

KOREA 184A - Women in History: Premodern Korea

KOREA 191A - Variable Topics Research Seminars: Premodern or Early Modern Korea

S ASIAN CM160 - Buddhism in India

Social Sciences Group 2

ANTHRO 116P - Archaeology of South Asia

ANTHRO 116Q - Selected Topics in Archaeology of China

ASIA AM 111 - Asian Americans and War

ASIA AM 113 - Asian Americans and Law

ASIA AM 121 - Exploring Asian American Theater

ASIA AM 122B - Gender and Film in Pacific

ASIA AM 130A - Chinese American Experience

ASIA AM M130C - Chinese Immigration

ASIA AM 131A - Japanese American Experience

ASIA AM 131B - Japanese Americans and Incarceration

ASIA AM 131C - Japanese American Resettlement

ASIA AM 132A - Korean American Experience

ASIA AM 133 - Pilipino American Experience

ASIA AM 134 - Vietnamese American Experience

HIST 152 - Asians in American History

HIST 169A - Thought and Society in China to 1000

HIST 170A - Culture and Power in Late Imperial China

HIST 172A - Japan—Ancient and Medieval History

HIST 172B - Japanese History: Early Modern, 1600 to 1868

HIST 174A - Early History of India

HIST M174D - Indo-Islamic Interactions, 700 to 1750

HIST M174G - Indian Identity in U.S. and Diaspora

HIST 176A - History of Southeast Asia to 1815

International Themes

Select four courses from international politics and markets and international societies and cultures as follows:

INTERNATIONAL POLITICS AND MARKETS

Select two courses from:

ANTHRO 143 - Economic Anthropology

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ECON 121 - International Trade Theory

ECON 122 - International Finance

ENVIRON 134 - Environmental Economics with Data Analysis

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 148 - Political Geography

GEOG 150 - Economic Geography

INTL DV 130 - Theory and History in International Development

MGMT 109 - International Business Law

MGMT 127C - International Taxation

POL SCI M122B - Global Environment and World Politics

POL SCI 123A - International Law

POL SCI 124A - International Political Economy

POL SCI 125A - Arms Control and International Security

POL SCI 126 - Peace and War

POL SCI 129 - Diplomacy and War

POL SCI 134 - Foreign Policy Decision Making and Tools of Statecraft

POL SCI 137A - International Relations Theory

POL SCI 150 - Political Violence

POL SCI 166 - Comparative Constitutional Design

POL SCI M167C - Political Economy of Development

POL SCI 167D - Political Institutions and Economic Development

POL SCI 168 - Comparative Political Analysis

SOCIOL 182 - Political Sociology

SOCIOL 183 - Comparative and Historical Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from:

ANTHRO 130 - Study of Culture

ANTHRO 140 - Study of Social Systems

ANTHRO 146 - Urban Anthropology

ANTHRO 147 - Development Anthropology

ART HIS C160 - Art and Empire

COMM 179 - Images of U.S.

COM LIT 100 - Introduction to Literary and Critical Theory

ENVIRON M133 - Environmental Sociology

FILM TV 112 - Film and Social Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 139C - Problems in Geography: Culture and Environment in Modern World

GEOG 140 - Social Geography

GEOG 141 - Cultural Geography of Modern World

GEOG 158 - Population Geography

GEOG 161 - Cities and Social Difference

HIST M186B - Global Feminism, 1850 to Present

HNRS M152 - (When) Do Leaders Make Differences?

INTL DV 110 - Culture, Power, and Development

SOCIOL 116 - Social Demography

SOCIOL 151 - Comparative Immigration

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 191D - Undergraduate Seminar: Sociology of Development

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

Capstone

Complete the following course:

I A STD 191 - Variable Topics Senior Research Seminars: International and Area Studies

Honors Program

The honors program is designed to offer highly motivated majors the opportunity to design and conduct their own independent research under the guidance of a faculty adviser and consists of a three-term directed-study series of courses culminating in an honors thesis.

I A STD 198A - Honors Research in International and Area Studies

I A STD 198B - Honors Research in International and Area Studies

I A STD 198C - Honors Research in International and Area Studies

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

To count as one 4-unit course, 2-unit courses must either be taken twice or two courses from the same category (if applicable) may be taken. Each course must be taken for a letter grade, with a minimum overall grade-point average of 2.0. In addition, students must have earned a grade of C or better in International and Area Studies 1.

Honors Program

Admission

To enter the honors program, students must (1) have completed all preparation for the major requirements with a minimum 3.5 grade-point average in those courses, (2) have a 3.5 grade-point average in all upper-division coursework for the major, (3) obtain agreement from a faculty member to supervise their honors thesis, and (4) formally submit an application to the honors program. Application should normally be made during the junior year so as to best plan for completion of the honors thesis during the senior year. Contact the academic counselor for more details about the application, thesis requirements, and guidelines regarding the selection of a faculty thesis adviser.

Requirements

Honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.5 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an honors thesis (approximately 35 to 50 pages) determined to be of honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Highest honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.75 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an exceptional honors thesis (approximately 35 to 50 pages) determined to be of highest honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

Major

European Studies BA

College / School
College of Letters and Science

Department
International and Area Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The European Studies major allows students to analyze the area or a subregion (e.g., Central and Eastern Europe, Mediterranean Europe, Scandinavia, Western Europe/European Union) from an

interdisciplinary and modern perspective. The major seeks to ground students in broad international issues that they can then use to focus on particular concerns of that part of the world.

Study Abroad

European Studies majors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Capstone Major

The European Studies major is a designated capstone major. Students must complete a capstone seminar or travel-abroad program in which they engage in an in-depth analysis of a specific region or a thematic subject that spans regions. Through conceiving and executing a project, students demonstrate their working knowledge of scholarly discourse relative to a specialized topic. Student research, analytic, and writing skills are exhibited through their capstone work, along with their collaborative and oral communication skills.

Learning Outcomes

1. In-depth analysis of a specific region or a thematic subject that spans regions
2. Demonstrated critical understanding of issues relevant to a specific region or theme
3. Demonstrated skills, including research, analysis, and writing
4. Identification and analysis of appropriate sources, material evidence, and other forms of primary documents

5. Demonstrated proficiency at collaborative engagement with peers through constructive feedback on written drafts and oral presentations

6. Demonstrated proficiency at using peer feedback to enhance student's own work

7. Effective communication of complex ideas in a seminar setting

8. Demonstrated effective oral and written communication of research findings

9. Conception and execution of a project that identifies and engages with a specialized topic

10. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Admission

To be eligible to declare the European Studies major, students must have completed International and Area Studies 1 with a grade of C or better. The European Studies major requires students to complete the intermediate level of the foreign language requirement in a European language by graduation in order to fulfill all preparation requirements.

Transfer Students

Transfer applicants to the European Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two courses from sociocultural anthropology, cultural geography, contemporary world history, and world literature and two courses from comparative politics, economic geography, macroeconomics, microeconomics, and introductory sociology. Transfer students must apply for the major by the end of fall quarter of their junior year.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Each preparation for the major course must be taken for a letter grade, and students must have a UC grade-point average of 2.0 or better in those courses. In addition, students must have earned a grade of C or better in International and Area Studies 1.

Major Requirements

Preparation for the Major

Complete International and Area Studies 1, one area studies course, two international politics and markets courses, two international societies and cultures courses, and one area-related foreign language sequence through the intermediate level as follows:

I A STD 1 - Introduction to International and Area Studies

Area Studies

Select one course from:

C&EE ST 91 - Culture and Society in Central and Eastern Europe

COM LIT 1C - World Literature: Age of Enlightenment to 20th Century

COM LIT 2CW - Survey of Literature: Age of Enlightenment to 20th Century

COM LIT 4CW - Literature and Writing: Age of Enlightenment to 20th Century

ENGL 88G - Lower-Division Seminar: Special Topics in English—20th-Century British Literature

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

GERMAN 61A - Modern Metropolis: Berlin

HIST 1C - Introduction to Western Civilization: Circa 1715 to Present

HIST 97C - Introduction to Historical Practice: Variable Topics in European History

I A STD 40 - Introduction to Europe

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

PORTGSE 40A - Portuguese, Brazilian, and African Literature in Translation: Portuguese and Portuguese-African Literature

ROMANIA 90 - Introduction to Romanian Civilization

RUSSN 25 - Great Russian Novel

RUSSN 25W - Great Russian Novel

RUSSN 30 - Russian Literature and World Cinema

RUSSN 31 - Introduction to Russian Film

RUSSN 32 - Russia and Asia: Cultural Dialogues

RUSSN 90B - Russian Civilization in 20th Century

RUSSN 90BW - Russian Civilization in 20th Century

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SLAVC 90 - Introduction to Slavic Civilization

SPAN 42 - Iberian Cultures

International Politics and Markets

Select two courses from the following. Only one course from Political Science 50 or 50R may be applied.

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

International Societies and Cultures

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Foreign Language

Complete one area-related foreign language sequence through the intermediate level such as the following examples. The language requirement can also be fulfilled in part or in total by taking a placement examination given through the appropriate language department.

CZCH 102C - Advanced Czech

DUTCH 103C - Intermediate Dutch

FRNCH 6 - Intermediate French

GERMAN 6 - Intermediate German

HNGAR 102C - Advanced Hungarian

ITALIAN 6 - Intermediate Italian

POLSH 102C - Advanced Polish

PORTGSE 3 - Intermediate Portuguese

ROMANIA 102C - Advanced Romanian

RUSSN 6 - Intermediate Russian

SCAND 5 - Intermediate Swedish

SRB CRO 102C - Advanced Serbian/Croatian

SPAN 5 - Intermediate Spanish

UKRN 102C - Advanced Ukrainian

YIDDSH 102C - Intermediate Yiddish

The Major

Complete one capstone seminar and 11 upper-division courses divided among area studies and international themes as follows:

Area Studies

Select seven courses from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select three courses from:

ART HIS 127B - European Art of 19th Century

ART HIS M127C - Cultural and Intellectual History of Modern Europe, 19th Century

C&EE ST M125 - Interwar Central European Prose

C&EE ST CM126 - Cold-War Central European Culture

COM LIT C163 - Crisis of Consciousness in Modern Literature

COM LIT C164 - Modern European Novel

DUTCH 113 - Modern Dutch and Flemish Literature in Translation

DUTCH 131 - Introduction to Modern Dutch Literature

ENGL 115B - British Popular Literature

ENGL 164A - Earlier 19th-Century Poetry

ENGL 164B - 19th-Century Critical Prose

ENGL 164C - 19th-Century Novel

ETHNMUS 133 - European Musics: Politics, Identities, Nationalisms

FILM TV 106B - History of European Motion Picture

FRNCH 114C - Survey of French Literature: 19th and 20th Centuries

FRNCH 119 - Studies in 19th-Century French Culture and Literature

FRNCH 120 - Studies in 20th-Century French Culture and Literature

FRNCH 138 - Contemporary French Theory

FRNCH 139 - Paris: Study of French Capital

FRNCH 141 - French Cinema

GERMAN 102 - War, Politics, Art

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 121 - Literature and Film

ITALIAN 150 - Modern Fiction in Translation

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

POLSH 152B - Survey of Polish Literature: Reimagining a Nation

POLSH 152C - Survey of Polish Literature: Dreaming, Mocking, and Writing "as if"

RUSSN 107B - Russian for Social and Cultural Studies

RUSSN 120 - Literature and Revolution

RUSSN 121 - Russian Pop Culture

RUSSN 122 - Siberia

RUSSN 125 - Russian Novel in Its European Setting

RUSSN 126 - Russian Theater: Plays and Performance

RUSSN M127 - Women in Russian Literature

RUSSN 128 - Russian Science Fiction

RUSSN 130A - Russian Poetry: Introduction to Analysis of Russian Poetry

RUSSN 130B - Russian Poetry: Poetry of Russian Neoclassicism, Romanticism, and Realism

RUSSN 130C - Russian Poetry: Russian Poetry in the 20th Century

RUSSN 131 - History of Russian Cinema

RUSSN M132 - Comparative Media Studies

RUSSN 140A - Russian Prose Fiction: Introduction to Analysis of Russian Narrative Prose

RUSSN 140B - Russian Prose Fiction: Russian Romantic Prose

RUSSN 140C - Russian Prose Fiction: Great Realists

RUSSN 140D - Russian Prose Fiction: 20th-Century Modernism

RUSSN 150 - Russian Folk Literature

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCAND 161 - Introduction to Nordic Cinema

SCAND C163A - Introduction to Danish Cinema

SCAND C163B - Introduction to Swedish Cinema

SCAND C163C - Introduction to Norwegian Cinema

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

SCAND C180 - Literature and Scandinavian Society

YIDDSH 131A - Modern Yiddish Poetry

YIDDSH 131B - Modern Yiddish Prose and Drama

SOCIAL SCIENCES GROUP 1

Select three courses from:

ECON 181 - Development of Economic Institutions in Western Europe

GEOG 173A - Cities of Europe

GEOG 174A - The Mediterranean World

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 120B - East-Central Europe: Short 20th Century, 1918 to 1990

HIST 120C - East-Central Europe in Transition, 1988 to 1993

HIST 121D - History of Modern Europe: Bourgeois Century, 1815 to 1914

HIST 121E - History of Modern Europe: Era of Total War, 1914 to 1945

HIST 121F - History of Modern Europe: World War II and Its Aftermath, 1939 to Present

HIST 122F - Cultural and Intellectual History of Modern Europe, 20th Century

HIST 123B - War and Diplomacy in Europe, 1815 to 1945

HIST 123C - War and Diplomacy in Europe, Cold War

HIST 124B - History of France: France, 1715 to 1871

HIST 124C - History of France: Making of Modern France, 1871 to Present

HIST 125B - Global German History in an Age of Empire, 1770s to 1914

HIST 125C - 20th-Century Germany

HIST 125D - History of Low Countries

HIST 127B - History of Russia: Imperial Russia from Peter the Great to Nicholas II

HIST 127C - History of Russia: Revolutionary Russia and Soviet Union

HIST 127D - History of Russia: Culture and Society in Imperial Russia

HIST 129B - Social History of Spain and Portugal: Rebellion and Revolution in Modern Spain and Portugal, 1789 to Present

HIST 131A - Marxist Theory and History

HIST 131B - Marxist Theory and History

HIST 134B - Economic History of Europe, 1780 to 1914

HIST 134C - Economic History of Europe, 20th Century

HIST 135C - Europe and World: Imperialism and Postcolonialism, 1870 to Present

HIST 136B - History of Britain: Making of Modern Britain, 1715 to 1867

HIST 136C - History of Britain: Modern Britain since 1832

HIST 183A - Third Reich and Jews

HIST 183B - Third Reich and Jews

HNRS 173A - Liberty, Government, and Society in European Thought

POL SCI 153A - Comparative Government and Politics of Western Europe: West European Government and Politics

POL SCI 156A - Government and Politics of Post-Communist States: Russia

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in groups 1 and 2 focus on contemporary issues of that region after 1750. Students may substitute a maximum of three upper-division courses with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies electives as long the distribution between humanities and arts and social sciences is maintained. Courses may be selected from the following lists:

Humanities and Arts Group 2

FRNCH 114A - Survey of French Literature: Medieval and Renaissance Literature

FRNCH 114B - Survey of French Literature: 17th and 18th Centuries

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 169 - Paris: Study of French Capital in Translation

GERMAN 170 - Goethe and World Literature

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 114B - Middle Ages: Medieval Humor, Moralism, and Society

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

RUSSN C124C - Studies in Russian Literature: Chekhov

RUSSN C124D - Studies in Russian Literature: Dostoevsky

RUSSN CM124G - Studies in Russian Literature: Gogol

RUSSN C124N - Studies in Russian Literature: Nabokov

RUSSN C124P - Studies in Russian Literature: Pushkin

RUSSN C124T - Studies in Russian Literature: Tolstoy

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND 143C - Scandinavian Crime Literature

SCAND 154 - Romanticism

Social Sciences Group 2

HIST 121A - History of Modern Europe: Renaissance and Reformation, 1450 to 1660

HIST 121B - History of Modern Europe: Baroque Culture and Absolutist Politics, 1600 to 1715

HIST 121C - History of Modern Europe: Old Regime and Revolutionary Era, 1715 to 1815

HIST 122A - Cultural and Intellectual History of Modern Europe, 15th Century

HIST 122B - Cultural and Intellectual History of Modern Europe, 16th Century

HIST 122C - Cultural and Intellectual History of Modern Europe, 17th Century

HIST 125A - Baroque and Enlightenment Germany

HIST 126 - Europe in Age of Revolution, circa 1775 to 1815

POL SCI 111C - Late Modern Political Theory

International Themes

Select four courses from international politics and markets and international societies and cultures as follows:

INTERNATIONAL POLITICS AND MARKETS

Select two courses from:

ANTHRO 143 - Economic Anthropology

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ECON 121 - International Trade Theory

ECON 122 - International Finance

ENVIRON 134 - Environmental Economics with Data Analysis

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 148 - Political Geography

GEOG 150 - Economic Geography

INTL DV 130 - Theory and History in International Development

MGMT 109 - International Business Law

MGMT 127C - International Taxation

POL SCI M122B - Global Environment and World Politics

POL SCI 123A - International Law

POL SCI 124A - International Political Economy

POL SCI 125A - Arms Control and International Security

POL SCI 126 - Peace and War

POL SCI 129 - Diplomacy and War

POL SCI 134 - Foreign Policy Decision Making and Tools of Statecraft

POL SCI 137A - International Relations Theory

POL SCI 150 - Political Violence

POL SCI 166 - Comparative Constitutional Design

POL SCI M167C - Political Economy of Development

POL SCI 167D - Political Institutions and Economic Development

POL SCI 168 - Comparative Political Analysis

SOCIOL 182 - Political Sociology

SOCIOL 183 - Comparative and Historical Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from:

ANTHRO 130 - Study of Culture

ANTHRO 140 - Study of Social Systems

ANTHRO 146 - Urban Anthropology

ANTHRO 147 - Development Anthropology

ART HIS C160 - Art and Empire

COMM 179 - Images of U.S.

COM LIT 100 - Introduction to Literary and Critical Theory

ENVIRON M133 - Environmental Sociology

FILM TV 112 - Film and Social Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 139C - Problems in Geography: Culture and Environment in Modern World

GEOG 140 - Social Geography

GEOG 141 - Cultural Geography of Modern World

GEOG 158 - Population Geography

GEOG 161 - Cities and Social Difference

HIST M186B - Global Feminism, 1850 to Present

HNRS M152 - (When) Do Leaders Make Differences?

INTL DV 110 - Culture, Power, and Development

SOCIOL 116 - Social Demography

SOCIOL 151 - Comparative Immigration

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 191D - Undergraduate Seminar: Sociology of Development

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

Capstone

Complete the following course:

I A STD 191 - Variable Topics Senior Research Seminars: International and Area Studies

Honors Program

The honors program is designed to offer highly motivated majors the opportunity to design and conduct their own independent research under the guidance of a faculty adviser and consists of a three-term directed-study series of courses culminating in an honors thesis.

I A STD 198A - Honors Research in International and Area Studies

I A STD 198B - Honors Research in International and Area Studies

I A STD 198C - Honors Research in International and Area Studies

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

To count as one 4-unit course, 2-unit courses must either be taken twice or two courses from the same category (if applicable) may be taken. Each course must be taken for a letter grade, with a minimum overall grade-point average of 2.0.

Honors Program

Admission

To enter the honors program, students must (1) have completed all preparation for the major requirements with a minimum 3.5 grade-point average in those courses, (2) have a 3.5 grade-point average in all upper-division coursework for the major, (3) obtain agreement from a faculty member to supervise their honors thesis, and (4) formally submit an application to the honors program. Application should normally be made during the junior year so as to best plan for completion of the honors thesis during the senior year. Contact the academic counselor for more details about the application, thesis requirements, and guidelines regarding the selection of a faculty thesis adviser.

Requirements

Honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.5 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an honors thesis (approximately 35 to 50 pages) determined to be of honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Highest honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.75 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an exceptional honors thesis (approximately 35 to 50 pages) determined to be of highest honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

Major

Latin American Studies BA

College / School
College of Letters and Science

Department
International and Area Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Latin American Studies major allows students to analyze the area or a subregion (e.g., Amazonia, Caribbean, Central America, South America, Southern Cone) from an interdisciplinary and modern

perspective. The major seeks to ground students in broad international issues that they can then use to focus on particular concerns of that part of the world.

Study Abroad

Latin American Studies majors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

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Capstone Major

The Latin American Studies major is a designated capstone major. Students must complete a capstone seminar or travel-abroad program in which they engage in an in-depth analysis of a specific region or a thematic subject that spans regions. Through conceiving and executing a project, students demonstrate their working knowledge of scholarly discourse relative to a specialized topic. Student research, analytic, and writing skills are exhibited through their capstone work, along with their collaborative and oral communication skills.

Learning Outcomes

1. In-depth analysis of a specific region or a thematic subject that spans regions
2. Demonstrated critical understanding of issues relevant to a specific region or theme
3. Demonstrated skills, including research, analysis, and writing
4. Identification and analysis of appropriate sources, material evidence, and other forms of primary documents

5. Demonstrated proficiency at collaborative engagement with peers through constructive feedback on written drafts and oral presentations

6. Demonstrated proficiency at using peer feedback to enhance student's own work

7. Effective communication of complex ideas in a seminar setting

8. Demonstrated effective oral and written communication of research findings

9. Conception and execution of a project that identifies and engages with a specialized topic

10. Working knowledge of scholarly discourse relative to a specialized topic

Entry to the Major

Admission

To be eligible to declare the Latin American Studies major, students must have completed International and Area Studies 1 with a grade of C or better. The Latin American Studies major requires students to complete the intermediate level of two foreign languages by graduation in order to fulfill all preparation requirements.

Transfer Students

Transfer applicants to the Latin American Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two courses from sociocultural anthropology, cultural geography, contemporary world history, and world literature and two courses from comparative politics, economic geography, macroeconomics, microeconomics, and introductory sociology. Transfer students must apply for the major by the end of fall quarter of their junior year.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Each preparation for the major course must be taken for a letter grade, and students must have a UC grade-point average of 2.0 or better in those courses. In addition, students must have earned a grade of C or better in International and Area Studies 1.

Major Requirements

Preparation for the Major

Complete International and Area Studies 1, one area studies course, two international politics and markets courses, two international societies and cultures courses, and one area-related foreign language sequence through the intermediate level as follows:

I A STD 1 - Introduction to International and Area Studies

Area Studies

Select one course from:

HIST 8A - Colonial Latin America

HIST 8B - Modern Latin America

HIST 8C - Latin American Social History

HIST 97E - Introduction to Historical Practice: Variable Topics in Latin American History

I A STD 50 - Introduction to Latin America

PORTGSE 40B - Portuguese, Brazilian, and African Literature in Translation: Brazilian Literature

PORTGSE 46 - Brazil and Portuguese-Speaking World

SPAN 44 - Latin American Cultures

International Politics and Markets

Select two courses from the following.

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

International Societies and Cultures

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Foreign Language

Complete two area-related foreign language sequences through the intermediate level such as the following examples or an indigenous language of Latin America such as Nahuatl, Quechua, or Zapotec. The language requirement can also be fulfilled in part or in total by taking a placement examination given through the appropriate language department.

PORTGSE 3 - Intermediate Portuguese

PORTGSE 11B - Intensive Portuguese

SPAN 5 - Intermediate Spanish

SPAN 7A - Introductory Spanish for Heritage Speakers

The Major

Complete one capstone seminar and 11 upper-division courses divided among area studies and international themes as follows:

Area Studies

Select seven courses from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select three courses from:

ART HIS C142A - Mexican Art in Modern Age

ART HIS C142B - Latin American Art of 20th Century

ART HIS 144 - Caribbean Art

COM LIT 177 - Comparative Studies of Francophone and Anglophone Caribbean

ETHNMUS M108A - Music of Latin America: Mexico, Central America, and Caribbean Isles

ETHNMUS 108B - Music of Latin America: Latin South America

ETHNMUS 113 - Music of Brazil

ETHNMUS 161K - Advanced World Music Performance Organizations: Music of Mexico

FILM TV 106C - History of African, Asian, and Latin American Film

MUSC M131 - Development of Latin Jazz

PORTGSE 130A - Introduction to Literature in Portuguese

PORTGSE 130B - Introduction to Literature in Portuguese

PORTGSE 141B - Film, Television, and Society in Brazil

PORTGSE 142A - Brazil and Its Culture

PORTGSE 142B - Brazil and Portugal in Comparative Perspective

SPAN 120 - Literature in Historical Context

WL ARTS C139 - Afro-Caribbean Ritual Arts

SOCIAL SCIENCES GROUP 1

Select three courses from:

AF AMER M154C - Black Experience in Latin America and Caribbean I

AF AMER M178 - Sociology of Caribbean

ANTHRO 161 - Latin American Communities

ANTHRO 162 - Ethnography of South America

CCAS 111 - Chicana/Chicano and Latina/Latino Intellectual Traditions

CCAS 117 - Chicana/Chicano Images in Mexican Film and Literature

CCAS M132 - Border Consciousness

CCAS C141 - Chicana and Latin American Women's Narrative

CCAS 143 - Mestizaje: History of Diverse Racial/Cultural Roots of Mexico

CCAS 151 - Human Rights in Americas

CCAS 169 - Representations of Indigenous Peoples in Americas

COM HLT 132 - Health, Disease, and Health Services in Latin America

GENDER M147C - Transnational Women's Organizing in Americas

GEOG 135 - Africa and African Diaspora in Americas

GEOG 172A - Spanish South America

GEOG 172C - Brazil

HIST 159 - Latin America in 19th Century

HIST 160A - Latin American Elitelore

HIST 160B - Mexican Revolution since 1910

HIST 162A - Modern Brazil

LBR STD M125 - U.S./Mexico Relations

LBR STD M144 - Women's Movement in Latin America

POL SCI 154A - Government and Politics in Latin America: States of Middle America

POL SCI 154B - Government and Politics in Latin America: States of South America

PUB HLT M106 - Health in Chicano/Latino Population

SOCIOL 186 - Latin American Societies

SOCIOL 191J - Undergraduate Seminar: Mexican Society

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in groups 1 and 2 focus on contemporary issues of that region after 1750. Students may substitute a maximum of three upper-division courses with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies electives as long the distribution between humanities and arts and social sciences is maintained. Courses may be selected from the following lists:

Humanities and Arts Group 2

ART HIS CM139A - Maya Art and Architecture

ART HIS C139B - Aztec Art and Architecture

ART HIS CM141 - Colonial Latin American Art

CCAS M105D - Introduction to Latina/Latino Literature

CCAS M105E - Studies in Chicana/Chicano and/or Latina/Latino Literature

CCAS 109 - Chicana/Chicano Folklore

CCAS 142 - Mesoamerican Literature

ETHNMUS M116 - Chicano/Latino Music in U.S.

PORTGSE 143A - Colony, Intellectuals, and History

Social Sciences Group 2

ANTHRO 114P - Ancient Civilizations of Mesoamerica

ANTHRO 114Q - Ancient Civilizations of Andean South America

CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

CCAS M159B - History of Chicano Peoples

CCAS 184 - History of U.S./Mexican Borderlands

CCAS M187 - Latino Metropolis: Architecture and Urbanism in Americas

HIST 157B - Indians of Colonial Mexico

International Themes

Select four courses from international politics and markets and international societies and cultures as follows:

INTERNATIONAL POLITICS AND MARKETS

Select two courses from:

ANTHRO 143 - Economic Anthropology

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ECON 121 - International Trade Theory

ECON 122 - International Finance

ENVIRON 134 - Environmental Economics with Data Analysis

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 148 - Political Geography

GEOG 150 - Economic Geography

INTL DV 130 - Theory and History in International Development

MGMT 109 - International Business Law

MGMT 127C - International Taxation

POL SCI M122B - Global Environment and World Politics

POL SCI 123A - International Law

POL SCI 124A - International Political Economy

POL SCI 125A - Arms Control and International Security

POL SCI 126 - Peace and War

POL SCI 129 - Diplomacy and War

POL SCI 134 - Foreign Policy Decision Making and Tools of Statecraft

POL SCI 137A - International Relations Theory

POL SCI 150 - Political Violence

POL SCI 166 - Comparative Constitutional Design

POL SCI M167C - Political Economy of Development

POL SCI 167D - Political Institutions and Economic Development

POL SCI 168 - Comparative Political Analysis

SOCIOL 182 - Political Sociology

SOCIOL 183 - Comparative and Historical Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from:

ANTHRO 130 - Study of Culture

ANTHRO 140 - Study of Social Systems

ANTHRO 146 - Urban Anthropology

ANTHRO 147 - Development Anthropology

ART HIS C160 - Art and Empire

COMM 179 - Images of U.S.

COM LIT 100 - Introduction to Literary and Critical Theory

ENVIRON M133 - Environmental Sociology

FILM TV 112 - Film and Social Change

GEOG M131 - Human Impact on Biophysical Environment

GEOG 139C - Problems in Geography: Culture and Environment in Modern World

GEOG 140 - Social Geography

GEOG 141 - Cultural Geography of Modern World

GEOG 158 - Population Geography

GEOG 161 - Cities and Social Difference

HIST M186B - Global Feminism, 1850 to Present

HNRS M152 - (When) Do Leaders Make Differences?

INTL DV 110 - Culture, Power, and Development

SOCIOL 116 - Social Demography

SOCIOL 151 - Comparative Immigration

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 191D - Undergraduate Seminar: Sociology of Development

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

Capstone

Complete the following course:

I A STD 191 - Variable Topics Senior Research Seminars: International and Area Studies

Honors Program

The honors program is designed to offer highly motivated majors the opportunity to design and conduct their own independent research under the guidance of a faculty adviser and consists of a three-term directed-study series of courses culminating in an honors thesis.

I A STD 198A - Honors Research in International and Area Studies

I A STD 198B - Honors Research in International and Area Studies

I A STD 198C - Honors Research in International and Area Studies

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

To count as one 4-unit course, 2-unit courses must either be taken twice or two courses from the same category (if applicable) may be taken. Each course must be taken for a letter grade, with a minimum overall grade-point average of 2.0.

Honors Program

Admission

To enter the honors program, students must (1) have completed all preparation for the major requirements with a minimum 3.5 grade-point average in those courses, (2) have a 3.5 grade-point average in all upper-division coursework for the major, (3) obtain agreement from a faculty member to supervise their honors thesis, and (4) formally submit an application to the honors program. Application should normally be made during the junior year so as to best plan for completion of the honors thesis during the senior year. Contact the academic counselor for more details about the application, thesis requirements, and guidelines regarding the selection of a faculty thesis adviser.

Requirements

Honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.5 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an honors thesis (approximately 35 to 50 pages) determined to be of honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Highest honors are awarded to students who (1) complete all requirements for the major with a cumulative grade-point average of 3.75 or better in upper-division courses required for the major, (2) successfully complete courses 198A, 198B, and 198C, and (3) produce an exceptional honors thesis (approximately 35 to 50 pages) determined to be of highest honors quality by a committee of two faculty members—the chair of International and Area Studies and the faculty adviser of the student.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

Minor

African and Middle Eastern Studies Minor

College / School

College of Letters and Science

Department

International and Area Studies

Level

Undergraduate

Overview

The African and Middle Eastern Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of the Africa and the Middle East from an interdisciplinary and modern perspective.

Study Abroad

African and Middle Eastern Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied. Only one course from Political Science 50 or 50R may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

HIST 9D - Introduction to Asian Civilizations: History of Middle East

HIST 97F - Introduction to Historical Practice: Variable Topics in Near Eastern History

M E STD M50CW - Making and Studying Modern Middle East

Required Upper-Division Courses (20 to 21 units)

Select five area studies courses from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from the following. Ethnomusicology 161N must be taken twice to equal one 4-unit course.

ARABIC M110 - One Thousand and One Nights/Alf Layla Wa-Layla

ARABIC 120 - Islamic Texts

ARABIC C141 - Modern Arabic Literature

ARABIC M151 - Modern Arabic Literature in English

ARMENIA C151 - Armenian Literature and Canon Formation

ARMENIA C152 - Modern Armenian Drama as Vehicle for Social Critique

ARMENIA C153 - Art, Politics, and Nationalism in Modern Armenian Literature

ART HIS C120 - Selected Topics in Islamic Art

COM LIT M148 - Contemporary Arab Film and Song

COM LIT M162 - Israel Seen through Its Literature

ETHNMUS 161N - Advanced World Music Performance Organizations: Music of Near East

HEBREW M113 - Contemporary Israeli Short Stories/Novellas and Films in English

HEBREW C140 - Modern Hebrew Poetry and Prose

IRANIAN 141 - Persian Analytical Prose

IRANIAN 142 - Persian Popular Ethics

ISLM ST C151 - Islamic Thought

JEWISH M142 - Modern Israel: Politics, Society, Culture

JEWISH M144 - Zionism: Ideology and Practice in Making of Jewish State

JEWISH 175 - Modern Israeli Literature Made into Films

SOCIAL SCIENCES GROUP 1

Select two courses from:

ANTHRO 135 - Visual Anthropology: Documentary Photography

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ANTHRO 167 - Culture Area of Middle East

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST 107C - Armenian History: Armenia in Modern and Contemporary Times, 19th and 20th Centuries

HIST 109B - History of Israeli-Palestinian Conflict, 1881 to Present

HIST 111C - Topics in Middle Eastern History: Modern

HIST 167A - History of Northeast Africa

HIST M184D - History of Zionism and State of Israel

HNRS M157 - International Relations of Middle East

POL SCI 132A - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

AN N EA M130 - Ancient Egyptian Religion

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

AN N EA C165 - Egyptian Archaeology

ARABIC 130 - Classical Arabic Texts

ARABIC 132 - Philosophical and Kalam Texts

ARABIC 150 - Classical Arabic Literature in English

ARMENIA C155 - Issues in Armenian American Literature and Culture

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

ART HIS 119A - Western Islamic Art

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

HIST M103A - History of Ancient Egypt

HIST M103B - History of Ancient Egypt

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST M106 - Premodern Islam

HIST 107A - Armenian History: Armenia in Ancient and Medieval Times, 2nd Millennium BC to AD 11th Century

HIST 107D - Introduction to Armenian Oral History

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 116A - Byzantine History

HIST 116B - Byzantine History

IRANIAN M110A - Iranian Civilization: History of Achaemenid Empire

IRANIAN M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

IRANIAN M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

IRANIAN 120 - Comparative Study of Six Major Persian Poets

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 140 - Persian Belles Lettres (Adabiyyat)

ISLM ST 130 - Shi'a in Islamic History

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

JEWISH 150B - Hebrew Literature in English: Rabbinic Judaism

JEWISH M151A - Modern Jewish Literature in English: Diaspora Literature

JEWISH M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

JEWISH M182A - Ancient Jewish History

JEWISH M182B - Medieval Jewish History

JEWISH M182C - Modern Jewish History

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

African Studies Minor

College / School
College of Letters and Science

Department
International and Area Studies

Level

Undergraduate

Overview

The African Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of Africa from an interdisciplinary and modern perspective.

Study Abroad

African Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied. Only one course from Political Science 50 or 50R may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

ART HIS 28 - Arts of Africa

ETHNMUS 20B - Musical Cultures of World: Africa and Near East

FRNCH 60 - French and Francophone Novel

HIST 10B - History of Africa, 1800 to Present

HIST 97J - Introduction to Historical Practice: Variable Topics in African History

PORTGSE 40A - Portuguese, Brazilian, and African Literature in Translation: Portuguese and Portuguese-African Literature

Required Upper-Division Courses (20 to 21 units)

Select five area studies from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from. Ethnomusicology 161E must be taken twice to equal one 4-unit course.

ART HIS C145A - Architecture and Urbanism in Africa

ART HIS C145B - Contemporary Arts of Africa

ETHNMUS 136A - Music of Africa

ETHNMUS C136B - Music of Africa

ETHNMUS 161E - Advanced World Music Performance Organizations: Music and Dance of Ghana

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 142 - Francophone Cinema

SOCIAL SCIENCES GROUP 1

Select two courses from:

ANTHRO 135 - Visual Anthropology: Documentary Photography

ANTHRO 166P - Sub-Saharan Africa

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

GEOG 138 - Wildlife Conservation in Eastern and Southern Africa

HIST 164B - Topics in African History: Africa and Slave Trade

HIST 164D - Topics in African History: Africa and Diaspora in Global and Comparative Perspective

HIST 164E - Topics in African History: Africa, 1945 to Present

HIST 166B - History of West Africa: West Africa since 1800

HIST 167A - History of Northeast Africa

HIST 167B - History of East Africa

HIST 167C - History of Central Africa

HIST 168B - History of Southern Africa since 1870

POL SCI 151A - African Politics: Government and Politics of Africa

POL SCI 151B - African Politics: Political Economy of Africa

POL SCI 151C - African Politics: Special Topics in African Politics

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

AN N EA M130 - Ancient Egyptian Religion

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

AN N EA C165 - Egyptian Archaeology

ART HIS M110A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

ART HIS M110B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

FRNCH 160 - Francophone Cultures in English

GEOG 135 - Africa and African Diaspora in Americas

HIST M103A - History of Ancient Egypt

HIST M103B - History of Ancient Egypt

HIST 166A - History of West Africa: West Africa, Earliest Times to 1800

HIST 168A - History of Southern Africa, Origins to 1870

WL ARTS C139 - Afro-Caribbean Ritual Arts

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

East Asian Studies Minor

College / School
College of Letters and Science

Department
International and Area Studies

Level

Undergraduate

Overview

The East Asian Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of East Asia—China, Korea, and Japan—from an interdisciplinary and modern perspective.

Study Abroad

East Asian Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To be admitted to the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied. Only one course from Political Science 50 or 50R may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

ART HIS 29 - Chinese Art

ASIAN 30 - Languages and Cultures of Asia

CHIN 40 - Popular Culture in Modern Chinese Societies

CHIN 50 - Chinese Civilization

CHIN 50W - Chinese Civilization

CHIN M60 - Introduction to Chinese Religions

CHIN M60W - Introduction to Chinese Religions

CHIN 80 - Chinese Cinema: Pictures, Prisms, Products, Projections

CLUSTER 25A - Politics, Society, and Urban Culture in East Asia

HIST 9C - Introduction to Asian Civilizations: History of Japan

HIST 11B - History of China, circa 1000 to 2000

HIST 97G - Introduction to Historical Practice: Variable Topics in East Asian History

I A STD 33 - Introduction to East Asia

JAPAN 50 - Japanese Civilization

JAPAN 70 - Images of Japan: Literature and Film

JAPAN 75 - Anime

JAPAN 80 - How Does It Move? Action and Moving Image in Modern Japan

KOREA 40W - Korean Wave: Globalization of South Korean Popular Culture

KOREA 50 - History of Korean Civilization

KOREA M60 - Introduction to Korean Religions

KOREA 70 - Images of Korea

KOREA 75 - Introduction to Korean Literature and Culture

KOREA 80 - Introduction to Korean Cinema

Required Upper-Division Courses (20 to 21 units)

Select five area studies from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from. Ethnomusicology 161J must be taken twice to equal one 4-unit course.

ART HIS C148D - Advanced Chinese Art

ART HIS C148E - Art in Modern China

ART HIS C150B - Advanced Japanese Art

ASIAN 151 - Buddhist Literature in Translation

ASIAN 161 - Topics in Asian Religions

ASIAN 162 - Buddhist Meditation Traditions

CHIN C120 - Introduction to Chinese Linguistics

CHIN 124 - Taiwanese Language and Culture

CHIN 125 - Taiwanese Language and Expressive Cultures

CHIN 130B - Readings in Modern Chinese Literature

CHIN 131 - World Sinophone Literature: Theories and Texts

CHIN 139 - Gardens in China

CHIN C144 - Translation Workshop: Modern Chinese Texts

CHIN C150A - Lyrical Traditions

CHIN C150B - Chinese Literature in Translation: Traditional Narrative and Fiction

CHIN 151 - Chinese Literature in Translation: Modern Literature

CHIN 152 - Topics in Contemporary Chinese Literature and Culture

CHIN 155 - Topics in Chinese Cinema

CHIN C156 - Variable Topics in Culture and Society in Taiwan

CHIN CM160 - Chinese Buddhism

CHIN 165 - Introduction to Chinese Buddhist Texts

CHIN 180 - Chinese Mythology and Supernatural

CHIN 191B - Variable Topics Research Seminars: 20th-Century China and Taiwan

COM LIT M176 - Literature and Technology

ETHNMUS C156A - Music in China

ETHNMUS C159 - Music on China's Periphery

ETHNMUS 160 - Survey of Music in Japan

ETHNMUS 161J - Advanced World Music Performance Organizations: Music of Korea

JAPAN 124 - Language and Culture of Ryukyu/Okinawa

JAPAN CM127 - Contrastive Analysis of Japanese and Korean

JAPAN 130A - Readings in Modern Japanese Literature

JAPAN 130B - Readings in Modern Japanese Literature

JAPAN 130C - Readings in Modern Japanese Literature

JAPAN 151 - Japanese Literature in Translation: Modern

JAPAN 154 - Postwar Japanese Culture through Literature

JAPAN 155 - Topics in Japanese Cinema

JAPAN M156 - Literature and Technology

JAPAN CM160 - Japanese Buddhism

JAPAN 161 - Religious Life in Modern Japan

JAPAN 170 - Japanese Tales of Supernatural

JAPAN 174 - Classical Japanese Poetry

JAPAN C182 - Japanese Folklore

JAPAN 191B - Variable Topics Research Seminars: Modern Japan

KOREA C105A - Reading Korean Academic Texts

KOREA C105B - Reading Korean Academic Texts

KOREA C105C - Reading Korean Academic Texts

KOREA CM127 - Contrastive Analysis of Japanese and Korean

KOREA 148A - Reading Modern Korean Academic Texts

KOREA C151 - Korean Literature in Translation: Modern

KOREA 153 - Korea West Encounters

KOREA 154 - Contemporary Korean Culture through Literature and Film

KOREA 155 - Topics in Korean Cinema

KOREA CM160 - Korean Buddhism

KOREA 172 - Topics in Korean Christianity

KOREA C177 - Intellectual History of Modern Korea

KOREA 179 - Gender and Sexuality in Korean Literature

KOREA 180C - History of Korea since 1876

KOREA 182 - 1894 Kabo Reforms: History at Crossroads of Civilizations

KOREA 183 - Korean Folklore

KOREA 184B - Women in History: Modern Korea

KOREA 185 - Education and Society in Korea

KOREA M186 - Korea and Vietnam: Comparative Modern Histories

KOREA 187 - Popular and Folk Religion in Korea

KOREA 191B - Variable Topics Research Seminars: Contemporary Korean History

THEATER 102A - Theater of Japan

SOCIAL SCIENCES GROUP 1

Select two courses from:

ANTHRO M145T - Women's Voices: Their Critique of Anthropology of Japan

ANTHRO 163P - Ideology and Social Change in Contemporary China

ANTHRO 163Q - Societies of Central Asia

ANTHRO 163R - Japan

ASIA AM 171A - Critical Issues in U.S.-China Relations

ASIA AM 171B - Critical Issues in U.S.-Japan Relations

ASIA AM 171C - Critical Issues in U.S.-Korea Relations

GENDER M170C - History of Women in China, AD 1000 to Present

GENDER M173B - Women in 20th-Century Japan

GEOG 175A - Japan in World: Culture, Place, and Global Connections

GEOG 175B - Contemporary China

HIST 169B - Thought and Society in China since 1000

HIST 170B - Selected Topics in Chinese History from 1500

HIST 170D - 20th-Century China

HIST 172C - Modern Japanese History, 1850 to 1945

HIST 173A - Japanese Popular Culture

HIST M173C - Shinto, Buddhism, and Japanese Folk Religion

POL SCI 159A - Government and Politics of China: Chinese Revolution and Age of Mao Zedong

POL SCI 159B - Government and Politics of China: China in Age of Reform

POL SCI 160 - Government and Politics of Japan

SOCIOL 181A - Sociology of Global China

SOCIOL 181B - Sociology of Contemporary China

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

ANTHRO 116Q - Selected Topics in Archaeology of China

ART HIS C148A - Art and Material Culture, Neolithic to 210 BC

ART HIS C148B - Art and Material Culture of Early Imperial China, 210 BC to AD 906

ART HIS C148C - Art and Material Culture of Late Imperial China, 906 to 1911

ART HIS 152A - Arts of Korea

ART HIS C152B - History of Korean Painting

ART HIS C152D - History of Korean Buddhist Art

ART HIS 154B - Later Art of India

ASIA AM 111 - Asian Americans and War

ASIA AM 113 - Asian Americans and Law

ASIA AM 121 - Exploring Asian American Theater

ASIA AM 122B - Gender and Film in Pacific

ASIA AM 130A - Chinese American Experience

ASIA AM M130C - Chinese Immigration

ASIA AM 131A - Japanese American Experience

ASIA AM 131B - Japanese Americans and Incarceration

ASIA AM 131C - Japanese American Resettlement

ASIA AM 132A - Korean American Experience

CHIN C175 - Introduction to Chinese Thought

CHIN M183 - Archaeological Landscapes of China

CHIN 186 - Archaeology in China

CHIN 191A - Variable Topics Research Seminars: Classical China

HIST 152 - Asians in American History

HIST 170A - Culture and Power in Late Imperial China

HIST 172B - Japanese History: Early Modern, 1600 to 1868

JAPAN 165 - Introduction to Japanese Buddhist Texts

JAPAN 172 - Fiction and Plays of Floating World

JAPAN 191A - Variable Topics Research Seminars: Classical Japan

KOREA C150 - Korean Literature in Translation: Classical

KOREA 165 - Introduction to Korean Buddhist Texts

KOREA 180A - History of Korea through 1259

KOREA 180B - History of Korea, 1260 through 1876

KOREA 184A - Women in History: Premodern Korea

KOREA 191A - Variable Topics Research Seminars: Premodern or Early Modern Korea

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

European Studies Minor

College / School
College of Letters and Science

Department
International and Area Studies

Level

Undergraduate

Overview

The European Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of Europe from an interdisciplinary and modern perspective.

Study Abroad

European Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

COM LIT 1C - World Literature: Age of Enlightenment to 20th Century

COM LIT 2CW - Survey of Literature: Age of Enlightenment to 20th Century

COM LIT 4CW - Literature and Writing: Age of Enlightenment to 20th Century

ENGL 88G - Lower-Division Seminar: Special Topics in English—20th-Century British Literature

FRNCH 12 - Introduction to Study of French and Francophone Literature

FRNCH 14 - Introduction to French Culture and Civilization in English

FRNCH 14W - Introduction to French Culture and Civilization in English

FRNCH 41 - French Cinema and Culture

FRNCH 60 - French and Francophone Novel

GERMAN 50B - Great Works of German Literature in Translation: Romanticism to Present

GERMAN 59 - Holocaust in Film and Literature

GERMAN 61A - Modern Metropolis: Berlin

HIST 1C - Introduction to Western Civilization: Circa 1715 to Present

HIST 97C - Introduction to Historical Practice: Variable Topics in European History

I A STD 40 - Introduction to Europe

ITALIAN 42B - Italy through Ages in English: Modern and Contemporary Italy

ITALIAN 46 - Italian Cinema and Culture in English

ITALIAN 50B - Masterpieces of Italian Literature in English: Enlightenment to Postmodernity

PORTGSE 40A - Portuguese, Brazilian, and African Literature in Translation: Portuguese and Portuguese-African Literature

ROMANIA 90 - Introduction to Romanian Civilization

RUSSN 25 - Great Russian Novel

RUSSN 25W - Great Russian Novel

RUSSN 30 - Russian Literature and World Cinema

RUSSN 31 - Introduction to Russian Film

RUSSN 32 - Russia and Asia: Cultural Dialogues

RUSSN 90B - Russian Civilization in 20th Century

RUSSN 90BW - Russian Civilization in 20th Century

SCAND 50 - Introduction to Scandinavian Literatures and Cultures

SCAND 50W - Introduction to Scandinavian Literatures and Cultures

SLAVC 90 - Introduction to Slavic Civilization

SPAN 42 - Iberian Cultures

Required Upper-Division Courses (20 to 21 units)

Select five area studies from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from:

- ART HIS 127B - European Art of 19th Century
- ART HIS M127C - Cultural and Intellectual History of Modern Europe, 19th Century
- C&EE ST M125 - Interwar Central European Prose
- COM LIT C163 - Crisis of Consciousness in Modern Literature
- COM LIT C164 - Modern European Novel
- DUTCH 113 - Modern Dutch and Flemish Literature in Translation
- DUTCH 131 - Introduction to Modern Dutch Literature
- ENGL 115B - British Popular Literature
- ENGL 164A - Earlier 19th-Century Poetry
- ENGL 164B - 19th-Century Critical Prose
- ENGL 164C - 19th-Century Novel
- ENGL 171B - 20th-Century British Poetry
- ENGL 171C - 20th-Century British Fiction
- ETHNMUS 133 - European Musics: Politics, Identities, Nationalisms
- FILM TV 106B - History of European Motion Picture
- FRNCH 114C - Survey of French Literature: 19th and 20th Centuries
- FRNCH 119 - Studies in 19th-Century French Culture and Literature
- FRNCH 120 - Studies in 20th-Century French Culture and Literature
- FRNCH 138 - Contemporary French Theory
- FRNCH 139 - Paris: Study of French Capital
- FRNCH 141 - French Cinema
- GERMAN 102 - War, Politics, Art

GERMAN 103 - German Film in Cultural Context: Early German Film

GERMAN 104 - German Film in Cultural Context, 1945 to Present

GERMAN 110 - Special Topics in Modern Literature and Culture

GERMAN 112 - Feminist Issues in German Literature and Culture

GERMAN 173 - Advanced Study of Modern Literature

GERMAN 174 - Advanced Study of Contemporary Literature and Culture

ITALIAN 102C - Italian Cultural Experience in English

ITALIAN 120 - Modern and Contemporary Literature

ITALIAN 121 - Literature and Film

ITALIAN 150 - Modern Fiction in Translation

ITALIAN M158 - Women, Gender, and Sexuality in Italian Culture

RUSSN 107B - Russian for Social and Cultural Studies

RUSSN 120 - Literature and Revolution

RUSSN 121 - Russian Pop Culture

RUSSN 122 - Siberia

RUSSN M127 - Women in Russian Literature

RUSSN 128 - Russian Science Fiction

RUSSN 130A - Russian Poetry: Introduction to Analysis of Russian Poetry

RUSSN 130B - Russian Poetry: Poetry of Russian Neoclassicism, Romanticism, and Realism

RUSSN 130C - Russian Poetry: Russian Poetry in the 20th Century

RUSSN 131 - History of Russian Cinema

RUSSN M132 - Comparative Media Studies

RUSSN 140A - Russian Prose Fiction: Introduction to Analysis of Russian Narrative Prose

RUSSN 140B - Russian Prose Fiction: Russian Romantic Prose

RUSSN 140C - Russian Prose Fiction: Great Realists

SCAND C141A - Theory of Scandinavian Novel

SCAND 141C - Short Story in Scandinavia

SCAND C155 - Modern Breakthrough

SCAND 156 - Scandinavian Literature of 20th Century

SCAND 157 - Contemporary Nordic Literature

SCAND 161 - Introduction to Nordic Cinema

SCAND C163A - Introduction to Danish Cinema

SCAND C163B - Introduction to Swedish Cinema

SCAND C163C - Introduction to Norwegian Cinema

SCAND 173A - Popular Culture in Scandinavia

SCAND C174A - Minority Cultures in Scandinavia

SCAND 174B - Queer Scandinavia

SCAND C180 - Literature and Scandinavian Society

YIDDSH 131A - Modern Yiddish Poetry

YIDDSH 131B - Modern Yiddish Prose and Drama

SOCIAL SCIENCES GROUP 1

Select two courses from:

ECON 181 - Development of Economic Institutions in Western Europe

GEOG 173A - Cities of Europe

GEOG 174A - The Mediterranean World

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 120B - East-Central Europe: Short 20th Century, 1918 to 1990

HIST 120C - East-Central Europe in Transition, 1988 to 1993

HIST 120D - Film and History: Central and Eastern Europe, 1945 to 1989

HIST 121D - History of Modern Europe: Bourgeois Century, 1815 to 1914

HIST 121E - History of Modern Europe: Era of Total War, 1914 to 1945

HIST 121F - History of Modern Europe: World War II and Its Aftermath, 1939 to Present

HIST 122F - Cultural and Intellectual History of Modern Europe, 20th Century

HIST 123B - War and Diplomacy in Europe, 1815 to 1945

HIST 123C - War and Diplomacy in Europe, Cold War

HIST 124B - History of France: France, 1715 to 1871

HIST 124C - History of France: Making of Modern France, 1871 to Present

HIST 125B - Global German History in an Age of Empire, 1770s to 1914

HIST 125C - 20th-Century Germany

HIST 125D - History of Low Countries

HIST 127B - History of Russia: Imperial Russia from Peter the Great to Nicholas II

HIST 127C - History of Russia: Revolutionary Russia and Soviet Union

HIST 127D - History of Russia: Culture and Society in Imperial Russia

HIST 128C - History of Italy, 1848 to Present

HIST 129B - Social History of Spain and Portugal: Rebellion and Revolution in Modern Spain and Portugal, 1789 to Present

HIST 131A - Marxist Theory and History

HIST 131B - Marxist Theory and History

HIST 134B - Economic History of Europe, 1780 to 1914

HIST 134C - Economic History of Europe, 20th Century

HIST 135C - Europe and World: Imperialism and Postcolonialism, 1870 to Present

HIST 136B - History of Britain: Making of Modern Britain, 1715 to 1867

HIST 136C - History of Britain: Modern Britain since 1832

HIST 137A - British Empire since 1783

HIST 137B - British Empire since 1783

HIST 183A - Third Reich and Jews

HIST 183B - Third Reich and Jews

HNRS 173A - Liberty, Government, and Society in European Thought

POL SCI 153A - Comparative Government and Politics of Western Europe: West European Government and Politics

POL SCI 156A - Government and Politics of Post-Communist States: Russia

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

FRNCH 114A - Survey of French Literature: Medieval and Renaissance Literature

FRNCH 114B - Survey of French Literature: 17th and 18th Centuries

FRNCH 115 - Studies in Medieval French Culture and Literature

FRNCH 116 - Studies in Renaissance French Culture and Literature

FRNCH 117 - Studies in 17th-Century French Culture and Literature

FRNCH 118 - Studies in 18th-Century French Culture and Literature

FRNCH 169 - Paris: Study of French Capital in Translation

GERMAN 170 - Goethe and World Literature

HIST 121A - History of Modern Europe: Renaissance and Reformation, 1450 to 1660

HIST 121B - History of Modern Europe: Baroque Culture and Absolutist Politics, 1600 to 1715

HIST 121C - History of Modern Europe: Old Regime and Revolutionary Era, 1715 to 1815

HIST 122A - Cultural and Intellectual History of Modern Europe, 15th Century

HIST 122B - Cultural and Intellectual History of Modern Europe, 16th Century

HIST 122C - Cultural and Intellectual History of Modern Europe, 17th Century

HIST 125A - Baroque and Enlightenment Germany

HIST 126 - Europe in Age of Revolution, circa 1775 to 1815

ITALIAN 102A - Italian Cultural Experience in English

ITALIAN 102B - Italian Cultural Experience in English

ITALIAN 103A - Introduction to Classic Italian Literary and Cultural Studies

ITALIAN 103B - Introduction to Modern Italian Literary and Cultural Studies

ITALIAN 110 - Dante in English

ITALIAN 113 - Dante's "La Divina Commedia"

ITALIAN 114B - Middle Ages: Medieval Humor, Moralism, and Society

ITALIAN 116A - Italian Renaissance: Renewal of Art and Thought

ITALIAN 116B - Italian Renaissance: Power and Imagination in Renaissance

ITALIAN 140 - Italian Novella from Boccaccio to Basile in Translation

POL SCI 111C - Late Modern Political Theory

RUSSN C124C - Studies in Russian Literature: Chekhov

RUSSN C124D - Studies in Russian Literature: Dostoevsky

RUSSN CM124G - Studies in Russian Literature: Gogol

RUSSN C124N - Studies in Russian Literature: Nabokov

RUSSN C124P - Studies in Russian Literature: Pushkin

RUSSN C124T - Studies in Russian Literature: Tolstoy

SCAND 142A - Introduction to Nordic Theater and Drama

SCAND 143C - Scandinavian Crime Literature

SCAND 154 - Romanticism

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Latin American Studies Minor

College / School
College of Letters and Science

Department
International and Area Studies

Level

Undergraduate

Overview

The Latin American Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of Latin America from an interdisciplinary and modern perspective.

Study Abroad

Latin American Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

CLUSTER 26A - Poverty and Health in Latin America

HIST 8A - Colonial Latin America

HIST 8B - Modern Latin America

HIST 8C - Latin American Social History

HIST 97E - Introduction to Historical Practice: Variable Topics in Latin American History

I A STD 50 - Introduction to Latin America

PORTGSE 40B - Portuguese, Brazilian, and African Literature in Translation: Brazilian Literature

PORTGSE 46 - Brazil and Portuguese-Speaking World

SPAN 44 - Latin American Cultures

Required Upper-Division Courses (20 to 21 units)

Select five area studies from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from the following. Ethnomusicology 161K must be taken twice to equal one 4-unit course.

- ART HIS C142A - Mexican Art in Modern Age
- ART HIS C142B - Latin American Art of 20th Century
- ART HIS 144 - Caribbean Art
- COM LIT 177 - Comparative Studies of Francophone and Anglophone Caribbean
- ENGL 135 - Literature of Americas
- ETHNMUS M108A - Music of Latin America: Mexico, Central America, and Caribbean Isles
- ETHNMUS 108B - Music of Latin America: Latin South America
- ETHNMUS 161K - Advanced World Music Performance Organizations: Music of Mexico
- FILM TV 106C - History of African, Asian, and Latin American Film
- PORTGSE 130A - Introduction to Literature in Portuguese
- PORTGSE 130B - Introduction to Literature in Portuguese
- PORTGSE 141B - Film, Television, and Society in Brazil
- PORTGSE 142A - Brazil and Its Culture
- PORTGSE 142B - Brazil and Portugal in Comparative Perspective
- SPAN 120 - Literature in Historical Context
- WL ARTS C139 - Afro-Caribbean Ritual Arts

SOCIAL SCIENCES GROUP 1

Select two courses from:

- AF AMER M154C - Black Experience in Latin America and Caribbean I
- AF AMER M154D - Black Experience in Latin America and Caribbean II

AF AMER M178 - Sociology of Caribbean

ANTHRO 161 - Latin American Communities

ANTHRO 162 - Ethnography of South America

CCAS 111 - Chicana/Chicano and Latina/Latino Intellectual Traditions

CCAS 117 - Chicana/Chicano Images in Mexican Film and Literature

CCAS M125 - U.S./Mexico Relations

CCAS M132 - Border Consciousness

CCAS C141 - Chicana and Latin American Women's Narrative

CCAS 143 - Mestizaje: History of Diverse Racial/Cultural Roots of Mexico

CCAS 151 - Human Rights in Americas

CCAS 169 - Representations of Indigenous Peoples in Americas

COM HLT 132 - Health, Disease, and Health Services in Latin America

GENDER 129 - Women and Gender in Caribbean

GENDER M144 - Women's Movement in Latin America

GENDER M147C - Transnational Women's Organizing in Americas

GEOG 135 - Africa and African Diaspora in Americas

GEOG 172A - Spanish South America

GEOG 172C - Brazil

HIST 159 - Latin America in 19th Century

HIST 160A - Latin American Elitelore

HIST 160B - Mexican Revolution since 1910

HIST 162A - Modern Brazil

HIST 162B - Brazil and Atlantic World, 1500 to 1822

HIST 162C - History of Argentina

POL SCI 154A - Government and Politics in Latin America: States of Middle America

POL SCI 154B - Government and Politics in Latin America: States of South America

PUB HLT M106 - Health in Chicano/Latino Population

SOCIOL 186 - Latin American Societies

SOCIOL 191J - Undergraduate Seminar: Mexican Society

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

ANTHRO 114P - Ancient Civilizations of Mesoamerica

ANTHRO 114Q - Ancient Civilizations of Andean South America

ART HIS CM139A - Maya Art and Architecture

ART HIS C139B - Aztec Art and Architecture

ART HIS CM141 - Colonial Latin American Art

CCAS M105D - Introduction to Latina/Latino Literature

CCAS M105E - Studies in Chicana/Chicano and/or Latina/Latino Literature

CCAS 109 - Chicana/Chicano Folklore

CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

CCAS 142 - Mesoamerican Literature

CCAS M159B - History of Chicano Peoples

CCAS 184 - History of U.S./Mexican Borderlands

CCAS M187 - Latino Metropolis: Architecture and Urbanism in Americas

ETHNMUS M116 - Chicano/Latino Music in U.S.

HIST 157A - Early Latin America

HIST 157B - Indians of Colonial Mexico

PORTGSE 143A - Colony, Intellectuals, and History

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

South Asian Studies Minor

College / School
College of Letters and Science

Department
International and Area Studies

Level

Undergraduate

Overview

The South Asian Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of South Asia from an interdisciplinary and modern perspective.

Study Abroad

South Asian Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

ART HIS 31 - Art of India and Southeast Asia

HIST 9A - Introduction to Asian Civilizations: History of India

HIST 97N - Introduction to Historical Practice: Variable Topics in Indian History

S ASIAN M60 - Religion in Classical India: Introduction

Required Upper-Division Courses (20 to 21 units)

Select five area studies from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from:

ART HIS C154C - Advanced Indian Art

ART HIS 154D - Modern and Contemporary South Asian Art

ASIAN 151 - Buddhist Literature in Translation

ASIAN 162 - Buddhist Meditation Traditions

ASIAN 163 - Buddhism across Boundaries

COM LIT C178 - India Ink: Literature and Culture of Modern South Asia

ETHNMUS 146 - Folk Music of South Asia

ETHNMUS 147 - Survey of Classical Music in India

S ASIAN 150 - Classical Indian Literature in Translation

S ASIAN 155 - Topics in South Asian Cinema and Literature

SOCIAL SCIENCES GROUP 1

Select two courses from:

ASIA AM 172C - Transnational Bollywood

GENDER M164A - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

HIST 174B - History of British India I

HIST 174C - Contemporary South Asia

HIST 175A - Cultural and Political History of Contemporary South Asia

HIST 175C - Special Topics in Contemporary Indian History

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

ANTHRO 116P - Archaeology of South Asia

ART HIS 154A - Early Art of India

ART HIS 154B - Later Art of India

ASIAN 164 - Buddhism and Early Religious History of Pakistan, Afghanistan, and Central Asia: Introduction

ASIA AM M172A - Indian Identity in U.S. and Diaspora

ASIA AM 172B - Gender in South Asian Communities at Home and Abroad

HIST 174A - Early History of India

S ASIAN CM160 - Buddhism in India

S ASIAN 185 - Women and Gender in Ancient India

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Southeast Asian Studies Minor

College / School
College of Letters and Science

Department
International and Area Studies

Level

Undergraduate

Overview

The Southeast Asian Studies minor is designed for students who wish to augment their major with concerted study of the history, culture, and society of Southeast Asia—Brunei, Cambodia, East Timor, Indonesia, Laos, Malaysia, Myanmar (Burma), Philippines, Singapore, Thailand, and Vietnam—from an interdisciplinary and modern perspective.

Study Abroad

Southeast Asian Studies minors are highly encouraged to study abroad. Students can travel to all areas through a variety of programs with various lengths (summer or during the academic year).

Students may partially fulfill the area studies elective requirement by participating in an International Institute Summer Travel Study program consisting of two courses in and on a particular region of the world. Contact the academic counselor for more information on available programs.

More information about **study abroad programs** is available through the UCLA **International Education Office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing (overall grade-point average of 2.0 or better) and have completed all lower-division minor courses with a GPA of 2.0 or better in those courses.

Minor Requirements

The Minor

Required Lower-Division Courses (13 to 15 units)

Complete three courses as follows:

I A STD 1 - Introduction to International and Area Studies

INTERNATIONAL SOCIETIES AND CULTURES

Select two courses from the following. Only one course from Comparative Literature 1D, 2DW, or 4DW may be applied.

ANTHRO 3 - Culture and Society

COM LIT 1D - Great Books from World at Large

COM LIT 2DW - Survey of Literature: Great Books from World at Large

COM LIT 4DW - Literature and Writing: Great Books from World at Large

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ETHNMUS 5 - Music Around World

ETHNMUS M25 - Global Pop

GEOG 3 - Cultural Geography

GEOG 4 - Globalization: Regional Development and World Economy

GEOG 6 - World Regions: Concepts and Contemporary Issues

HIST 2B - Social Knowledge and Social Power

HIST 22 - Contemporary World History, 1760 to Present

POL SCI 50 - Introduction to Comparative Politics

SOCIOL 1 - Introductory Sociology

WL ARTS 20 - Culture: Introduction

WL ARTS 33 - Colonialisms and Resistance

Area Studies

Students may substitute one area studies preparation course toward the international societies and cultures preparation requirement.

ART HIS 31 - Art of India and Southeast Asia

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

HIST 97M - Introduction to Historical Practice: Variable Topics in Southeast Asian History

I A STD 31 - Introduction to Southeast Asia

SEASIAN M20 - Visible Language: Study of Writing

SEASIAN 50 - Southeast Asian Societies and Cultures

SEASIAN M60 - Religious Traditions in Southeast Asia

SEASIAN 70 - Modern Southeast Asian Literature

SEASIAN 90 - Modern Literatures in Southeast Asia

VIETMSE 40 - War in Vietnamese Popular Culture

Required Upper-Division Courses (20 to 21 units)

Select five area studies from the humanities and arts and social sciences groups as follows:

HUMANITIES AND ARTS GROUP 1

Select two courses from. Ethnomusicology 161B must be taken twice to equal one 4-unit course.

ETHNMUS 161B - Advanced World Music Performance Organizations: Music of Bali

SEASIAN 130 - Topics in Southeast Asian Literature

SEASIAN 135 - Religion and Society in Southeast Asia

SEASIAN C140 - Zomia: Peoples, Societies, and Cultures of Upland Southeast Asia

SEASIAN C150 - Indigenous Peoples of Southeast Asia

VIETMSE CM155 - Topics in Vietnamese Cinema and/or Literature

VIETMSE 180B - Vietnam: History and Civilization, 1858 to Present

VIETMSE M186 - Korea and Vietnam: Comparative Modern Histories

SOCIAL SCIENCES GROUP 1

Select two courses from:

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

GENDER M164A - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST 176C - Philippine History

HIST 176E - Vietnam: Past and Present

HIST 177A - National Histories of Southeast Asia

HIST 177B - Comparative Histories of Southeast Asia

HIST 185B - Religions of South and Southeast Asia

HIST 185C - Religions of South and Southeast Asia

POL SCI 158 - Southeast Asian Politics

ADDITIONAL ELECTIVE

Select one additional course from either group 1 or group 2.

SUBSTITUTIONS

The area studies electives listed in group 1 focus on contemporary issues of that region after 1750. Students may substitute a maximum of one upper-division course with focus on earlier historical aspects of the region or on diasporas with origins related to the region toward the area studies elective. Courses may be selected from the following group 2 list:

ART HIS 156 - Arts of Southeast Asia

ASIA AM 111 - Asian Americans and War

ASIA AM 113 - Asian Americans and Law

ASIA AM 121 - Exploring Asian American Theater

ASIA AM 122B - Gender and Film in Pacific

ASIA AM 133 - Pilipino American Experience

ASIA AM 134 - Vietnamese American Experience

HIST 152 - Asians in American History

HIST 176A - History of Southeast Asia to 1815

VIETMSE 180A - Vietnam: History and Civilization to 1858

Policies

The Minor Policies

One upper-division language course (advanced level) may be applied to item 3 above by petition to the chair of the program.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

International Development Studies Overview

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Interdepartmental Program
College of Letters and Science

10274 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

International Development Studies
310-825-5187
Program e-mail

Jennifer Jihye Chun, PhD, *Chair*

The International Development Studies major offers students the opportunity to study, analyze, and critically assess the social, political, and economic forces that, throughout history, have shaped the dynamics of inequality and injustice in the modern world. The central objective of the program is to engage students with debates around the widening patterns of disparities of wealth, power, privilege, and access to social justice that occur both within and between the countries of the global north and global south.

As an interdisciplinary program, the classes offered highlight importance of decolonization as a historical process, theory and history, culture and power, political economy, and climate change. Small capstone seminars provide students with specialized knowledge and research expertise such as how to do community-engaged research practice, what it means to democratize development, and how to understand developmental transformations in specific countries and regions.

International Development Studies Faculty Committee

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Hannah C. Appel, PhD *(Anthropology)*
Jennifer J. Chun, PhD *(Asian American Studies)*
Kevan K. Harris, PhD *(Sociology)*
Patrick C. Heuveline, PhD *(Sociology)*
Michael F. Lofchie, PhD *(Political Science)*
Daniel N. Posner, PhD *(Political Science)*
Shaina S. Potts, PhD *(Geography)*
Michael L. Ross, PhD *(Political Science)*
Alden H. Young, PhD *(African American Studies, Sociology)*

Major

International Development Studies BA

College / School
College of Letters and Science

Department
International Development Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The curriculum introduces students to key theoretical debates around development and to detailed case studies of successful and failed interventions; and provides methodological training. Core and elective courses illuminate the extent to which realities that affect people often arise owing to economic class,

gender, race, ethnicity, religion, migrant status and other identities, and investigate the impact of policy solutions and forms of citizen engagement on communities and the environment. Students are trained to both think critically about these issues and explore ways to engage with development work at home and abroad through experiential learning, internships, immersive study abroad programs, independent faculty-guided research, and collaborative group projects.

Study Abroad

International Development Studies majors are highly encouraged to study abroad in developing areas of the world. Students can do so through a variety of programs with various lengths (summer or during the academic year). More information about study abroad programs is available through the UCLA **International Education Office**. Contact the **office** by e-mail, in person at 1332 Murphy Hall, or by phone at 310-825-4995.

Capstone Major

The International Development Studies major is a designated capstone major. Seniors must complete an advanced seminar that provides unique opportunity to work closely with a faculty member on a focused topic of research. Students completing the capstone should be able to demonstrate skills and expertise acquired in earlier coursework; identify, analyze, and select relevant data from primary and secondary sources; acquire a working knowledge of broader scholarly discourse; conceive and execute an original research paper; and engage with a community of scholars, presenting their work to peers as well as providing feedback on peers' work. The seminar culminates in a written paper or project and a formal class report.

Learning Outcomes

1. Demonstrated specific skills and expertise, including original research, data analysis, clear and cogent writing, and general knowledge/critique of majors issues in the field
2. Identification, analysis, selection, and use of relevant data from primary and secondary sources

3. Working knowledge and formation of an opinion about diverse perspectives and discourses

4. Design of an original research project that identifies, engages, and addresses a focused problem

5. Active engagement with a community of scholars by expressing viewpoints through robust and informed discourse

Entry to the Major

Admission

Admission to the International Development Studies major is by application only. To be eligible to apply, students must have first completed all nonlanguage preparation courses and the foreign language courses through at least level 3 (elementary level). Any remaining language courses may be completed after students have been accepted to the major.

Pre-Major

Incoming first-year and transfer students may be admitted as International Development Studies pre-majors on acceptance to UCLA. Pre-major students must apply for major standing at the end of fall quarter of their junior year; they are not automatically accepted into the major.

Transfer Students

Transfer applicants to the International Development Studies pre-major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two introductory macroeconomics, microeconomics, and/or economic geography courses; one statistics course; three courses, each from a separate category, selected from sociocultural anthropology, cultural or economic geography, cultural area studies, world history, comparative politics, and introductory sociology; and demonstrated proficiency equivalent to level 3 at UCLA in one modern foreign language. Transfer students must apply for the major by the end of fall quarter of their junior year.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Each preparation for the major course must be taken for a letter grade, and students must have a UC grade-point average of 2.0 or better in those courses.
The application period is once per year, and students must apply no later than the end of fall quarter of their junior year.
Meeting the above minimums does not guarantee admission to the program. Admission is on a competitive basis, using the above qualifications as minimum standards for consideration.

Major Requirements

Preparation for the Major

Complete six courses and demonstrate proficiency in one modern foreign language equivalent to level 6 at UCLA.

INTL DV 1 - Introduction to International Development Studies

Economics, Geography, Public Affairs

Select one course from:

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

GEOG 4 - Globalization: Regional Development and World Economy

PUB AFF 30 - Comparative Analysis of Wealth, Policy, and Power

PUB AFF 40 - Microeconomics for Public Affairs

Methods

Select one course from:

ECON 41 - Probability and Statistics for Economists

EDUC 35 - Introduction to Inquiry and Research in Education

HIST 96W - Introduction to Historical Practice

POL SCI 6 - Introduction to Data Analysis

PUB AFF 60 - Using Data to Learn about Society: Introduction to Empirical Research and Statistics

SOCIOL 20 - Introduction to Sociological Research Methods

STATS 10 - Introduction to Statistical Reasoning

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

Social Sciences/Area Studies

Select three social sciences/area studies courses, each from a different category, from:

ANTHROPOLOGY

ANTHRO 3 - Culture and Society

GENDER STUDIES

GENDER 10 - Introduction to Gender Studies

GEOGRAPHY

GEOG 3 - Cultural Geography

GEOG 5 - People and Earth's Ecosystems

GEOG 6 - World Regions: Concepts and Contemporary Issues

GLOBAL STUDIES AND INTERNATIONAL AND AREA STUDIES

GLBL ST 1 - Introduction to Globalization

I A STD 1 - Introduction to International and Area Studies

I A STD 31 - Introduction to Southeast Asia

I A STD 33 - Introduction to East Asia

I A STD 50 - Introduction to Latin America

HISTORY

HIST 8A - Colonial Latin America

HIST 8B - Modern Latin America

HIST 8C - Latin American Social History

HIST 9A - Introduction to Asian Civilizations: History of India

HIST 9D - Introduction to Asian Civilizations: History of Middle East

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

HIST 10B - History of Africa, 1800 to Present

HIST 10BW - Introduction to Civilizations of Africa since 1800

HIST 11B - History of China, circa 1000 to 2000

HIST 12B - Inequality: History of Neoliberalism

HIST 12C - Inequality: Global History of Anti-Colonial Thought and Struggle

HIST 22 - Contemporary World History, 1760 to Present

POLITICAL SCIENCE

POL SCI 20 - World Politics

POL SCI 50 - Introduction to Comparative Politics

SOCIOLOGY

SOCIOL 1 - Introductory Sociology

COMPARATIVE LITERATURE AND SPANISH

COM LIT 4DW - Literature and Writing: Great Books from World at Large

SPAN 44 - Latin American Cultures

Foreign Language

Demonstrate proficiency in one modern foreign language equivalent to level 6 at UCLA.

The Major

Complete 11 courses as follows: three core courses, one capstone seminar, one research methodology course, three social and critical theory courses, two regional courses, and one disciplinary elective.

Core

Select three courses from:

- INTL DV 110 - Culture, Power, and Development
- INTL DV M120 - Political Economy of Development
- INTL DV 130 - Theory and History in International Development
- INTL DV 140 - Decolonizing Political Economy: Colonialism and Development

Capstone Seminar

Complete the following course:

- INTL DV 191 - Variable Topics Research Seminars: International Development Studies—Senior Seminar

Research Methodology

Select one course from:

- ANTHRO 138P - Field Methods in Cultural Anthropology
- ASIA AM 103 - Social Science Research Methods
- ASIA AM C142A - Ethnocommunications I: Introduction to Creating Community Media
- ASIA AM C142B - Ethnocommunications II: Intermediate Creating Community Media
- CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories
- CCAS M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles
- CCAS 123 - Applied Research Methods in Latino Communities
- ECON 103 - Introduction to Econometrics
- POL SCI 170A - Studies in Statistical Analysis of Political Data

PUB AFF 115 - Using Quantitative Methods to Understand Social Problems and their Potential Solutions

PUB AFF 116 - Using Qualitative Methods to Understand Social Problems and Their Potential Solutions

SOCIOL 113 - Statistical and Computer Methods for Social Research

STATS 112 - Statistics: Window to Understanding Diversity

URBN PL M122 - Policy, Planning, and Community

Social and Critical Theory

Select three courses each from a different department from the following. International Development Studies 110, M120, 130, or 140 may be applied if not taken for the core.

ANTHRO 130 - Study of Culture

ANTHRO 140 - Study of Social Systems

ANTHRO 143 - Economic Anthropology

ANTHRO 146 - Urban Anthropology

ANTHRO 147 - Development Anthropology

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ECON 134 - Environmental Economics

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M133 - Environmental Sociology

ENVIRON M161 - Global Environment and World Politics

GENDER 102 - Power

GENDER 103 - Knowledge

GEOG M125 - Environmentalism: Past, Present, and Future

GEOG M127 - Global Environment and Development: Problems and Issues

GEOG 130 - Food and Environment

GEOG 140 - Social Geography

GEOG 141 - Cultural Geography of Modern World

GEOG 148 - Political Geography

GEOG 150 - Economic Geography

GEOG 151 - Uneven Development Geographies: Prosperity and Impoverishment in Third World

GEOG 158 - Population Geography

INTL DV 110 - Culture, Power, and Development

INTL DV M120 - Political Economy of Development

INTL DV 130 - Theory and History in International Development

INTL DV 140 - Decolonizing Political Economy: Colonialism and Development

INTL DV M150 - Political Economy of Climate Change

POL SCI M122B - Global Environment and World Politics

POL SCI 124A - International Political Economy

POL SCI 167D - Political Institutions and Economic Development

POL SCI 168 - Comparative Political Analysis

PUB AFF 110 - Urban Revolution: Space and Society in Global Context

SOCIOL 101 - Development of Sociological Theory

SOCIOL 102 - Contemporary Sociological Theory

SOCIOL M115 - Environmental Sociology

SOCIOL 122 - Sociology of Violence

SOCIOL 123 - Social Change

SOCIOL 182 - Political Sociology

SOCIOL 183 - Comparative and Historical Sociology

SOCIOL 191D - Undergraduate Seminar: Sociology of Development

URBN PL M110 - Inequality and Democracy: Analysis and Praxis of Public Problems

URBN PL 121 - Urban Policy and Planning

URBN PL M160 - Environmental Politics and Governance

URBN PL CM166 - Global Environment and Development: Problems and Issues

Regional

Select two regional courses, either from the same or separate developing regions of the world (East Asia and East Central Asia, Eastern Europe and West Central Asia, Latin America and Caribbean Basin, Middle East and North Africa, South and Southeast Asia and Pacific Islands, Sub-Saharan Africa) and one disciplinary elective listed below:

EAST ASIA AND EAST CENTRAL ASIA

ANTHRO 163P - Ideology and Social Change in Contemporary China

ASIA AM 171A - Critical Issues in U.S.-China Relations

CHIN 152 - Topics in Contemporary Chinese Literature and Culture

GENDER M170C - History of Women in China, AD 1000 to Present

GEOG 175B - Contemporary China

HIST M170C - History of Women in China, AD 1000 to Present

HIST 170D - 20th-Century China

KOREA 154 - Contemporary Korean Culture through Literature and Film

KOREA 155 - Topics in Korean Cinema

KOREA 180C - History of Korea since 1876

POL SCI 159A - Government and Politics of China: Chinese Revolution and Age of Mao Zedong

POL SCI 159B - Government and Politics of China: China in Age of Reform

SOCIOL 181A - Sociology of Global China

EASTERN EUROPE AND WEST CENTRAL ASIA

ANTHRO 163Q - Societies of Central Asia

C&EE ST M125 - Interwar Central European Prose

C&EE ST CM126 - Cold-War Central European Culture

GENDER M127 - Women in Russian Literature

HIST 107C - Armenian History: Armenia in Modern and Contemporary Times, 19th and 20th Centuries

HIST 120B - East-Central Europe: Short 20th Century, 1918 to 1990

HIST 120D - Film and History: Central and Eastern Europe, 1945 to 1989

HIST 127B - History of Russia: Imperial Russia from Peter the Great to Nicholas II

HIST 127C - History of Russia: Revolutionary Russia and Soviet Union

POL SCI 156A - Government and Politics of Post-Communist States: Russia

RUSSN 120 - Literature and Revolution

RUSSN 121 - Russian Pop Culture

RUSSN 122 - Siberia

RUSSN M127 - Women in Russian Literature

RUSSN 131 - History of Russian Cinema

GLOBAL NORTH

ASIA AM 134 - Vietnamese American Experience

CCAS M132 - Border Consciousness

EDUC M108 - Sociology of Education

ENGL 106 - Studies in Native American and Indigenous Literatures

SOCIOL 152 - Comparative Acculturation and Assimilation

THEATER 107 - Drama of Diversity

LATIN AMERICA AND CARIBBEAN BASIN

AF AMER M154C - Black Experience in Latin America and Caribbean I

AF AMER M178 - Sociology of Caribbean

ANTHRO 161 - Latin American Communities

ANTHRO 162 - Ethnography of South America

ART HIS C142B - Latin American Art of 20th Century

CCAS M125 - U.S./Mexico Relations

CCAS M126 - Politics of Crisis: Migration, Identity, and Religion

CCAS M144 - Women's Movement in Latin America

CCAS CM147 - Transnational Women's Organizing in Americas

CCAS 169 - Representations of Indigenous Peoples in Americas

COM HLT 132 - Health, Disease, and Health Services in Latin America

GENDER 123 - Gender, Race, and Class in Latin American Literature and Film, 1850 to 1950

GENDER M144 - Women's Movement in Latin America

GENDER M147C - Transnational Women's Organizing in Americas

GEOG 172A - Spanish South America

GEOG 172C - Brazil

HIST 157B - Indians of Colonial Mexico

HIST 162A - Modern Brazil

HNRS M145 - Politics of Crisis: Migration, Identity, and Religion

POL SCI 154A - Government and Politics in Latin America: States of Middle America

POL SCI 154B - Government and Politics in Latin America: States of South America

POL SCI M184A - Black Experience in Latin America and Caribbean I

PORTGSE 142A - Brazil and Its Culture

PORTGSE 143A - Colony, Intellectuals, and History

SOCIOL M178 - Sociology of Caribbean

SOCIOL 186 - Latin American Societies

MIDDLE EAST AND NORTH AFRICA

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ANTHRO 167 - Culture Area of Middle East

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M108C - Culture Area of Maghrib (North Africa)

HIST 109B - History of Israeli-Palestinian Conflict, 1881 to Present

HIST 111C - Topics in Middle Eastern History: Modern

HNRS M157 - International Relations of Middle East

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

SOUTH AND SOUTHEAST ASIA AND PACIFIC ISLANDS

ANTHRO 168P - Cultures of Pacific

ASIA AM 122A - Indigeneity, Empire, and Resistance in Pacific Islands

ASIA AM 122B - Gender and Film in Pacific

ASIA AM M171D - Critical Issues in U.S.-Philippine Relations

ASIA AM 171E - Critical Issues in U.S.-Vietnam Relations

ASIA AM 172C - Transnational Bollywood

ASIA AM M173 - Topics in Vietnamese Cinema and/or Literature

GENDER M164A - Women, Violence, Globalization: India, Philippines, Singapore, Vietnam

GEOG 176A - Southeast Asia

HIST M144C - Critical Issues in U.S.-Philippine Relations

HIST 174B - History of British India I

HIST 174C - Contemporary South Asia

HIST 175A - Cultural and Political History of Contemporary South Asia

HIST 175C - Special Topics in Contemporary Indian History

HIST 176B - History of Southeast Asia: Southeast Asia since 1815

HIST 176C - Philippine History

HIST 177B - Comparative Histories of Southeast Asia

HNRS 184 - India and Pakistan: Historic Roots of Conflict and Prospects for Cooperation

POL SCI 158 - Southeast Asian Politics

SEASIAN 135 - Religion and Society in Southeast Asia

SEASIAN 157 - Gender Issues in Southeast Asia

VIETMSE CM155 - Topics in Vietnamese Cinema and/or Literature

VIETMSE 180B - Vietnam: History and Civilization, 1858 to Present

SUB-SAHARAN AFRICA

ANTHRO 166P - Sub-Saharan Africa

ART HIS C145A - Architecture and Urbanism in Africa

ART HIS C145B - Contemporary Arts of Africa

COM LIT 169 - Continental African Authors

GEOG 138 - Wildlife Conservation in Eastern and Southern Africa

HIST 164D - Topics in African History: Africa and Diaspora in Global and Comparative Perspective

HIST 164E - Topics in African History: Africa, 1945 to Present

HIST 166B - History of West Africa: West Africa since 1800

HIST 168B - History of Southern Africa since 1870

POL SCI 151A - African Politics: Government and Politics of Africa

POL SCI 151B - African Politics: Political Economy of Africa

DISCIPLINARY ELECTIVES

ANTHRO M145R - Women and Social Movements

ANTHRO M148 - (When) Do Leaders Make Differences?

COM HLT 100 - Introduction to Community Health Sciences

ECON 121 - International Trade Theory

ECON 122 - International Finance

ECON 137 - Introduction to Urban and Regional Economics

ECON 150 - Labor Economics

ECON 151 - Topics in Labor Economics

EDUC 109A - Globalization and Learning

ENGL 130 - Introduction to Postcolonial Literatures

ENGL 131 - Studies in Postcolonial Literatures

ENVIRON 186 - Comparative Sustainability Practices in Local/Global Settings

FILM TV 106C - History of African, Asian, and Latin American Film

FILM TV 112 - Film and Social Change

FILM TV M124 - Sex, Race, and Difference in Transnational Film

GENDER M154Q - Selected Topics in Gender Systems

GENDER M154R - Women and Social Movements

GEOG M131 - Human Impact on Biophysical Environment

GEOG 139C - Problems in Geography: Culture and Environment in Modern World

GEOG M142 - (When) Do Leaders Make Differences?

GLBL ST 102 - Globalization: Markets and Resources

GLBL ST 103 - Globalization: Governance and Conflict

GLBL ST 104 - Globalization: Culture and Society

HIST 131A - Marxist Theory and History

HNRS M152 - (When) Do Leaders Make Differences?

POL SCI 116A - Marxism

POL SCI 123A - International Law

POL SCI 126 - Peace and War

POL SCI 137A - International Relations Theory

POL SCI 150 - Political Violence

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 191F - Undergraduate Seminar: Sociology of Globalization

Honors Program

In addition to completing all courses required for the major, students must take courses 198A, 198B, and 198C, in which they research, write, and present an honors thesis.

INTL DV 198A - Honors Research in International Development Studies

INTL DV 198B - Honors Research in International Development Studies

INTL DV 198C - Honors Research in International Development Studies

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

Each course must be taken for a letter grade. Students must earn a grade of C or better in International Development Studies 110, M120, 130, and 140; no more than one of these three courses may be repeated. All three core courses must be taken prior to the capstone senior seminar 191 course.

The Major Policies

Majors who have completed International Development Studies 110, M120, and 130 and who have a 3.5 grade-point average in all courses offered for the major are eligible to formally apply for the honors program.

To receive honors at graduation, students must have at least a 3.5 GPA in courses applied toward the major (including 198A, 198B, 198C) and an overall GPA of 3.0.

Highest honors are awarded to students who complete the major (including courses 198A, 198B, 198C) with a 3.75 GPA and who produce an exceptional thesis.

International Migration Studies Overview

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Interdisciplinary Minor
College of Letters and Science

10389B Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

International Migration Studies

Roger Waldinger, PhD, *Chair*

International migration is a global phenomenon—comprising broad and deep linkages within and between the developed and developing worlds. As the issues surrounding global migration processes cross manifold intellectual boundaries, understanding demands insights and methods from a broad array of disciplines. Standard models in economics or demography offer powerful explanations of why people migrate and how migration might have an effect on wages and employment in both sending and receiving societies. However, migration is ultimately about the lived experience of people—those moving and those they encounter. Understanding migrants' emergent identities and the problems of belonging and acceptance that migration generates requires attention, both to the micro level, as well as to the specific historical and cultural contexts surrounding both migration flows and societal responses.

International Migration Studies Faculty Committee

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Leisy J. Abrego, PhD *(Chicana/o and Central American Studies)*
Victor Agadjanian, PhD *(Sociology)*
Rubén Hernández-León, PhD *(Sociology)*
Hiroshi Motomura, JD *(Law)*
Marjorie E. Faulstich Orellana, PhD *(Education)*
H. Glenn Penny, PhD *(History)*
Roger Waldinger, PhD *(Sociology)*
J. Christopher Zepeda-Millán, PhD *(Chicana/o and Central American Studies, Public Policy, Sociology)*

Minor

International Migration Studies Minor

College / School
College of Letters and Science

Department
International Migration Studies

Level

Undergraduate

Overview

The minor in International Migration Studies orients students toward comparative, historical, and international dimensions, providing structured exposure to the relevant scholarship. It aims to build an appreciation of international migration and its dilemmas as it draws on the insights generated from a broad array of disciplines and methodological approaches needed for grappling with a vast social and intellectual phenomenon.

Entry to the Minor

Admission

Admission to the International Migration Studies minor is by application and is competitive, using courses, grades, grade-point averages, and personal statements as minimum standards for consideration. To better ensure that they can be successful in their research, students must also secure a faculty member who serves as their thesis advisor, generally to be chosen from the list of affiliated faculty.

Applicants must be in good academic standing with an overall grade-point average of 2.0 or better and demonstrate a genuine interest in the subject matter. Applicants are not automatically accepted into the minor and only a limited number of students are admitted each year. Applications must be submitted no later than spring quarter of the junior year.

Minor Requirements

The Minor (28 to 32 units)

Complete seven courses as follows. Students who take both core courses may apply the second course toward the elective requirement. This minor culminates in a thesis.

Core

Select one course from:

- SOCIOL 151 - Comparative Immigration
- SOCIOL 152 - Comparative Acculturation and Assimilation

Electives

Select four elective courses from at least two departments:

- ASIA AM M130C - Chinese Immigration
- ASIA AM M166A - Immigrant Rights, Labor, and Higher Education
- ASIA AM 167 - Immigration and New Second Generation
- CCAS 120 - Immigration and Chicano Community

CCAS M124 - Latinx Immigration Policy and Politics

CCAS M126 - Politics of Crisis: Migration, Identity, and Religion

CCAS 164XP - Oral History: Latino New Immigrant Youth

CCAS C179 - Language Politics and Policies in U.S.: Comparative History

ECON 103 - Introduction to Econometrics

ECON 151 - Topics in Labor Economics

ENGL 134 - Nationalism and Transnationalism

GERMAN 175 - Intercultural Germany: Literature, Politics, Migration, and Culture

HIST 145A - U.S. Urban History: U.S. Cities—Overview

HIST M146B - American Working Class Movements

HIST 146C - Migrant Nation: How Mobility Shapes American Society, Politics, and Culture

POL SCI 143C - Politics of American Suburbanization

POL SCI M181B - U.S. Latino Politics

PSYCH 129C - Culture and Mental Health

PSYCH 133G - Culture and Human Development

SLAVC CM114 - Teaching and Learning of Heritage Languages

SOCIOL 116 - Social Demography

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 156 - Race and Ethnicity in American Life

URBN PL 141 - Planning with Minority Communities

Advanced Theory

Complete the following course:

I M STD 155 - Theory, Research, and Methods in Study of International Migration

Thesis

Complete following thesis tutorial culminating in a thesis:

I M STD 199 - Directed Individual Research in International Migration Studies

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade of C– or better. Successful completion of the minor is indicated on the transcript and diploma.

Labor Studies Overview

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Interdepartmental Program
College of Letters and Science

9244 Bunche Hall
Box 951478
Los Angeles, CA 90095-1478

Labor Studies
310-206-0812
Program e-mail

J. Christopher Zepeda-Millán, PhD, *Chair*

Labor studies is an interdisciplinary field of scholarship that encompasses historical and contemporary study of the sociocultural economic, legal policy, and political forces that shape the lives of working people, labor markets, employment practices, and social movements seeking greater economic equity for workers and their communities. Labor studies also embraces the insights of critical race, ethnic, working class, and gender studies in order to understand work and social movements as a multidimensional site of study. Labor studies students gain a strong background in social scientific analysis and applied research, and have many opportunities for civic engagement. The program is intended for students who wish to gain an in-depth understanding of the broad array of issues related to labor, work, and social movements. Students are strongly encouraged to meet with a faculty and student coordinator, to create a pathway to graduation and to create a curriculum guide that consists of either a coherent integration of courses according to a thematic or topical investigation or, alternatively, a comprehensive survey of the main issues involved in the study of labor and social change.

Career Prospects

Graduates with a bachelor’s degree in Labor Studies are prepared for careers in nonprofit advocacy, public service, and labor and social movements broadly defined. With ample opportunities to develop and apply a variety of research modalities through coursework, students are also prepared to succeed in graduate and professional school programs in a wide variety of fields.

Undergraduate Study

Labor Studies is interdisciplinary by its nature, drawing on a variety of fields for instructors and researchers. Labor Studies majors and minors become part of an existing interdisciplinary research community with strong ties to researchers and teachers in the social sciences and professional schools.

Labor Studies Faculty Committee

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Maylei S. Blackwell, PhD *(Chicana/o and Central American Studies, Gender Studies)*
Jennifer J. Chun, PhD *(Asian American Studies)*
Christopher L. Erickson, PhD *(Management)*
F. Tobias Higbie, PhD *(History)*
Jasmine D. Hill, PhD *(Public Policy, Sociology)*
Gaye T. Johnson, PhD *(African American Studies, Chicana/o and Central American Studies)*
Kelly A. Lytle Hernández, PhD *(African American Studies, History)*
Sarah T. Roberts, PhD *(Gender Studies, Information Studies)*
Abel Valenzuela, Jr., PhD *(Chicana/o and Central American Studies, Urban Planning)*
Noah D. Zatz, JD, MA *(Law)*
J. Christopher Zepeda-Millán, PhD *(Chicana/o and Central American Studies, Public Policy, Sociology)*

Major

Labor Studies BA

College / School
College of Letters and Science

Department
Labor Studies

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Labor Studies major offers an interdisciplinary approach to the study of inequality at work and in the community. The program prepares undergraduates for a wide range of careers including but not limited to labor relations; human resource management; human rights, labor and community organizing; business;

law; domestic and international government work; nonprofit management; organizational leadership; economic forecasting; education; social work; and social welfare. To be admitted to the Labor Studies major, students must have a minimum grade point average of 2.5 and must have completed all non-language Labor Studies preparation for the major courses. Students must complete an application process, and file a petition to be admitted for the major at the program office.

Capstone Major

The Labor Studies major is a designated capstone major. Undergraduate students fulfill a research-intensive capstone course or service learning experience in their senior year.

Learning Outcomes

1. Demonstrated familiarity and competence in a range of interdisciplinary methodologies and approaches
2. Demonstrated knowledge of the field of labor studies acquired through coursework
3. Demonstrated familiarity with dynamics of social movements through study and/or experience
4. Demonstrated ability to conceive and execute an original research project, either individually or in a research group
5. Demonstrated ability to communicate research findings to academic and nonacademic audiences

Entry to the Major

Admission

To be admitted to the Labor Studies major, students must have a minimum grade point average of 2.5 and must have completed all non-language Labor Studies preparation for the major courses. Students must complete an application process, and file a petition to be admitted for the major at the program office.

Transfer Students

Transfer applicants to the Labor Studies major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one interdisciplinary labor history or one social structure and contemporary conditions course related to labor and/or social movements.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Students may take Labor Studies 1 and two lower-division courses from the following list or Labor Studies M1A, M1B, M1CW.

Labor Studies 10 and Lower-Division Courses

LBR STD 10 - Introduction to Labor and Workplace Studies

LOWER-DIVISION COURSES

Select two lower-division courses from:

AF AMER 1 - Introduction to Black Studies

AF AMER M5 - Social Organization of Black Communities

ASIA AM 10 - History of Asian Americans

ASIA AM 20 - Contemporary Asian American Communities

ASIA AM 40 - Asian American Movement

ASIA AM 50 - Asian American Women

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

GENDER 10 - Introduction to Gender Studies

GEOG 4 - Globalization: Regional Development and World Economy

HIST 2B - Social Knowledge and Social Power

HIST 8B - Modern Latin America

HIST 12A - Inequality: History of Mass Imprisonment

HIST 12B - Inequality: History of Neoliberalism

HIST 12C - Inequality: Global History of Anti-Colonial Thought and Struggle

HNRS 82 - Community and Labor Development from Ground Up

POL SCI 60 - Ethics and Governance

PUB PLC 10A - Introduction to Policy Analysis

PUB PLC 10B - California Policy Issues

SOCIOL M5 - Social Organization of Black Communities

SOCIOL 51 - Sociology of Migration

SPAN 44 - Latin American Cultures

Labor Studies M1A, M1B, M1CW

LBR STD M1A - Work, Labor, and Social Justice in U.S.

LBR STD M1B - Work, Labor, and Social Justice in U.S.

LBR STD M1CW - Work, Labor, and Social Justice in U.S.: Special Topics

The Major

Complete 10 courses as follows:

LBR STD 101 - Introduction to Labor and Social Movements in Los Angeles

Electives

Complete a total of nine courses (36 units) selected from the following groups. At least four courses (16 units) must be from Labor Studies. The remaining five courses (20 units) may be selected from Labor Studies or the following additional electives.

LABOR STUDIES

LBR STD M114C - African American Political Thought

LBR STD M116 - Asian American Social Movements

LBR STD M117 - Negotiation

LBR STD M119XP - Asian American and Pacific Islander Labor Issues

LBR STD M121 - Issues in Latina/Latino Poverty: Mexican and Central American Voices from Los Angeles

LBR STD M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

LBR STD M123 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

LBR STD M125 - U.S./Mexico Relations

LBR STD 126 - Farm Worker Transnational Struggle

LBR STD M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

LBR STD M128 - Race, Gender, and U.S. Labor

LBR STD M134XP - Engaging Immigrants and Their Families

LBR STD M136 - Working Families and Educational Inequalities in Urban Schools

LBR STD 140 - Working It: Women, Work, and Family

LBR STD M144 - Women's Movement in Latin America

LBR STD M149 - Media: Gender, Race, Class, and Sexuality

LBR STD 152 - Work, Social Justice, and Arts

LBR STD M165 - Sociology of Race and Labor

LBR STD M166A - Immigrant Rights, Labor, and Higher Education

LBR STD M166B - Research on Immigration Rights, Labor, and Higher Education

LBR STD M166C - Research on Immigrant Students and Higher Education

LBR STD M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

LBR STD 168 - Law and Politics of Immigration: Migrants and Inevitable Evolution of Collective and Individual Rights

LBR STD M170 - Improving Worker Health: Social Movements, Policy Debates, and Public Health

LBR STD M171 - Labor and Economic Development

LBR STD M173 - Nonviolence and Social Movements

LBR STD 174 - Labor and Employment Law

LBR STD M175 - Agitational Communication

LBR STD M176 - Visual Communication and Social Advocacy

LBR STD 177 - Spirituality, Mindfulness, Self-Care, and Social Justice

LBR STD 179A - Neoliberalism, Social Justice, and Transformative Politics

LBR STD 179B - Doing Democracy: Politics of Resistance, Protest, and Social Movements

LBR STD M180 - Southern California Regional Economy

LBR STD 181 - Researching Labor and Labor Movements

LBR STD 182 - Oral History for Social Change

LBR STD 187 - Special Courses in Labor and Workplace Studies

LBR STD 188 - Special Courses in Labor and Workplace Studies

LBR STD 191A - Labor Studies: Research Principles, Methods, and Practices

LBR STD 194A - Research Group Seminars: Labor Summer Research Program

LBR STD 194B - Research Group Seminars: Labor and Workplace Studies

LBR STD 195A - Community or Corporate Internships in Labor and Workplace Studies

LBR STD 195B - Community or Corporate Internships in Labor and Workplace Studies

LBR STD 199 - Directed Research in Labor and Workplace Studies

ADDITIONAL ELECTIVES

AF AMER CM113XP - Narratives of Justice: Disrupting School-to-Prison Pipeline—Arts, Activism, and Agency

AF AMER M173 - Nonviolence and Social Movements

ASIA AM 113 - Asian Americans and Law

ASIA AM M116 - Asian American Social Movements

CCAS M125 - U.S./Mexico Relations

CCAS M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

CCAS M128 - Race, Gender, and U.S. Labor

CCAS M129 - Community-Engaged Research Methods

ECON 150 - Labor Economics

ECON 151 - Topics in Labor Economics

GENDER 102 - Power

GENDER M137E - Work Behavior of Women and Men

GENDER M163 - Gender and Work

HIST 141B - American Economic History, 1910 to Present

HIST 146A - American Working Class Movements

HIST M146B - American Working Class Movements

HIST 146C - Migrant Nation: How Mobility Shapes American Society, Politics, and Culture

HIST M150C - Introduction to Afro-American History

POL SCI 116A - Marxism

POL SCI M180A - African American Political Thought

SOCIOL 157 - Social Stratification

SOCIOL M163 - Gender and Work

SOCIOL 171 - Occupations and Professions

SOCIOL 173 - Economy and Society

Capstone Research and/or Community-Engaged/Internship Experience

During their senior year, students must complete 8 units of research-intensive capstone courses, community-engaged/internship experiences, or a combination of both, selected from the following courses, or an approved internship through the Center for Community Learning:

LBR STD 191A - Labor Studies: Research Principles, Methods, and Practices

LBR STD 194A - Research Group Seminars: Labor Summer Research Program

LBR STD 195A - Community or Corporate Internships in Labor and Workplace Studies

LBR STD 195B - Community or Corporate Internships in Labor and Workplace Studies

LBR STD 199 - Directed Research in Labor and Workplace Studies

Policies

Preparation for the Major Policies

Students may petition, prior to enrollment in the course, to apply other topical lower-division courses with substantial labor-related content.

The Major Policies

Students may petition, prior to enrollment in the course, to apply other topical upper-division courses with substantial labor-related content.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Minor

Labor Studies Minor

College / School
College of Letters and Science

Department
Labor Studies

Level
Undergraduate

Overview

The Labor Studies minor augments study in a traditional field. Students are required to complete both a departmental major and this minor. The faculty adviser certifies completion of the program.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing, have a 2.5 grade-point average or better, have completed 45 units, and file a petition and meet with the faculty adviser and minor coordinator in 9244 Bunche Hall, 310-206-0812. Students are encouraged to meet early with the academic adviser to declare the minor and design a coherent program of coursework.

Minor Requirements

The Minor

Complete seven courses as follows:

Core (4 units)

Complete the following course:

- LBR STD 101 - Introduction to Labor and Social Movements in Los Angeles

Required Elective Courses (24 units minimum)

Select six courses, with no more than two lower-division courses (8 units), from:

- AF AMER CM113XP - Narratives of Justice: Disrupting School-to-Prison Pipeline—Arts, Activism, and Agency
- AF AMER M173 - Nonviolence and Social Movements
- ASIA AM 113 - Asian Americans and Law
- ASIA AM M116 - Asian American Social Movements
- CCAS M125 - U.S./Mexico Relations
- CCAS M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy
- CCAS M128 - Race, Gender, and U.S. Labor
- CCAS M129 - Community-Engaged Research Methods
- ECON 150 - Labor Economics
- ECON 151 - Topics in Labor Economics

GENDER 102 - Power

GENDER M137E - Work Behavior of Women and Men

GENDER M163 - Gender and Work

HIST 141B - American Economic History, 1910 to Present

HIST 146A - American Working Class Movements

HIST M146B - American Working Class Movements

HIST 146C - Migrant Nation: How Mobility Shapes American Society, Politics, and Culture

HIST M150C - Introduction to Afro-American History

LBR STD M1A - Work, Labor, and Social Justice in U.S.

LBR STD M1B - Work, Labor, and Social Justice in U.S.

LBR STD M1CW - Work, Labor, and Social Justice in U.S.: Special Topics

LBR STD 10 - Introduction to Labor and Workplace Studies

LBR STD M114C - African American Political Thought

LBR STD M116 - Asian American Social Movements

LBR STD M117 - Negotiation

LBR STD M119XP - Asian American and Pacific Islander Labor Issues

LBR STD M121 - Issues in Latina/Latino Poverty: Mexican and Central American Voices from Los Angeles

LBR STD M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

LBR STD M123 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

LBR STD M125 - U.S./Mexico Relations

LBR STD 126 - Farm Worker Transnational Struggle

LBR STD M127 - Farmworker Movements, Social Justice, and United Farm Workers Legacy

LBR STD M128 - Race, Gender, and U.S. Labor

LBR STD M134XP - Engaging Immigrants and Their Families

LBR STD M136 - Working Families and Educational Inequalities in Urban Schools

LBR STD 140 - Working It: Women, Work, and Family

LBR STD M144 - Women's Movement in Latin America

LBR STD M149 - Media: Gender, Race, Class, and Sexuality

LBR STD 152 - Work, Social Justice, and Arts

LBR STD M165 - Sociology of Race and Labor

LBR STD M166A - Immigrant Rights, Labor, and Higher Education

LBR STD M166B - Research on Immigration Rights, Labor, and Higher Education

LBR STD M166C - Research on Immigrant Students and Higher Education

LBR STD M167 - Worker Center Movement: Next Wave Organizing for Justice for Immigrant Workers

LBR STD 168 - Law and Politics of Immigration: Migrants and Inevitable Evolution of Collective and Individual Rights

LBR STD M170 - Improving Worker Health: Social Movements, Policy Debates, and Public Health

LBR STD M171 - Labor and Economic Development

LBR STD M173 - Nonviolence and Social Movements

LBR STD 174 - Labor and Employment Law

LBR STD M175 - Agitational Communication

LBR STD M176 - Visual Communication and Social Advocacy

LBR STD 177 - Spirituality, Mindfulness, Self-Care, and Social Justice

LBR STD 179A - Neoliberalism, Social Justice, and Transformative Politics

LBR STD 179B - Doing Democracy: Politics of Resistance, Protest, and Social Movements

LBR STD M180 - Southern California Regional Economy

LBR STD 181 - Researching Labor and Labor Movements

LBR STD 182 - Oral History for Social Change

LBR STD 187 - Special Courses in Labor and Workplace Studies

LBR STD 188 - Special Courses in Labor and Workplace Studies

LBR STD 191A - Labor Studies: Research Principles, Methods, and Practices

LBR STD 194A - Research Group Seminars: Labor Summer Research Program

LBR STD 194B - Research Group Seminars: Labor and Workplace Studies

LBR STD 195A - Community or Corporate Internships in Labor and Workplace Studies

LBR STD 195B - Community or Corporate Internships in Labor and Workplace Studies

LBR STD 199 - Directed Research in Labor and Workplace Studies

POL SCI 116A - Marxism

POL SCI M180A - African American Political Thought

SOCIOL 157 - Social Stratification

SOCIOL M163 - Gender and Work

SOCIOL 171 - Occupations and Professions

SOCIOL 173 - Economy and Society

Policies

The Minor Policies

Students may petition, prior to enrollment in the course, to apply other topical courses with substantial labor-related studies content.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have a minimum grade of C (2.0) in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Latin American Studies Overview

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Interdepartmental Program
College of Letters and Science

10256 Bunche Hall
Box 951487
Los Angeles, CA 90095-1487

Latin American Studies
310-206-6571
Program e-mail

Rubén Hernández-León, PhD, ***Co-Chair***
Bonnie Taub, PhD, ***Co-Chair***

For more than 60 years, UCLA has been a leader among U.S. universities in teaching and research on Latin America. The Master of Arts (MA) program in Latin American Studies offers graduate students the unique opportunity to pursue interdisciplinary research. Students design their own programs by choosing courses from various fields of study that focus on Latin America. Students can work with leaders in their chosen fields of study. The program features numerous affiliated faculty from multiple departments in the humanities, social sciences, fine arts, and several professional schools.

Undergraduate Study

Information on the undergraduate program in this discipline, which offers a major and a minor in Latin American Studies, can be found in the **International and Area Studies** section.

Latin American Studies Faculty Committee

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Patricia Arroyo Calderón, PhD *(Spanish and Portuguese)*
Stephen A. Bell, PhD *(Geography, History)*
Adriana J. Bergero, PhD *(Spanish and Portuguese)*
Verónica Cortínez, PhD *(Spanish and Portuguese)*
Robin L.H. Derby, PhD *(History)*
David E. Hayes-Bautista, PhD *(Health Policy and Management, Medicine-General Internal)*
Susanna B. Hecht, PhD *(Environment and Sustainability, Geography, Urban Planning)*
Rubén Hernández-León, PhD *(Sociology)*
Efraín Kristal, PhD *(Comparative Literature, Spanish and Portuguese)*
Patricia S. Lino, PhD *(Spanish and Portuguese)*
Elizabeth A. Marchant, PhD *(Comparative Literature, Gender Studies)*
Cecilia Menjívar, PhD *(Sociology)*
José Luiz Passos, PhD *(Spanish and Portuguese)*
Fernando Pérez-Montesinos, PhD *(History)*
William R. Summerhill, PhD *(History)*
Bonnie Taub, PhD *(Anthropology, Community Health Sciences)*
Kevin B. Terraciano, PhD *(History)*
Maarten H. Van Delden, PhD *(Spanish and Portuguese)*

Major

Latin American Studies MA

College / School
College of Letters and Science

Department
Latin American Studies

Degree Level
Graduate

Degree Objective
Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

- 0249 - Master of Education
- 0509 - Master of Library and Information Science
- 0789 - Master of Public Health

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Articulated Degree Programs

- 008J - Master of Business Administration
- 0916 - Master of Urban and Regional Planning

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Law Overview

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School of Law

1242 Law Building
Admissions, 71 Dodd Hall
Box 951476
Los Angeles, CA 90095-1476

Law
310-825-4841
Admissions e-mail

Michael E. Waterstone, JD, *Dean*

The UCLA School of Law is designed to produce lawyers who are well-prepared for the various private and public roles that are assigned to members of the legal profession. The school pioneered clinical teaching, is a leader in interdisciplinary research and training, and is at the forefront of efforts to link research to its effects on society and the legal profession. Students do not undertake a specific major but have the opportunity to enroll in a wide variety of courses dealing with various legal fields.

The law school is unique in that it also offers students an opportunity to specialize in six specific areas of law: business law and policy; critical race studies; international and comparative law; law and philosophy; media, entertainment, and technology law and policy; and public interest law and policy.

Graduate Study

The school offers a three-year curriculum leading to the Juris Doctor (JD) degree and three advanced degrees—Master of Laws (LLM), Master of Legal Studies (MLS), and Doctor of Juridical Science (SJD).

Courses

The undergraduate courses offered by the School of Law are designed for undergraduate students only. For information about the legal curriculum of the School of Law, see the **school website**.

Law Faculty Roster

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Professors

Khaled M. Abou El Fadl, JD, MA, PhD *(Omar and Azmeralda Alfi Endowed Professor of Islamic Law)*
E. Tendayi Achiume, JD *(Alicia Miñana Professor of Law)*
Iman Anabtawi, JD, MA
Stephen M. Bainbridge, JD, MS *(William D. Warren Professor of Law)*
LaToya J. Baldwin Clark, JD, MA, PhD, *Acting*
Steven A. Bank, JD *(Paul Hastings Endowed Professor of Business Law)*
Stuart A. Banner, JD *(Norman Abrams Endowed Professor of Law)*
Mario Biagioli, MFA, MA, PhD
William C. Boyd, JD, MA, PhD *(Michael J. Klein Professor of Law)*
Taimie L. Bryant, JD, MA, PhD
Daniel J. Bussel, JD
Devon W. Carbado, JD *(Honorable Harry Pregerson Endowed Professor of Law)*
Ann E. Carlson, JD *(Shirley Shapiro Professor of Environmental Law)*
Kimberly A. Clausing, MA, PhD *(Eric M. Zolt Professor of Tax Law and Policy)*
Beth A. Colgan, JD
Kimberle W. Crenshaw, JD, LLM *(Promise Institute Professor of Human Rights)*
Scott L. Cummings, JD *(Robert Henigson Endowed Professor of Legal Ethics)*
Joshua F. Dienstag, MA, PhD *(Shapiro Family Endowed Professor of Modern Political Theory)*
Sharon Dolovich, JD, PhD
Ingrid V. Eagly, JD
Blake E.B. Emerson, JD, MA, MPhil, PhD
Joseph R. Fishkin, JD, MPhil, DPhil
Cary C. Franklin, JD, MSt, DPhil *(McDonald/Wright Professor of Law)*
Stephen A. Gardbaum, JD, CPE, MSc, PhD *(Stephen Yeazell Endowed Professor of Law)*

Laura E. Gómez, JD, MA, PhD *(Rachel F. Moran Endowed Professor of Law)*

Mark D. Greenberg, JD, DPhil *(Michael H. Schill Endowed Professor of Law)*

Ariela J. Gross, JD, MA, PhD

Cheryl I. Harris, JD *(Rosalinde and Arthur Gilbert Foundation Endowed Professor of Civil Rights and Civil Liberties)*

Richard L. Hasen, JD, MA, PhD

Barbara Herman, MA, PhD *(Gloria and Paul Griffin Professor of Philosophy)*

Jill R. Horwitz, JD, MA, PhD *(David Sanders Professor of Law and Medicine)*

Jerry Kang, JD

Sung Hui Kim, JD, MA

Russell Korobkin, JD *(Richard C. Maxwell Professor of Law)*

Máximo Langer, LLB, SJD *(David G. Price and Dallas P. Price Professor of Law)*

Douglas G. Lichtman, JD

Timothy F. Malloy, JD *(Frank G. Wells Endowed Professor of Environmental Law)*

David W. Marcus, JD

Mark P. McKenna, JD

Jon D. Michaels, JD, MA

Hiroshi Motomura, JD *(Susan Westerberg Prager Endowed Professor of Law)*

Neil W. Netanel, JD, JSD *(Pete Kameron Endowed Professor of Law)*

Mary D. Nichols, JD, *in Residence*

Jason S. Oh, JD *(Lowell Milken Professor of Law)*

James J. Park, JD

Teresa K-Sue Park, JD, MPhil, PhD

Edward A. Parson, MSc, PhD *(Dan and Rae Emmett Endowed Professor of Environmental Law)*

Laura G. Pedraza Fariña, JD, PhD

Mark A. Peterson, AM, PhD

Kal Raustiala, JD, PhD *(Promise Institute Professor of Comparative and International Law)*

Angela R. Riley, JD

James E. Salzman, JD, MSc

Richard H. Sander, JD, MA, PhD *(Jesse Dukeminier Professor of Law)*

Joanna C. Schwartz, JD

Seana Shiffrin, JD, DPhil *(Pete Kameron Professor of Law and Social Justice)*

Anna K. Spain Bradley, JD

Clyde S. Spillenger, JD, MA, MPhil

Kirk J. Stark, JD *(Barrall Family Endowed Professor of Tax Law)*

Richard H. Steinberg, JD, PhD *(Jonathan D. Varat Endowed Professor of Law)*

Rebecca Stone, JD, MPhil, DPhil

Alexander Stremitzer, JD, MIM, PhD

Sherod Thaxton, JD, MA, PhDAndrew Verstein, JD

John D. Villasenor, MS, PhD

Eugene Volokh, JD *(Gary T. Schwartz Endowed Professor of Law)*

Alex L. Wang, JD

Lindsay F. Wiley, JD, MPH

Adam D. Winkler, JD, MA *(Connell Professor of Law)*
Jonathan M. Zasloff, JD, MA, MPhil, PhD
Noah D. Zatz, JD, MA

Professors Emeriti

Richard L. Abel, PhD, LLB, LLD *(Connell Professor Emeritus of Law)*
Norman Abrams, JD
Alison G. Anderson, JD
Peter L. Arenella, JD
Michael R. Asimow, JD
Paul B. Bergman, JD
Gary L. Blasi, MA
Grace Ganz Blumberg, JD, LLM
Susan Fletcher French, JD
Carole E. Goldberg, JD *(Jonathan D. Varat Endowed Professor Emerita of Law)*
Robert D. Goldstein, JD, MEd
Mark F. Grady, JD
Kenneth W. Graham, Jr., JD
Kenneth N. Klee, JD
William A. Klein, LLB *(Richard C. Maxwell Professor Emeritus of Law)*
Christine A. Littleton, JD
Gerald P. López, JD
Lynn M. LoPucki, JD, LLM *(Security Pacific Bank Professor Emeritus)*
Daniel H. Lowenstein, LLB
Henry W. McGee, Jr., JD, LLM
Albert J. Moore, JD
Stephen R. Munzer, JD
Grant S. Nelson, JD
Frances E. Olsen, JD, SJD
Susan Westerberg Prager, JD, MA *(Arjay and Frances Fearing Miller Professor Emerita of Law)*
Katherine V.W. Stone, JD *(Arjay and Frances Fearing Miller Professor Emerita of Law)*
Samuel C. Thompson, JD, MA, LLM
Jonathan D. Varat, JD
Stephen C. Yeazell, JD, MA *(David G. Price and Dallas P. Price Professor Emeritus of Law)*
Eric M. Zolt, JD, MBA *(Michael H. Schill Endowed Professor Emeritus of Law)*

Acting Professors

Fanna Gamal, JD
Leslie N. Johns, MA, MS, PhD

Aaron M. Littman, JD, MPhil
Sunita Patel, JD
Fernán Restrepo, JSD, LLB, MSc, LLM, PhD
Andrew D. Selbst, JD, MEng
Xiyin Tang, JD
Lauren V. van Schilfgaarde, JD

Senior Lecturer

Patrick D. Goodman, JD, MEd

Lecturers

Elizabeth A. Bawden, JD
George S. Cardona, JD
Eugene K. Chong, JD, MS
Steven K. Derian, JD, MA
Robert C. Feldman, JD
Alan J. Heinrich, JD, PhD
Deirdre P. Lanning, JD
Jason A. Light, JD
Kerry A. Lyon-Grossman, JD
Vicki E. Marmorstein, JD, LLM
Victor H. Narro, JD
Peter L. Reich, JD, PhD
Neil J. Wertlieb, JD
Sarah R. Wetzstein, JD
Pavel Wonsowicz, JD

Adjunct Professors

Ahilan T. Arulanantham, JD
Eileen A. Scallen, JD, MA
Robert Bradley Sears, JD

Adjunct Associate Professor

Michael T. Roberts, JD, LLM

Adjunct Assistant Professors

John W. Crittenden, JD
Melodi H. Dinçer, JD
Shiva Falsafi, JD, LLM
Joel A. Feuer, JD, MA
Meredith Hankins, JD
Ruth Lazenby, JD
Laurie L. Levenson, JD
David Nimmer, JD
Lawrence G. Sager, LLB
Anthony J. Tolbert, JD
Kenneth Ziffren, JD

Academic Administrators

Joseph P. Berra, JD, MA, MDiv
Dale Cohen, JD
Jason Fiske, JD, LLM, MEd
Jason A. Gray, JD
Cara A. Horowitz, JD
Talia R. Inlender, JD
Michael Karanicolas, JD, LLM
Sarah A. Karlsson, JD
Jasleen Kohli, JD
Cindy X. Lin, JD, MS
Mica R.G. Llerandi, JD
Rose Chan Loui, JD
Kate Mackintosh, LLM
Daniel M. Mayeda, JD
S. Priya Morley, LLB, LLM
Jeanne Nishimoto, JD
Benjamin Nyblade, PhD
Tracey G. Parr, JD
Jessica S. Peake, LLB, LLM
Nina Rabin, JD
Anne M. Sidwell, JD
Julia E. Stein, JD
Lara Stemple, JD
Catherine Sweetser, JD, LLM
Alicia Virani, JD, MA

Karin H. Wang, JD
Diana R.H. Winters, JD, MA, PhD

Major

Doctor of Juridical Science

College / School
School of Law

Department
Law

Degree Level

Graduate

Degree Objective

Doctor of Juridical Science

Overview

Information about the program, how to apply, and requirements is available on the school website.

Major

Juris Doctor

College / School
School of Law

Department
Law

Degree Level

Graduate

Degree Objective

Juris Doctor

Overview

Information about the program, how to apply, and requirements is available on the school website.

Concurrent Degree Programs

- 008V - African American Studies MA
- 0030 - American Indian Studies MA
- 0659 - Doctor of Education
- 0249 - Education MA, PhD
- 008J - Master of Business Administration
- 0249 - Master of Education
- 0789 - Master of Public Health
- 0790 - Master of Public Policy
- 0864 - Master of Social Welfare
- 0916 - Master of Urban and Regional Planning
- 0651 - Philosophy MA, CPhil, PhD

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Major

Master of Laws

College / School
School of Law

Department
Law

Degree Level

Graduate

Degree Objective

Master of Laws

Overview

Information about the program, how to apply, and requirements is available on the school website.

Major

Master of Legal Studies

College / School
School of Law

Department
Law

Degree Level

Graduate

Degree Objective

Master of Legal Studies

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Articulated Degree Programs

0558 - Doctor of Medicine

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Lesbian, Gay, Bisexual, Transgender, and Queer Studies Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
College of Letters and Science

361 Kaplan Hall
Box 957233
Los Angeles, CA 90095-7233

Lesbian, Gay, Bisexual, Transgender, and Queer Studies
310-825-7650

Joshua J. Guzmán, PhD, ***Chair***

Although the initial focus in lesbian, gay, bisexual, transgender, and queer studies is usually on minority sexualities and transgenderism, it is impossible to study them in any meaningful way without raising questions about gender, race, ethnicity, economics/class, globalism, and the construction of scientific knowledge. Thus lesbian, gay, bisexual, transgender, and queer studies, which may at first seem to concern the private practices of a small number of people, inevitably leads to the much larger study of sexuality and culture. The Lesbian, Gay, Bisexual, Transgender, and Queer Studies program represents an important vantage point from which to investigate the social construction of sexual identity, social control of behavior, changing definitions of the family, and the place of sexual and gender expression in the public and private spheres. Because of the kinds of questions asked, lesbian, gay, bisexual, transgender, and queer studies is the site of some of the most exciting work being done today on the relationship between sexuality and culture.

Lesbian, Gay, Bisexual, Transgender, and Queer Studies Faculty Committee

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Anurima Banerji, PhD *(World Arts and Cultures/Dance)*
Maylei S. Blackwell, PhD *(Chicana/o and Central American Studies, Gender Studies)*
Cesar D. Favila, PhD *(Musicology)*
Michael F. Fleming, PhD *(Social Welfare)*
Alicia Gaspar de Alba, PhD *(Chicana/o and Central American Studies, English, Gender Studies)*
Joshua J. Guzmán, PhD *(Gender Studies)*
Ju Hui Judy Han, PhD *(Gender Studies)*
Ella H. Haselswerdt, PhD *(Classics)*
Grace Kyungwon Hong, PhD *(Asian American Studies, Gender Studies)*
Michael A. Hunter, PhD *(Urban Planning)*
Summer Kim Lee, PhD *(English)*
Alma Lopez Gaspar de Alba, PhD *(Chicana/o and Central American Studies)*
Uri G. McMillan, PhD *(English, Gender Studies)*
Sean A. Metzger, PhD *(Theater)*
Ilan H. Meyer, PhD *(Community Health Sciences)*
Ho'esta Mo'e'hahne, PhD *(English)*
Sherene H. Razack, PhD *(Gender Studies)*
Carlos E. Santos, PhD *(Social Welfare)*
Justin J. Torres, MFA *(English)*

Minor

Lesbian, Gay, Bisexual, Transgender, and Queer Studies Minor

College / School

College of Letters and Science

Department

Lesbian, Gay, Bisexual, Transgender, and Queer Studies

Level

Undergraduate

Overview

The minor in Lesbian, Gay, Bisexual, Transgender, and Queer Studies offers students the opportunity to study sexuality from a variety of cultural and disciplinary perspectives meant to engage students in some of the most cutting-edge research in lesbian, gay, bisexual, transgender, and queer studies. In addition, seniors in the minor are expected to do a capstone internship in an international, national, or community organization, thereby acquiring invaluable firsthand knowledge, experience, and data. After completing the

minor, students should be familiar with the theoretical tools that different disciplines employ to study sexuality. They should be acquainted with some of the many different ways sexuality has been organized in the past and is organized in different cultures in the present and should have an enhanced understanding and appreciation both of the sexual diversity of the world in which they live and of the complex ways in which sexuality intersects with other categories of identity and practice.

Entry to the Minor

Admission

To enter the Lesbian, Gay, Bisexual, Transgender, and Queer Studies minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Complete seven upper-division courses (28 units) as follows:

LGBTQS M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

LGBTQS 180XP - Lesbian, Gay, Bisexual, and Transgender Institutions and Organizations

Electives

Select five courses from the following, including at least one Lesbian, Gay, Bisexual, Transgender, and Queer Studies 181 and 183 course:

ANTHRO 145S - Culture, Gender, Sexuality

ASIA AM 187C - Special Courses in Asian American Populations and Communities

CCAS M105C - Chicana/Chicano Literature since el Movimiento, 1970s to Present

EDUC 106B - Lesbian, Gay, Bisexual, and Transgender Issues in Education and Law

GENDER 187 - Senior Research Seminar: Gender Studies

LGBTQS M101A - Premodern Queer Literatures and Cultures

LGBTQS M101B - Queer Literatures and Cultures, 1850 to 1970

LGBTQS M101C - Queer Literatures and Cultures after 1970

LGBTQS M101D - Studies in Queer Literatures and Cultures

LGBTQS M107B - Studies in Gender and Sexuality

LGBTQS M115 - Topics in Study of Sexual and Gender Orientation

LGBTQS M116 - Sexuality and City: Queer Los Angeles

LGBTQS M118 - Queering American History

LGBTQS M125 - Exploring Intersections of Ability and Sexuality

LGBTQS M126 - Feminist and Queer Theory

LGBTQS M132 - Border Consciousness

LGBTQS M133 - Chicana Lesbian Literature

LGBTQS M136 - Censored! Art on Trial

LGBTQS M137 - Lesbian, Gay, Bisexual, Transgender, and Queer Perspectives in Pop Music

LGBTQS M141 - African American Women's History

LGBTQS M142 - Race, Gender, and Punishment

LGBTQS 165SL - Queer Activism and Engagement

LGBTQS 170 - Queer Cultures after Stonewall: Sexual Dissidence, Performance, and Community in 1970s

LGBTQS 181 - Variable Topics in Queer Diversities

LGBTQS 182 - Variable Topics in Education, Law, and Public Policy

LGBTQS 183 - Variable Topics in Queer Subjectivities/Theories/History

LGBTQS 184 - Variable Topics in Science, Health, and Genetics

LGBTQS 187 - Selected Topics in Lesbian, Gay, Bisexual, and Transgender Studies

LGBTQS M191D - Topics in Queer Literatures and Cultures

LGBTQS M191E - Topics in Gender and Sexuality

PSYCH 129E - Human Sexuality

SCAND 174B - Queer Scandinavia

SOCIOL M162 - Sociology of Gender

THEATER 107 - Drama of Diversity

Policies

The Minor Policies

Students may petition to apply one non-listed course to the minor if they can show that lesbian, gay, bisexual, transgender, or queer issues represent a significant part (at least 25 percent) of the course content. Students are strongly urged to keep in close contact with the student services adviser, who can help them plan their course of study.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Letters and Science Collegewide Programs Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

A311 Murphy Hall
Box 951414
Los Angeles, CA 90095-1414

Honors Programs
310-825-1553

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship; and are thoroughly examined for cogency, completeness, and academic merit.

Major

Individual Field of Concentration BA in Letters and Science

College / School

College of Letters and Science

Department

Letters and Science Collegewide Programs

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship and are thoroughly examined for cogency, completeness, and academic merit.

Capstone Major

Learning Outcomes

1. Design of a course of study that shows a deep understanding of how the disparate disciplines are connected
2. Demonstrated understanding of how the research and creative methodologies of different disciplines can interface with and illuminate the understanding of another
3. Demonstrated ability to read in the scholarly discourse and style of different disciplines
4. Development of a voice in written thesis for an interdisciplinary audience
5. Written thesis that demonstrates mastery of diverse fields as a result of research sources and production of scholarly work outside of traditionally defined academic boundaries

Major

Individual Field of Concentration BS in Letters and Science

College / School

College of Letters and Science

Department

Letters and Science Collegewide Programs

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship and are thoroughly examined for cogency, completeness, and academic merit.

Capstone Major

Learning Outcomes

1. Design of a course of study that shows a deep understanding of how the disparate disciplines are connected
2. Demonstrated understanding of how the research and creative methodologies of different disciplines can interface with and illuminate the understanding of another
3. Demonstrated ability to read in the scholarly discourse and style of different disciplines
4. Development of a voice in written thesis for an interdisciplinary audience
5. Written thesis that demonstrates mastery of diverse fields as a result of research sources and production of scholarly work outside of traditionally defined academic boundaries

Life Sciences Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

2305 Life Sciences Building
Box 957246
Los Angeles, CA 90095

Life Sciences
310-825-6614

Beth A. Lazazzera, PhD, ***Director***

Students who wish to study life sciences have a choice of eight majors, all of which lead to a Bachelor of Science (BS) degree: Biology; Ecology, Behavior, and Evolution; and Marine Biology (Ecology and Evolutionary Biology Department); Human Biology and Society (Institute for Society and Genetics); Microbiology, Immunology, and Molecular Genetics (Microbiology, Immunology, and Molecular Genetics Department); Molecular, Cell, and Developmental Biology (Molecular, Cell, and Developmental Biology Department); Neuroscience (Neuroscience Interdepartmental Program); Physiological Science (Integrative Biology and Physiology Department); and Psychobiology (Psychology Department). This choice reflects the diversity of undergraduate instruction in life sciences at UCLA. Despite this diversity, all of these majors require a common core of introductory courses that forms the foundation for any study of life sciences and that is required for more advanced courses in each major. The common core includes courses in chemistry, physics, and mathematics, as well as introductory courses in evolution and biodiversity, cellular and organismal biology, molecular biology, and genetics. During the first two years, students may also gain experience in a research laboratory through the **Student Research Program**. For more information on each major, see the individual departments in this chapter. For additional information on the Life Sciences core curriculum, see the **curriculum website**.

Students considering one of the life sciences majors are encouraged to declare a major as early as possible, even in their first year. In this way, they are identified by the life sciences advising offices and

receive important curricular and other information. Because the core curriculum prepares them for any of the eight majors, they have the flexibility to switch to another life sciences major at any time during their progression through the core curriculum. Note: The Marine Biology and Psychobiology majors may require some courses in addition to the life sciences core curriculum as part of the preparation. Consult the course requirements for both majors.

Undergraduate Study

Life Sciences Core Curriculum

Required: Chemistry and Biochemistry 14A, 14B, 14BL, 14C, and 14D, or 20A, 20B, 20L, 30A, 30AL, and 30B; Life Sciences 7A, 7B, 7C, 7L, 107; Life Sciences 30A, 30B, and 40 or Statistics 13, or Mathematics 3A, 3B, and 3C, or 31A, 31B, and 32A; Physics 1A, 1B, 1C, 4AL, and 4BL, or 5A, 5B, and 5C.

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade of D or F in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

Transfer Students

Transfer applicants with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the **UCLA transfer admission guide** for up-to-date information regarding transfer selection for admission.

Life Sciences Faculty

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Faculty Committee

Patrick Allard, PhD *(Society and Genetics)*
Paul H. Barber, PhD *(Ecology and Evolutionary Biology, Environment and Sustainability)*
Eric J. Deeds, PhD *(Integrative Biology and Physiology)*
Andrew Goldstein, PhD *(Molecular, Cell, and Developmental Biology)*
Barbara Knowlton, PhD *(Psychology)*
Beth A. Lazazzera, PhD *(Microbiology, Immunology, and Molecular Genetics)*
Matteo Pellegrini, PhD *(Human Genetics; Molecular, Cell, and Developmental Biology)*
Patricia E. Phelps, PhD *(Integrative Biology and Physiology)*
April D. Pyle, PhD *(Microbiology, Immunology, and Molecular Genetics)*
Kate M. Wassum, PhD *(Psychology)*

Faculty Roster

Lecturer

Hung D. Pham, PhD

Adjunct Assistant Professor

Benjamin W. Knowles, PhD

Academic Administrators

Rana R. Khankan, PhD

Gaston M.U. Pfluegl, PhD

John P. Phelan, PhD

Debra B. Pires, PhD

Yevgenya Shevtsov, PhD

Linguistics Overview

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College of Letters and Science

3125 Campbell Hall
Box 951543
Los Angeles, CA 90095-1543

Linguistics
310-825-0634
Department e-mail

Megha Sundara, PhD, *Chair*

The goal of the Department of Linguistics is the enrichment of knowledge about the nature, grammar, and history of human language. Linguistics is a theoretical discipline, akin to philosophy, anthropology, and cognitive psychology. It is important for prospective students to understand that studying linguistics is not a matter of learning to speak many languages. Linguistics courses draw examples from the grammars of a wide variety of languages, and the more languages linguists know about in depth (as distinct from possessing fluency in the use of them), the more likely they are to discover universal properties. It is also possible to pursue these universal aspects of human language through the intensive in-depth study of a single language. This accounts for the high proportion of examples from English and familiar European languages found in linguistics courses and research publications.

The core areas of linguistic theory are phonetics, phonology, morphology, syntax, and semantics. A grammar is a system of rules that characterize the phonetics, phonology, morphology, syntax, and semantics of a natural language. The properties of grammars are the central focus of linguistic theory.

Because language is central to all humanistic disciplines, as well as to several social sciences areas, it is studied from many points of view. Linguistics itself cannot be said to recognize a single optimal approach to the subject. Hence, the courses provide a variety of approaches that reflect the diversity of the field.

The Linguistics Department has consistently been ranked among the very best linguistics departments in the country. It offers programs leading to the Bachelor of Arts (BA), Master of Arts (MA), and Doctor of Philosophy (PhD) degrees.

Undergraduate Study

The undergraduate majors are of three types: (1) a major that concentrates entirely on general linguistics, (2) several majors that combine the basic courses of the general program with a language concentration or other related fields, and (3) a major in Applied Linguistics.

Graduate Study

The department offers MA and PhD degree programs in Linguistics, and its faculty participate in the programs for **American Indian Studies**, **Computer Science**, **International Institute**, **Philosophy**, **Psychology,** and **Spanish and Portuguese**. Both the faculty and graduate program are internationally acclaimed, and attract some of the best and brightest graduate students from this country and abroad, with a current graduate student population of 45 students from 10 countries.

The goal of the department's graduate program is to train students as university teachers and as academic and non-academic researchers in the major areas of linguistics.

Theoretical Orientation

The Linguistics Department has a strong theoretical orientation committed to research in formal linguistic theory, addressing questions in the fields of phonetics, phonology, morphology, syntax, and semantics, and at the interfaces of these fields with the fields of psycholinguistics, computational linguistics, mathematical linguistics, historical linguistics, and the linguistic study of particular language areas (especially African languages and indigenous languages of the Americas).

Field Work

Linguistics as an empirical science uses cross-linguistic evidence to develop and test theories of human language. In keeping with this goal, the program is committed to training graduate students to analyze primary data in the Field Methods sequence, in which the students work with a language consultant to investigate a little-studied language.

Substantial opportunities to develop fieldwork skills and to test theoretical ideas against novel data are provided, along with department funding for language consultants. Several of the faculty have long experience in fieldwork and provide practical guidance to students embarking on their own field study. Los Angeles is probably the most linguistically diverse city in the U.S., thus providing a living laboratory for fieldwork research.

Subject Areas

Linguistics courses are in the following subject areas:

- **American Sign Language**
- **Linguistics**
- **Swahili**

Linguistics Faculty Roster

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Professors

David M. Goldstein, PhD
Sun-Ah Jun, PhD
Jody E. Kreiman, PhD, *in Residence*
Anoop K. Mahajan, PhD
Jessica L. Rett, PhD
Yael Sharvit, PhD
Megha Sundara, PhD
W. Harold Torrence, PhD
Kie Ross Zuraw, PhD

Professors Emeriti

Susan R. Curtiss, PhD
Bruce P. Hayes, PhD *(Theresa McShane Biggs and Henry P. Biggs Centennial Term Professor Emeritus of Linguistics)*
Thomas J. Hinnebusch, PhD
Nina M. Hyams, PhD
Patricia A. Keating, PhD
Edward L. Keenan, PhD
Hilda J. Koopman, PhD
H. Craig Melchert, PhD *(A. Richard Diebold, Jr., Endowed Professor Emeritus of Indo-European Studies)*
Pamela L. Munro, PhD
Dominique L. Sportiche, PhD

Edward P. Stabler, PhD
Timothy A. Stowell, PhD

Associate Professors

Dylan T. Bumford, PhD
Jesse A. Harris, PhD
Timothy Hunter, PhD
Stefan Keine, PhD
Ji Young Kim, PhD

Assistant Professors

Idan A. Blank, PhD
Margaret Cychosz, PhD
Benjamin J. Eischens, PhD
Victoria E. Mateu, PhD
Claire E. Moore-Cantwell, PhD
Laurel L. Perkins, PhD
Ethan J. Poole, PhD
Michelle Yuan, PhD

Lecturer

Sephrine A. Achesah, MA
Daria Bahtina, PhD
Elise A. Bell, PhD
Benjamin J. Lewis, MA
Nicoletta Loccioni, PhD
Giuseppina Silvestri, PhD

Assistant Adjunct Professor

Samuel Zukoff, PhD

Major

Applied Linguistics BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Applied Linguistics major investigates linguistic issues relevant to the everyday world, shedding light on the nature of language and language use. Students will learn linguistic theory, the study of the structure of human language generally. With its focus on service learning, students will also learn linguistic practice,

engaging in the community, schools, and work places of our geographic setting. Successful graduates will be well acquainted with language use from a variety of perspectives and experiences, and will be able to apply this knowledge to a wide variety of practices including language teaching, speech pathology, and translation and interpretation.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Applied Linguistics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of one foreign language or one year of two different foreign languages, one introduction to linguistics course, one introduction to psychology course, and one introduction to linguistic anthropology course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses and a foreign language requirement as follows:

LING 20 - Introduction to Linguistic Analysis

Anthropology 4 or Psychology 10

Select one course from:

ANTHRO 4 - Culture and Communication

PSYCH 10 - Introductory Psychology

Foreign Language

Complete the equivalent to the sixth level of one foreign language or the equivalent to the third level of two different foreign languages.

The Major

Complete 10 upper-division courses as follows:

Required Linguistics Courses

Complete four courses as follows:

LINGUISTICS 102 OR 103

Select one course from:

LING 102 - Introduction to Applied Phonetics

LING 103 - Introduction to General Phonetics

LINGUISTICS 119A OR 120A

Select one course from:

LING 119A - Applied Phonology

LING 120A - Phonology I

LINGUISTICS 120B

Complete the following course:

LING 120B - Syntax I

LINGUISTICS 130 OR C140

Select one course from:

LING 130 - Language Development

LING C140 - Bilingualism and Second Language Acquisition

Additional Linguistic Courses

Select three courses from:

LING C104 - Experimental Phonetics

LING 115 - Linguistics and Speech Pathology

LING 120C - Semantics I

LING 130 - Language Development

LING C140 - Bilingualism and Second Language Acquisition

LING M141 - Current Methods of Language Teaching

LING 144 - Fundamentals of Translation and Interpreting

LING M146 - Language in Culture

LING 170 - Language and Society: Introduction to Sociolinguistics

Upper-Division Linguistics Electives

Complete two upper-division elective courses taught in the Linguistics Department (minimum 4 graded units each).

Additional Elective

Select one course from the following list or a linguistics-related course (minimum 4 graded units) offered by another department in consultation with the Linguistics Department undergraduate student affairs officer:

ANTHRO 151 - Ethnography of Everyday Speech

ANTHRO M152P - Language Development and Socialization

ANTHRO 152Q - Language and Social Organization through Life Cycle

ANTHRO 152R - Language, Culture, and Education

ANTHRO 153 - Language and Identity

ANTHRO 154P - Multilingualism: Communities and Histories in Contact

ANTHRO 154Q - Gender and Language in Society

ANTHRO M156 - Language Endangerment and Linguistic Revitalization

ANTHRO 159 - Selected Topics in Linguistic Anthropology

ARABIC 180 - Linguistics Analysis of Arabic

ARABIC 181 - Translating Arabic

ARMENIA 110 - History of Armenian Language

CCAS 164XP - Oral History: Latino New Immigrant Youth

CCAS M167XP - Taking It to Street: Spanish in Community

CCAS M170XP - Topics in Community Engagement

COMM 119 - Voice and Its Perception

COMM M125 - Talk and Social Institutions

COMM M144A - Conversational Structures I

FRNCH 105 - Structure of French

GERMAN 140 - Language and Linguistics

HEBREW 180A - Survey of Hebrew Grammar

HEBREW 180B - Survey of Hebrew Grammar

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

LING M116 - Introduction to Japanese Linguistics

LING M146 - Language in Culture

LING M176A - Japanese Phonology and Morphology

LING M176B - Structure of Japanese

LING M177 - Structure of Korean

LING M178 - Contrastive Analysis of Japanese and Korean

PORTGSE 100A - Phonology and Morphology

PORTGSE 100B - Syntax

SLAVC CM114 - Teaching and Learning of Heritage Languages

SPAN 100A - Introduction to Study of Spanish Grammar: Phonology and Morphology

SPAN 100B - Introduction to Study of Spanish Grammar: Syntax

SPAN 160 - Topics in Spanish Linguistics

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two course:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Additional Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

No more than one course from 197, 198A, 198B, and 199 may be applied toward the major.

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics and Anthropology BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Linguistics and Anthropology major combines the basic courses of the general linguistics program with that of anthropology, the study of humankind. Students will learn linguistic theory, the study of the structure of human language generally. They will also learn the many ways in which language affects

human history, social identity, social interaction, and politics. Successful graduates will be well acquainted with linguistic structure, language diversity, and language typology, as well as the anthropological and social consequences of the nature of human language.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and linguistic anthropology, and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and Anthropology major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to linguistics course and two years of one foreign language or one year of two different foreign languages. One cultural and communication course is strongly recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses and a foreign language requirement as follows:

ANTHRO 4 - Culture and Communication

LING 20 - Introduction to Linguistic Analysis

Foreign Language

Complete the equivalent to the sixth level of one foreign language or the equivalent to the third level of two different foreign languages.

The Major

Complete 11 upper-division courses as follows:

Required Linguistics Courses

Complete five course as follows:

LINGUISTICS 102 OR 103

Select one course from:

LING 102 - Introduction to Applied Phonetics

LING 103 - Introduction to General Phonetics

LINGUISTICS 110

LING 110 - Introduction to Historical Linguistics

LINGUISTICS 119A OR 120A

Select one course from:

LING 119A - Applied Phonology

LING 120A - Phonology I

LINGUISTICS 120B OR 127

Select one course from:

LING 120B - Syntax I

LING 127 - Syntactic Typology and Universals

LINGUISTICS M146

Select one course from:

LING M146 - Language in Culture

ANTHRO M150 - Language in Culture

Linguistic Elective

Select two courses from:

LING 114 - American Indigenous Linguistics

LING 120C - Semantics I

LING 144 - Fundamentals of Translation and Interpreting

LING 160 - Field Methods

LING 161 - Language Documentation

LING 170 - Language and Society: Introduction to Sociolinguistics

Anthropology 151 or Sociology CM124A

Select one course from:

ANTHRO 151 - Ethnography of Everyday Speech

SOCIOL CM124A - Conversational Structures I

COMM M144A - Conversational Structures I

Upper-Division Electives

Select three courses from the following options:

ANTHROPOLOGY 130 SERIES

Only one course may apply.

Anthropology 130 through 139

ANTHROPOLOGY 150 SERIES

Only one course may apply.

Anthropology 150 through 159

ANTHROPOLOGY 160 SERIES

Only one course may apply.

Anthropology 160 through 169

SOCIOLOGY CM124A OR CM125

SOCIOL CM124A - Conversational Structures I

COMM M144A - Conversational Structures I

SOCIOL CM125 - Talk and Social Institutions

COMM M125 - Talk and Social Institutions

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Program in Computing 10A and 10B and 10C (or Computer Science 31 and 32), Linguistics 185A, Mathematics 61, and one course selected from Linguistics 104, 127, 132, 165A, 165B, 165C, 180, 185B. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Additional Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics and Asian Languages and Cultures BA

College / School

College of Letters and Science

Department

Linguistics

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The major combines the basic courses of the general linguistics program with that of East Asian languages and cultures. Students are able to study the civilizations of China, Korea, Japan, and India; and enrich their knowledge about the nature, grammar, and history of human language at the same time.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and Asian Languages and Cultures major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of either Chinese, Japanese, or Korean, one introduction to linguistics course, one cultural anthropology course, one Chinese, Japanese, or Korean civilization course, and one year of a second foreign language.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses, the equivalent to the sixth level in either Chinese, Japanese, or Korea, and the equivalent to the third level of a second foreign language as follows:

ANTHRO 4 - Culture and Communication

LING 20 - Introduction to Linguistic Analysis

Civilization

Select one course, as appropriate, from:

CHIN 50 - Chinese Civilization

JAPAN 50 - Japanese Civilization

KOREA 50 - History of Korean Civilization

Foreign Language

Complete the equivalent to the sixth level in either Chinese, Japanese, or Korea, and the equivalent to the third level of a second foreign language.

The Major

Complete 11 upper-division courses as follows:

Required Linguistics Courses

Complete five courses. Only one course from Linguistics 165A or 165B may be applied.

LING 103 - Introduction to General Phonetics

LING 110 - Introduction to Historical Linguistics

LING 120A - Phonology I

LING 120B - Syntax I

LING 165A - Phonology II

LING 165B - Syntax II

Upper-Division Elective

Complete one upper-division elective course in the Linguistics Department (minimum 4 graded units).

Tracks

CHINESE

Advanced Modern Chinese

Select one series from Chinese 100A, 100B, and 100C, or 100D, 100E, and 100F, or 100I:

CHIN 100A - Advanced Modern Chinese

CHIN 100B - Advanced Modern Chinese

CHIN 100C - Advanced Modern Chinese

CHIN 100D - Advanced Modern Chinese for Heritage Speakers

CHIN 100E - Advanced Modern Chinese for Heritage Speakers

CHIN 100F - Advanced Modern Chinese for Heritage Speakers

CHIN 100I - Advanced Modern Chinese: Intensive

Electives

Select two courses from:

ASIAN 104 - Asian Language Pedagogy

CHIN 101A - Advanced Readings in Modern Chinese

CHIN 101B - Advanced Readings in Modern Chinese

CHIN 101C - Advanced Readings in Modern Chinese

CHIN 103 - Topics in Chinese Language and Culture

CHIN 110A - Introduction to Classical Chinese

CHIN 110B - Introduction to Classical Chinese

CHIN 110C - Introduction to Classical Chinese

CHIN C120 - Introduction to Chinese Linguistics

CHIN 130A - Readings in Modern Chinese Literature

CHIN 130B - Readings in Modern Chinese Literature

CHIN 165 - Introduction to Chinese Buddhist Texts

JAPANESE

Advanced Modern Japanese

Select Japanese 100A, 100B, and 100C, or 100S:

- JAPAN 100A - Advanced Modern Japanese
- JAPAN 100B - Advanced Modern Japanese
- JAPAN 100C - Advanced Modern Japanese
- JAPAN 100S - Advanced Modern Japanese: Intensive

Electives

Select two courses from following list. Only one course from Japanese CM123 or CM 127 may be applied.

- ASIAN 104 - Asian Language Pedagogy
- JAPAN 101A - Fourth-Year Japanese: Advanced Reading
- JAPAN 101B - Fourth-Year Japanese: Advanced Reading
- JAPAN 101C - Fourth-Year Japanese: Advanced Reading
- JAPAN 110A - Introduction to Classical Japanese: Basic Grammar
- JAPAN 110B - Introduction to Classical Japanese: Reading Proficiency
- JAPAN M120 - Introduction to Japanese Linguistics
- JAPAN CM123 - Structure of Japanese
- JAPAN CM127 - Contrastive Analysis of Japanese and Korean
- JAPAN 130A - Readings in Modern Japanese Literature
- JAPAN 130B - Readings in Modern Japanese Literature

KOREAN

Advanced Modern Korean

Complete the following three courses:

- KOREA 100A - Advanced Modern Korean
- KOREA 100B - Advanced Modern Korean

KOREA 100C - Advanced Modern Korean

Electives

Select two courses from:

ASIAN 104 - Asian Language Pedagogy

KOREA 101A - Advanced Readings in Modern Korean

KOREA 101B - Advanced Readings in Modern Korean

KOREA 101C - Advanced Readings in Modern Korean

KOREA 103A - Readings in Sino-Korean Characters

KOREA 103B - Readings in Sino-Korean Characters

KOREA 103C - Readings in Sino-Korean Characters

KOREA C105A - Reading Korean Academic Texts

KOREA C105B - Reading Korean Academic Texts

KOREA C105C - Reading Korean Academic Texts

KOREA CM120 - Structure of Korean

KOREA CM127 - Contrastive Analysis of Japanese and Korean

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Program in Computing 10A and 10B and 10C (or Computer Science 31 and 32), Linguistics 185A, Mathematics 61, and one course selected from Linguistics 104, 127, 132, 165A, 165B, 165C, 180, 185B. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Additional Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics and Computer Science BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major combines the basic courses of the general linguistics program with that of computer science, accommodating students who want professional preparation in computer science but do not necessarily have a strong interest in computer systems hardware. The goal of linguistics is the enrichment of

knowledge about the nature, grammar, and history of human language. Linguistics is a theoretical discipline, akin to philosophy, anthropology, and cognitive psychology.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research
5. Understanding of human language systems as computational devices
6. Understanding of fundamental concepts applicable to engineering problems in natural language processing

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and Computer Science major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to linguistics course, two calculus courses, four computer programming courses, and two years of one foreign language or one year in each of two foreign languages. One discrete structures course and one probability theory course are recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete nine courses and the third term in one foreign language as follows. Students select either Mathematics 31A or 31AL.

- LING 20 - Introduction to Linguistic Analysis
- COM SCI 31 - Introduction to Computer Science I
- COM SCI 32 - Introduction to Computer Science II
- COM SCI 33 - Introduction to Computer Organization
- COM SCI 35L - Software Construction
- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series
- MATH 61 - Introduction to Discrete Structures
- MATH 70 - Introduction to Probability

Foreign Language

Completion of the third term in one foreign language.

The Major

Complete 11 courses as follows:

Required Linguistics Courses

Complete six courses as follows:

LINGUISTICS 102 OR 103

Select one course from:

LING 102 - Introduction to Applied Phonetics

LING 103 - Introduction to General Phonetics

LINGUISTICS 119A OR 120A

Select one course from:

LING 119A - Applied Phonology

LING 120A - Phonology I

LINGUISTICS 120B

Complete the following course:

LING 120B - Syntax I

LINGUISTICS 120C

Complete the following course:

LING 120C - Semantics I

LINGUISTICS 165A OR 165B OR 165C

Select one course from:

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LINGUISTICS 185A

Complete the following course:

LING 185A - Computational Linguistics I

Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Computer Science

Complete four courses as follows:

COM SCI 131 - Programming Languages

COM SCI 180 - Introduction to Algorithms and Complexity

COM SCI 181 - Theory of Computing

COMPUTER SCIENCE 132 OR 161

Select one course from:

COM SCI 132 - Compiler Construction

COM SCI 161 - Fundamentals of Artificial Intelligence

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics and English BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major combines the basic courses of the general linguistics program with that of English. Students are able to study the literatures and cultures of those parts of the world in which English is the primary

language, the history and structure of the English language itself, and enrich their knowledge about the nature, grammar, and history of human language at the same time.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and English major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to linguistics course, one critical reading and writing course, one year of English literature survey courses, and two years of one foreign language or one year of two different foreign languages.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete five courses and the foreign language requirement. Students may select English 4W or 4HW.

LING 20 - Introduction to Linguistic Analysis

ENGL 4W - Critical Reading and Writing

ENGL 4HW - Critical Reading and Writing (Honors)

ENGL 10A - Literatures in English to 1700

ENGL 10B - Literatures in English, 1700 to 1850

ENGL 10C - Literatures in English, 1850 to Present

Foreign Language

Complete the equivalent to the sixth level of one foreign language or the equivalent to the third level of two different foreign languages.

The Major

Complete 11 upper-division courses as follows:

Linguistics Core

Complete five courses. Only one course from Linguistics 165A or 165B may be applied.

LING 103 - Introduction to General Phonetics

LING 110 - Introduction to Historical Linguistics

LING 120A - Phonology I

LING 120B - Syntax I

LING 165A - Phonology II

LING 165B - Syntax II

LINGUISTICS 200A OR 200B

Students may substitute courses 200A or 200B for 165A or 165B respectively if they receive grades of A in 120A or 120B respectively and have consent of instructor.

LING 200A - Phonological Theory I

LING 200B - Syntactic Theory I

Upper-Division Linguistics Elective

Complete one upper-division elective in the Linguistics Department (minimum 4 graded units).

English

Select two courses from:

- ENGL 113A - History of English Language
- ENGL 120 - History of Aesthetics and Critical Theory
- ENGL 141B - Introduction to Old English Language and Literature
- LING 170 - Language and Society: Introduction to Sociolinguistics

Additional English Electives

Select a total of three courses from the following list or from the series or courses:

- ENGL 113A - History of English Language
- ENGL 120 - History of Aesthetics and Critical Theory
- ENGL 140A - Chaucer: "Canterbury Tales"
- ENGL 140B - Chaucer: "Troilus and Criseyde" and Selected Minor Works
- ENGL 141B - Introduction to Old English Language and Literature
- ENGL 150A - Shakespeare: Poems and Early Plays
- ENGL 150B - Shakespeare: Later Plays
- ENGL 151 - Milton

ENGLISH 150 SERIES

Only one course may apply.

- English 150 through 159

ENGLISH 160 SERIES

Only one course may apply.

- English 160 through 169

ENGLISH 170 SERIES

Only one course may apply.

English 170 through 179

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Program in Computing 10A and 10B and 10C (or Computer Science 31 and 32), Linguistics 185A, Mathematics 61, and one course selected from Linguistics 104, 127, 132, 165A, 165B, 165C, 180, 185B. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Linguistics Elective

Selected one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students

complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

The same course may not be used to satisfy more than one upper-division major requirement.

Major

Linguistics and Philosophy BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major combines the basic courses of the general linguistics program with that of philosophy, for students who are reflective about their beliefs or who wish to become so. Students enrich their knowledge about the nature, grammar, and history of human language, and are given the opportunity to ponder the

foundations of almost any other subject to which they are exposed—whether history, religion, government, law, or science.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, semantics, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and Philosophy major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to linguistics course, one symbolic logic course and two courses from introduction to philosophy of mind, philosophy of science, skepticism and rationality, meaning and communication, or language and identity, and two years of one foreign language or one year of two different foreign languages.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses and the foreign language requirement as follows:

LING 20 - Introduction to Linguistic Analysis

PHILOS 31 - Logic, First Course

Philosophy Electives

Select two courses from:

PHILOS 7 - Introduction to Philosophy of Mind

PHILOS 8 - Introduction to Philosophy of Science

PHILOS 21 - Skepticism and Rationality

PHILOS 23 - Meaning and Communication

PHILOS M24 - Language and Identity

LING M7 - Language and Identity

Foreign Language

Complete the equivalent to the sixth level of one foreign language or the equivalent to the third level of two different foreign languages.

The Major

Complete 11 upper-division courses as follows:

Required Linguistics Courses

Complete five courses as follows:

LINGUISTICS 102 OR 103

Select one course from:

LING 102 - Introduction to Applied Phonetics

LING 103 - Introduction to General Phonetics

LINGUISTICS 119A OR 120A

Select one course from:

LING 119A - Applied Phonology

LING 120A - Phonology I

LINGUISTICS 120B AND 120C

Complete the following two courses:

LING 120B - Syntax I

LING 120C - Semantics I

LINGUISTICS 165B OR 165C OR 180

Select one course from:

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

Upper-Division Linguistics Elective

Complete one upper-division elective in the Linguistics Department (minimum 4 graded units).

Philosophy Electives

Select five courses from the following lists, of which at least two must be from Philosophy C127A, C127B, 172:

PHILOSOPHY C127A, C127B, 172

Select at least two of the following:

PHILOS C127A - Philosophy of Language

PHILOS C127B - Philosophy of Language

PHILOS 172 - Philosophy of Language and Communication

PHILOSOPHY 124 THROUGH 135

Philosophy 124 through 135

ADDITIONAL PHILOSOPHY ELECTIVES

PHILOS 170 - Philosophy of Mind

PHILOS 172 - Philosophy of Language and Communication

PHILOS 174 - Topics in Theory of Knowledge

PHILOS 180 - Philosophy of Action

PHILOS 181 - Philosophy of Perception

PHILOS 184 - Topics in Metaphysics

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Program in Computing 10A and 10B and 10C (or Computer Science 31 and 32), Linguistics 185A, Mathematics 61, and one course selected from Linguistics 104, 127, 132, 165A, 165B, 165C, 180, 185B. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics and Psychology BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major combines the basic courses of the general linguistics program with that of psychology. Students are able to study and explain human and animal behavior, both normal and abnormal, as well as enrich

their knowledge about the nature, grammar, and history of human language.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and Psychology major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to linguistics course, one introduction to psychology course, one introduction to cognitive science course, one psychological statistics course, one psychology research methods course, and two years of one foreign language or one year of two different foreign languages. One introduction to programming course is strongly recommended.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete five courses and the foreign language requirement as follows:

LING 20 - Introduction to Linguistic Analysis

PSYCH 10 - Introductory Psychology

PSYCH 85 - Introduction to Cognitive Science

PSYCH 100A - Psychological Statistics

PSYCH 100B - Research Methods in Psychology

Foreign Language

Complete the equivalent to the sixth level of one foreign language or the equivalent to the third level of two different foreign languages.

Recommended

The following course is strongly recommended:

COMPTNG 10A - Introduction to Programming

The Major

Complete 11 upper-division courses (six in linguistics and five in psychology) as follows:

Required Linguistics Courses

Complete five courses as follows:

LINGUISTICS 102 OR 103

Select one course from:

LING 102 - Introduction to Applied Phonetics

LING 103 - Introduction to General Phonetics

LINGUISTICS 119A OR 120A

Select one course from:

LING 119A - Applied Phonology

LING 120A - Phonology I

LINGUISTICS 120B

LING 120B - Syntax I

ADDITIONAL LINGUISTICS COURSES

Select two courses from:

LING 115 - Linguistics and Speech Pathology

LING 130 - Language Development

LING 132 - Language Processing

LING C135 - Neurolinguistics

LING C140 - Bilingualism and Second Language Acquisition

Upper-Division Linguistics Elective

Complete one upper-division elective course in the Linguistics Department (minimum 4 graded units; multiple-listed courses may not be applied).

Recommended Linguistics Courses

Linguistics 165A, 165B, and whichever of 130, 132, and C135 has not been used to satisfy the requirement, are strongly recommended.

LING 130 - Language Development

LING 132 - Language Processing

LING C135 - Neurolinguistics

LING 165A - Phonology II

LING 165B - Syntax II

Psychology

Complete five courses as follows:

PSYCH 120A - Cognitive Psychology

PSYCH 121 - Laboratory in Cognitive Psychology

ADDITIONAL PSYCHOLOGY

Select one course from:

PSYCH 130 - Developmental Psychology

PSYCH 133B - Cognitive Development

PSYCH 133E - Perceptual Development

PSYCHOLOGY ELECTIVES

Select two courses from:

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH M116A - Behavioral Neuroscience Laboratory

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 118 - Comparative Psychobiology

PSYCH M119L - Human Neuropsychology

PSYCH 124A - Language as Cognitive Science

PSYCH 124C - Human Memory

PSYCH 130 - Developmental Psychology

PSYCH 133B - Cognitive Development

PSYCH 133C - Language Development

PSYCH 133E - Perceptual Development

PSYCH 133F - Psychology and Education

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Program in Computing 10A and 10B and 10C (or Computer Science 31 and 32), Linguistics 185A, Mathematics 61, and one course selected from Linguistics 104, 127, 132, 165A, 165B, 165C, 180, 185B. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Linguistics Elective

Select one course from:

- LING C104 - Experimental Phonetics
- LING 127 - Syntactic Typology and Universals
- LING 132 - Language Processing
- LING 165A - Phonology II
- LING 165B - Syntax II
- LING 165C - Semantics II
- LING 180 - Mathematical Structures in Language I
- LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics and Spanish BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The major combines the basic courses of the general linguistics program with that of Spanish. Students are able to study the Spanish language, literatures, and cultures of the Hispanic heritage, as well as

enrich their knowledge about the nature, grammar, and history of human language.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics and Spanish major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of Spanish; one Spanish composition course; one Spanish, Portuguese, and nature of language course; one Spanish civilization course or one Spanish American civilization course; one introduction to linguistics course; and one year of a second foreign language.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses and the foreign language requirement as follows:

LING 20 - Introduction to Linguistic Analysis

SPAN M35 - Spanish, Portuguese, and Nature of Language

Spanish 25 or 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

Spanish 42 or 44

Select one course from:

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

Foreign Language

Complete the equivalent to the fifth level of Spanish and the equivalent to the third level of a second foreign language.

The Major

Complete 11 upper-division courses as follows:

Linguistics

Complete five courses. Only one course from Linguistics 165A or 165B may be applied.

LING 103 - Introduction to General Phonetics

LING 110 - Introduction to Historical Linguistics

LING 120A - Phonology I

LING 120B - Syntax I

LING 165A - Phonology II

LING 165B - Syntax II

Linguistics Elective

Complete one upper-division elective course in the Linguistics Department (minimum 4 graded units).

Spanish

Complete the following four courses:

SPAN 100A - Introduction to Study of Spanish Grammar: Phonology and Morphology

SPAN 100B - Introduction to Study of Spanish Grammar: Syntax

SPAN 119 - Introduction to Literary Analysis

SPAN 160 - Topics in Spanish Linguistics

Spanish Elective

Complete one additional upper-division Spanish course.

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Program in Computing 10A and 10B and 10C (or Computer Science 31 and 32), Linguistics 185A, Mathematics 61, and one course selected from Linguistics 104, 127, 132, 165A, 165B, 165C, 180, 185B. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the major.

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

A 2.0 grade-point average in linguistics courses is required for the major.

Major

Linguistics BA

College / School
College of Letters and Science

Department
Linguistics

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

Linguistics is the scientific study of languages as a general phenomenon. It aims to help answer broad questions concerning the nature of human cognition and communication. Students will learn about language universals as well as the ways in which languages differ from one another in terms of their

sound patterns, syntax, and the way they encode meaning. They will also learn about the linguistic theories explaining and constraining linguistic knowledge, informed in part by experimental investigations of child language acquisition and adult language processing. Successful graduates will receive a cognitive science education with a focus on language; they will develop skills in data analysis, analytic reasoning, and experimental methods.

Learning Outcomes

1. Ability to apply critical thinking skills through linguistic data analysis in phonetics, phonology, syntax, semantics, and at least one other subfield
2. Understanding of advanced theoretical concepts and/or analytical techniques in at least one subfield
3. Ability to write technical material in linguistics, including language description and theory-based analysis
4. Ability to access scholarly literature on language structure and use it in research

Entry to the Major

Transfer Students

Transfer applicants to the Linguistics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one introduction to linguistics course, two courses from symbolic logic, introductory psychology or psychological statistics, or cultural anthropology, and two years of one foreign language or one year of two different foreign languages.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses and a foreign language requirement as follows:

LING 20 - Introduction to Linguistic Analysis

Electives

Select two courses from the following list. Only one course from Psychology 10 or 100A may be applied.

ANTHRO 4 - Culture and Communication

PHILOS 31 - Logic, First Course

PSYCH 10 - Introductory Psychology

PSYCH 100A - Psychological Statistics

Foreign Language

Complete the equivalent to the sixth level of one foreign language or the equivalent to the third level of two different foreign languages.

The Major

Complete 11 upper-division or graduate courses as follows:

LING 103 - Introduction to General Phonetics

LING 120A - Phonology I

LING 120B - Syntax I

LING 120C - Semantics I

Additional Linguistics Electives

Select two courses from:

LING C104 - Experimental Phonetics

LING 110 - Introduction to Historical Linguistics

LING 130 - Language Development

LING 132 - Language Processing

Linguistics 165 series

Select two courses from:

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

SUBSTITUTIONS

Students may substitute courses 200A, 200B, and 200C for 165A, 165B, and 165C respectively if they receive grades of A in 120A, 120B, and 120C respectively and have consent of instructor.

LING 200A - Phonological Theory I

LING 200B - Syntactic Theory I

LING 200C - Semantic Theory I

Upper-Division Electives

Complete three upper-division elective courses from the Linguistics Department (minimum 4 grade units each).

Honors Program

Departmental honors are awarded at graduation to those students who have a grade-point average of 3.6 or better in their junior and senior years and who have received a grade of A in Linguistics 198A and 198B or in 199. Qualified students may be proposed by any member of the faculty to the faculty as a whole for the award of highest honors on the basis of a piece of research in linguistics completed at UCLA.

Linguistics 198A and 198B

LING 198A - Honors Research in Linguistics I

LING 198B - Honors Research in Linguistics II

Linguistics 199

LING 199 - Directed Research or Senior Project in Linguistics

Computing Specialization

Students may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses. Students graduate with a bachelor's degree in their major and a specialization in Computing.

Introduction to Computing

Select one series from:

PROGRAM IN COMPUTING

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPUTER SCIENCE

COM SCI 31 - Introduction to Computer Science I

COM SCI 32 - Introduction to Computer Science II

Linguistics 185A and Mathematics 61

Complete the following two courses:

LING 185A - Computational Linguistics I

MATH 61 - Introduction to Discrete Structures

Additional Linguistics Elective

Select one course from:

LING C104 - Experimental Phonetics

LING 127 - Syntactic Typology and Universals

LING 132 - Language Processing

LING 165A - Phonology II

LING 165B - Syntax II

LING 165C - Semantics II

LING 180 - Mathematical Structures in Language I

LING 185B - Computational Linguistics II

Policies

Preparation for the Major Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework

Students who complete an advanced upper-division language course are considered to have completed the equivalent of whatever courses are requisite to that advanced language course (e.g., if students complete German 152, they have automatically satisfied the requirement of the sixth level of work in German).

The Major Policies

No more than one course from 197, 198A, 198B, and 199 may be applied toward the major.

One linguistics-related course (minimum 4 graded units) offered by another department may be applied toward the elective in consultation with the Linguistics Department undergraduate student affairs officer.

A 2.0 grade-point average in linguistics courses is required for the major.

Minor

Linguistics Minor

College / School
College of Letters and Science

Department
Linguistics

Level

Undergraduate

Overview

The Linguistics minor is designed for students for whom training in linguistic analysis could be an enhancement to their major programs, and for students who are interested in language(s) but do not have time in their undergraduate programs to pursue multiquarter language sequences. In addition, the minor provides students with a way to design custom joint degrees with linguistics where the Linguistics Department does not have an existing joint degree program combining linguistics and another field.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Course (5 units):

Complete the following course:

LING 20 - Introduction to Linguistic Analysis

Required Upper-Division Courses (27 to 30 units):

Select a total of six courses as follows. Students who plan to complete the 165 course series must first take the corresponding 120 course series.

REQUIRED LINGUISTICS COURSES

Complete three courses as follows:

Linguistics 102 or 103

Select one course from:

LING 102 - Introduction to Applied Phonetics

LING 103 - Introduction to General Phonetics

Linguistics 119A or 120A

Select one course from:

LING 119A - Applied Phonology

LING 120A - Phonology I

Linguistics 120B

Complete the following course:

LING 120B - Syntax I

UPPER-DIVISION LINGUISTICS ELECTIVES

Select two courses from Linguistics 104 through 185B:

Linguistics C104 through 185B

ADDITIONAL ELECTIVE

Complete an additional elective linguistics course, which may be upper- or lower-division.

Policies

The Minor Policies

Linguistics 20 must be passed with a letter grade of C or better prior to beginning upper-division coursework in the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Linguistics MA, CPhil, PhD

College / School
College of Letters and Science

Department
Linguistics

Degree Level

Graduate

Degree Objective

Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Management Overview

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John E. Anderson Graduate School of Management

G415 Marion Anderson Hall
Box 951481
Los Angeles, CA 90095-1481

Management
310-825-7982

Margaret J. Shih, PhD, *Chair*

The John E. Anderson Graduate School of Management at UCLA is a world-renowned learning and research institution, consistently ranked among the best management schools in the world. Its mission is to advance management thinking and prepare transformative leaders to make positive business and societal impact.

The school offers seven programs leading to graduate degrees at the master's and doctoral levels. Each degree program is tailored to the experience level, knowledge, skillset, and career ambition of the students. These include a full-time Master of Business Administration (MBA), as well as three part-time MBA programs for working professionals including the Fully Employed MBA program for mid-level and emerging senior leaders, the Executive MBA program, and the UCLA-NUS Global Executive MBA program in partnership with the National University of Singapore (NUS) Business School, both designed for senior-level managers and executives. The school also offers a Master of Financial Engineering (MFE), a Master of Science (MS) in Business Analytics, and a PhD in Management (an MS degree may be earned in the process of completing PhD requirements). Certificate programs, including open enrollment and custom corporate programs, as well as research conferences and seminars for experienced managers, are offered through the Office of Executive Education.

Undergraduate Study

The school offers an undergraduate minor in Accounting and an interdisciplinary minor in Entrepreneurship in conjunction with the College of Letters and Science.

Subject Areas

Management courses are in the following subject areas:

- **Management**
- **Management–Executive MBA**
- **Management–Full-Time MBA**
- **Management–Fully Employed MBA**
- **Management–Global Executive MBA Asia Pacific**
- **Management–Master of Financial Engineering**
- **Management–Master of Science in Business Analytics**
- **Management–PhD**

Management Faculty Roster

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Professors

Reza H. Ahmadi, PhD *(George Robbins Professor of Management)*
Corinne B. Bendersky, PhD
Daniel J. Benjamin, PhD
Antonio E. Bernardo, PhD *(John E. Anderson Professor of Management)*
Sushil Bikhchandani, MBA, PhD *(Howard Noble Professor of Management)*
Felipe Caro, PhD
Eugene M. Caruso, PhD *(Bing '86 and Alice Liu Yang Endowed Term Professor of Teaching Excellence)*
Judson A. Caskey, MBA, PhD
M. Keith Chen, PhD
Mikhail Chernov, PhD *(Warren C. Cordner Professor of Money and Financial Markets)*
Charles J. Corbett, PhD *(IBM Professor of Management)*
Samuel A. Culbert, PhD
Magali A. Delmas, PhD
Sanford E. DeVoe, PhD
Aimee L. Drolet Rossi, PhD *(Marion Anderson Professor of Management)*
Sebastian Edwards, PhD *(Ford II Professor of International Management)*
Andrea L. Eisfeldt, PhD *(Laurence D. and Lori W. Fink Endowed Professor of Finance)*
Craig R. Fox, PhD *(Harold Williams Professor of Management)*
Henry L. Friedman, PhD
Stuart A. Gabriel, PhD *(Arden Realty Professor)*
Mark J. Garmaise, PhD *(Joel Fried Professor of Applied Finance)*
Paola Giuliano, PhD *(Chauncey J. Medberry Professor of Management)*
Noah J. Goldstein, PhD *(Ho-Su Wu Professor of Management)*
Carla Hayn, PhD *(Ernst and Young Professor of Accounting)*

Hal E. Hershfield, PhD

Catherine M. Holmes, PhD *(Bud Knapp Marketing Professor)*

Uday S. Karmarkar, PhD *(Los Angeles Times Professor of Management and Policy)*

Marvin B. Lieberman, PhD *(Henry and Elsa Kunin Professor of Business and Society)*

Lars A. Lochstoer, PhD

Elisa F. Long, PhD

Francis A. Longstaff, MBA, PhD *(Allstate Professor of Insurance and Finance)*

Stavros Panageas, PhD

Kumar Rajaram, PhD *(William E. Leonhard Professor of Management)*

Peter E. Rossi, MBA, PhD *(James A. Collins Professor of Management)*

Mariko Sakakibara, MBA, PhD *(Sanford and Betty Sigoloff Professor of Corporate Renewal)*

Rakesh K. Sarin, MBA, PhD *(Paine Professor of Management)*

Margaret J. Shih, PhD *(Neil Jacoby Professor of Management)*

Sanjay Sood, MBA, PhD

Olav Sorenson, PhD *(Joseph Jacobs Professor of Entrepreneurial Studies)*

Stephen A. Spiller, PhD

Avanidhar Subrahmanyam, PhD *(Goldyne and Irwin Hearsh Professor of Money and Banking)*

Christopher S. Tang, PhD *(Edward W. Carter Professor of Business Administration)*

Siew Hong Teoh, PhD *(Lee and Seymour Graff Endowed Professor)*

Miguel M. Unzueta, PhD

John D. Villasenor, PhD

Nico Voigtländer, PhD

Romain T. Wacziarg, PhD *(Hans Hufschmid Professor of Management)*

Ivo I. Welch, PhD *(J. Fred Weston Professor of Finance)*

Robert Zeithammer, PhD

Professors Emeriti

Shlomo Benartzi, PhD

Michael J. Brennan, PhD *(Goldyne and Irwin Hearsh Professor Emeritus of Money and Banking)*

Randolph E. Bucklin, PhD *(Peter W. Mullin Professor Emeritus of Management)*

Bhagwan Chowdhry, PhD

Lee G. Cooper, PhD

Bradford Cornell, PhD

Michael R. Darby, PhD *(Warren C. Cordner Professor Emeritus of Money and Financial Markets)*

David K. Eiteman, PhD

Christopher L. Erickson, PhD

Arthur M. Geoffrion, PhD

Robert L. Geske, PhD

Mark S. Grinblatt, PhD *(Japan Alumni Professor Emeritus of International Finance)*

Dominique M. Hanssens, PhD *(Bud Knapp Marketing Professor Emeritus)*

John S. Hughes, PhD *(Ernst & Young Professor Emeritus of Accounting)*

Sanford M. Jacoby, PhD *(Howard Noble Professor Emeritus of Management)*
Harold H. Kassarjian, PhD
Archie Kleingartner, PhD
J. Clayburn La Force, Jr., PhD
Barbara S. Lawrence, PhD
Edward E. Leamer, PhD *(Chauncey J. Medberry Professor Emeritus of Management)*
David Lewin, PhD *(Neil Jacoby Professor Emeritus of Management)*
Bennet P. Lientz, PhD
Steven A. Lippman, PhD *(George Robbins Professor Emeritus of Management)*
John W. Mamer, PhD
Kevin F. McCardle, PhD
John J. McDonough, DBA
Bruce L. Miller, PhD
Daniel J.B. Mitchell, PhD *(Ho-Su Wu Professor Emeritus of Management)*
Frank G. Mittelbach, MA
Donald G. Morrison, PhD *(William E. Leonhard Professor Emeritus of Management)*
Judy D. Olian, PhD
Alfred E. Osborne, Jr., PhD
William G. Ouchi, PhD *(Sanford and Betty Sigoloff Professor Emeritus of Corporate Renewal)*
William P. Pierskalla, PhD
Richard W. Roll, PhD *(Joel Fried Professor Emeritus of Applied Finance)*
Richard P. Rumelt, DBA *(Harry and Elsa Kunin Professor Emeritus of Business and Society)*
Eduardo S. Schwartz, PhD *(California Professor Emeritus of Real Estate and Land Economics)*
Carol A. Scott, PhD
Suzanne B. Shu, MEng, MBA, PhD
E. Burton Swanson, PhD
Walter N. Torous, PhD *(Lee and Seymour Graff Endowed Professor Emeritus)*
Brett M. Trueman, PhD *(Lee and Seymour Graff Endowed Professor Emeritus)*
Bruce G. Willison, MBA

Associate Professors

Anand V. Bodapati, PhD
Hengchen Dai, PhD
Jana Gallus, PhD
Valentin P. Haddad, MBA, PhD
Barney P. Hartman-Glaser, PhD
Brett W. Hollenbeck, PhD
Elisabeth Honka, MBA, PhD
Ian I. Larkin, PhD
Beatrice Michaeli, MBA, LLM, PhD
Velibor V. Mišic, PhD

Tyler S. Muir, PhD *(Donnalisa '86 and Bill Barnum Endowed Term Professor of Management)*
Jennifer Whitson, PhD
Shi Zhang, PhD

Assistant Professors

Fernanda Bravo, PhD
Francisco J. Castro, PhD
Hanne K. Collins, PhD
Ashvin D. Gandhi, PhD
Kareem F. Haggag, PhD
Joyce C. He, PhD
Bernard Herskovic, PhD
Jennifer L. Kao, PhD
Mark P. Kim, PhD
Shohini Kundu, MBA, PhD
H. Tai Lam, PhD
Alicea Lieberman, MPH, PhD
M. Kathleen Ngangoué, PhD
Christopher W. Poliquin, DBA
Scott R. Rodilitz, PhD
Gregor Schubert, PhD
Franklin P. Shaddy, PhD
Auyon A. Siddiq, PhD
Clémence Tricaud, PhD
Melanie S. Wasserman, PhD
Brian N. Wheaton, PhD
Jane Y. Wu, PhD
Sherry Jueyu Wu, PhD
Jinyuan Zhang, PhD

Senior Lecturers

Jane Guerin, JD
Paul B. Habibi, MBA
Ariella D. Herman, PhD
David S. Ravetch, MA

Lecturers

Derek J. Alderton, MBA
Maria S. Boss, JD
Tamara L. Berges, MBT
Peter D. Cowen, MBA
Jonathan E. Funk, MBA
Julie Ann Gardner-Treloar, MBA
George Ingersoll, PhD
Mark S. Karlan, JD, MBA
Gordon L. Klein, JD
Jason J.S. Lee, MBA
Daniel A. Nathanson, PhD
Paul S. Park, JD
Matthew D. Pierce, MBA
John B. Ullmen, MPP, PhD
Michael G. Williams, PhD

Adjunct Professors

Brian J. Farrell, MBA
Iris Firstenberg, PhD
Janis Forman, PhD, *Emerita*
Robert F. Foster, MBA, *Emeritus*
Gonzalo Freixes, JD
Brian S. Frons, PhD
George T. Geis, MBA, PhD
Levon Goukasian, PhD
Stephen A. Greene, MBA
Peter Guber, LLM
Jason C. Hsu, PhD
Terry D. Kramer, MBA
Robert M. McCann, PhD
Jeffrey S. Moorad, JD
Gerald Nickelsburg, PhD
Eric S. Reiner, PhD
Harry E. Sloan, JD
Eric H. Sussman, MBA
Victor C. Tabbush, PhD, *Emeritus*
Andres Terech, PhD
David W. Wessels, PhD

Adjunct Associate Professors

Heather M. Caruso, PhD
Jennifer T. McCaney, PhD
Lori N. Santikian, PhD
Nathan M. Wilson, PhD

Adjunct Assistant Professors

Susanne Daniels, BA
Paulo de Rezende, MBA
Alexander C. Dill, JD
Constança M. Esteves-Sorenson, PhD
Matthias Kahl, MPhil, MA, PhD
Mali Kinberg, PhD
Dylan B. Minor, PhD
Gayle S. Northrop, MBA

Minor

Accounting Minor

College / School

John E. Anderson Graduate School of Management

Department

Management

Level

Undergraduate

Overview

The Accounting minor provides students with a comprehensive accounting background.

Entry to the Minor

Admission

To enter the minor, students must (1) have a minimum cumulative UCLA grade-point average of 3.0, (2) complete all required pre-admission courses with a minimum course grade-point average of 3.0, and (3) receive grades of B or better in Management 1A and 1B. Repetition of more than one pre-admission course or of any pre-admission course more than once results in automatic denial of admission to the minor. Satisfying these requirements does not guarantee admission to the program.

Applications are accepted in fall, winter, and spring quarters. Nontransfer students must apply subsequent to completing 90 units. Transfer students must apply after completing two academic quarters (excluding summer sessions) at UCLA. Decisions are made by the Anderson School Accounting Area.

Required Pre-admission Courses (31 units minimum): Economics 1, 2, any statistics course offered or considered transferable to UCLA, Management 1A and 1B (former course 100 taken at UCLA may be substituted), Mathematics 3A or 31A, 3B or 31B or 31E, one Writing II course, and the Accounting Minor Interviewing Workshop. If Management 1A and/or 1B are not taken at UCLA, students must complete courses 120A and 122 prior to admission to the minor with a grade of B or better in each.

Students who have completed Management 1A and 1B at UCLA must receive a grade of B or better in each. Those who do not, must take Management 120A and earn a grade of B or better before being admitted into the minor.

Minor Requirements

The Minor

Complete seven upper-division courses (30 units) including the four following required courses and three elective courses.

MGMT 120A - Intermediate Financial Accounting I

MGMT 120B - Intermediate Financial Accounting II

MGMT 122 - Management Accounting

MGMT 127A - Tax Principles and Policy

Electives

Select three courses (minimum 12 units) from:

MGMT 105 - International Business

MGMT 108 - Business Law

MGMT 109 - International Business Law

MGMT 121 - Ethical Leadership in Accounting

MGMT 123 - Auditing

MGMT 124 - Advanced Accounting

MGMT 125 - Audit and Fraud Examination

MGMT 126 - Financial Statement Analysis

MGMT 127B - Corporate and Partnership Taxation

MGMT 130A - Basic Managerial Finance

MGMT 142A - Analytics in Accounting I

MGMT 142B - Analytics in Accounting II

MGMT 142C - Analytics in Accounting III

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Transfer credit for any of the above courses is subject to department approval and is considered only for the pre-admission courses. Only one pre-admission and one upper-division course repeat are allowed.

Each pre-admission and upper-division course must be taken for a letter grade; if taken on a Passed/Not Passed basis, it cannot be applied toward the minor program. Each upper-division course must be completed at UCLA. All courses applied toward minor requirements must receive a grade of C or better. Successful completion of the minor is indicated on the transcript and diploma.

Major

Business Analytics MS

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Executive Master of Business Administration

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Master of Business Administration

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Fully Employed Master of Business Administration

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Master of Business Administration

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Global Executive Master of Business Administration for Asia Pacific

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Master of Business Administration

Overview

The Anderson Graduate School of Management offers a dual degree program with the National University of Singapore Business School.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Management MS, CPhil, PhD

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Business Administration

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Master of Business Administration

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

- 0201 - Computer Science MS, PhD
- 0219 - Doctor of Dental Surgery
- 0558 - Doctor of Medicine
- 0501 - Juris Doctor
- 0498 - Latin American Studies MA
- 0509 - Master of Library and Information Science
- 0789 - Master of Public Health
- 0790 - Master of Public Policy
- 0597 - Master of Science in Nursing
- 0916 - Master of Urban and Regional Planning

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Major

Master of Financial Engineering

College / School

John E. Anderson Graduate School of Management

Department

Management

Degree Level

Graduate

Degree Objective

Master of Financial Engineering

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Materials Science and Engineering Overview

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Henry Samueli School of Engineering and Applied Science

3111 Engineering V
Box 951595
Los Angeles, CA 90095-1595

Materials Science and Engineering
310-825-5534

Yu Huang, PhD, ***Chair***
Alexander A. Balandin, PhD, ***Vice Chair, Graduate Education***
Qibing Pei, PhD, ***Vice Chair, Undergraduate Education***

At the heart of materials science and engineering is the understanding and control of the microstructure of solids. Microstructure is used broadly in reference to electronic and atomic structure of solids—and defects within them—at size scales ranging from atomic bond lengths to airplane wings. The structure of solids over this wide range dictates their structural, electrical, biological, and chemical properties. The phenomenological and mechanistic relationships between microstructure and the macroscopic properties of solids are, in essence, what materials science is all about.

Materials engineering builds on the foundation of materials science and is concerned with the design, fabrication, and optimal selection of engineering materials that must simultaneously fulfill dimensional, property, quality control, and economic requirements.

Materials Science and Engineering Faculty Roster

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Professors

Anastassia N. Alexandrova, PhD
Alexander A. Balandin, PhD
Gregory P. Carman, PhD *(Ben Rich-Lockheed Martin Professor of Advanced Aerospace Technologies)*
Jane P. Chang, PhD *(William Frederick Seyer Professor of Materials Electrochemistry)*
Yong Chen, PhD
Bruce S. Dunn, PhD *(Nippon Sheet Glass Company Professor of Materials Science)*
Mark S. Goorsky, PhD
Vijay Gupta, PhD
Yu Huang, PhD *(Traugott and Dorothea Frederking Endowed Professor)*
Subramanian S. Iyer, PhD *(Charles P. Reames Endowed Professor of Electrical Engineering)*
Ioanna Kakoulli, DPhil
Richard B. Kaner, PhD
Xiaochun Li, PhD *(Raytheon Company Professor of Mechanical Engineering)*
Jaime Marian, PhD
Ali Mosleh, PhD *(Evalyn Knight Professor of Engineering)*
Qibing Pei, PhD
Gaurav Sant, PhD *(Pritzker Professor of Sustainability)*
Daniel Schwalbe-Koda, PhD
Sarah H. Tolbert, PhD
Kang L. Wang, PhD *(Raytheon Company Professor of Electrical Engineering)*
Yinmin (Morris) Wang, PhD

Paul S. Weiss, PhD *(Presidential Professor of Chemistry)*

Ya-Hong Xie, PhD

Jenn-Ming Yang, PhD *(Collins Aerospace Term Professor of Excellence)*

Yang Yang, PhD *(Carol and Lawrence E. Tannas, Jr., Endowed Professor of Engineering)*

Professors Emeriti

Alan J. Ardell, PhD

Kanji Ono, PhD

Dwight C. Streit, PhD

King-Ning Tu, PhD

Benjamin M. Wu, DDS, PhD

Associate Professors

Ximin He, PhD

Aaron J. Moment, PhD, *in Residence*

Aaswath P. Raman, PhD

Assistant Professors

Amartya S. Banerjee, PhD

Laura Kim, PhD

Adjunct Professor

Suneel Kodambaka, PhD

Adjunct Associate Professors

Eric P. Bescher, PhD

Sergey Prikhodko, PhD

Adjunct Assistant Professors

Magdalena Balonis, PhD

Marta Pozuelo, PhD

Major

Materials Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Materials Science and Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The materials engineering program is designed for students who wish to pursue a professional career in the materials field and desire a broad understanding of the relationship between microstructure and properties of materials. Metals, ceramics, and polymers, as well as the design, fabrication, and testing of

metallic and other materials such as oxides, glasses, and fiber-reinforced composites, are included in the course contents. Students are introduced to the basic principles of metallurgy and ceramic and polymer science as part of the Materials Engineering major.

The department also has a program in electronic materials that provides a broad-based background in materials science, with opportunity to specialize in the study of those materials used for electronic and optoelectronic applications. The program incorporates several courses in electrical engineering in addition to those in the Materials Science curriculum.

The materials engineering program is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Materials Engineering major is a designated capstone major. Students undertake two individual projects involving materials selection, treatment, and serviceability. Successful completion requires working knowledge of physical properties of materials and strategies and methodologies of using materials properties in the materials selection process. Students learn and work independently and practice leadership and teamwork in and across disciplines. They are also expected to communicate effectively in oral, graphic, and written forms.

Learning Outcomes

1. Application of knowledge of mathematics, natural science, and engineering to analysis of materials and other systems
2. Learn and work independently
3. Practice leadership and teamwork in and across disciplines
4. Design of a system, component, or process to meet desired needs
5. Effective oral, graphic, and written communication

6. Identification, formulation, and solution of engineering problems

Major Requirements

Materials Engineering Option

Preparation for the Major

Complete 15 courses as follows:

CHEMISTRY

Complete the following three courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CIVIL ENGINEERING OR COMPUTER SCIENCE

Select one course from:

C&EE M20 - Introduction to Computer Programming with MATLAB

COM SCI 31 - Introduction to Computer Science I

MECH&AE M20 - Introduction to Computer Programming with MATLAB

MATERIALS SCIENCE AND ENGINEERING

Complete the following two courses:

MAT SCI 10 - Freshman Seminar: New Materials

MAT SCI 90L - Physical Measurement in Materials Engineering

MATHEMATICS

Complete six courses as follows:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

Mathematics 33B or Mechanical and Aerospace Engineering 82

Select one course from:

MATH 33B - Differential Equations

MECH&AE 82 - Mathematics of Engineering

PHYSICS

Complete the following three courses.

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

The Major

Complete 25 courses as follows:

REQUIRED COURSES

Complete 14 courses as follows. Students may apply Civil and Environmental Engineering 91 or Mechanical and Aerospace Engineering 101.

C&EE 91 - Statics

C&EE 108 - Introduction to Mechanics of Deformable Solids

EC ENGR 100 - Electrical and Electronic Circuits

MAT SCI 104 - Science of Engineering Materials

MAT SCI 110 - Introduction to Materials Characterization A (Crystal Structure, Nanostructures, and X-Ray Scattering)

MAT SCI 110L - Introduction to Materials Characterization A Laboratory

MAT SCI 120 - Physics of Materials

MAT SCI 130 - Phase Relations in Solids

MAT SCI 131 - Diffusion and Diffusion-Controlled Reactions

MAT SCI 131L - Diffusion and Diffusion-Controlled Reactions Laboratory

MAT SCI 132 - Structure and Properties of Metallic Alloys

MAT SCI 143A - Mechanical Behavior of Materials

MAT SCI 150 - Introduction to Polymers

MAT SCI 160 - Introduction to Ceramics and Glasses

MECH&AE 101 - Statics and Strength of Materials

UPPER-DIVISION MATHEMATICS COURSE

Select one course from:

C&EE 103 - Applied Numerical Computing and Modeling in Civil and Environmental Engineering

EC ENGR 102 - Systems and Signals

MATH 132 - Complex Analysis for Applications

MECH&AE 182B - Mathematics of Engineering

MECH&AE 182C - Numerical Methods for Engineering Applications

LABORATORY

Select two laboratory courses (4 units) from the following. Up to two units of Materials Science and Engineering 199 may be applied.

MAT SCI 121L - Materials Science of Semiconductors Laboratory

MAT SCI 141L - Computer Methods and Instrumentation in Materials Science

MAT SCI 143L - Mechanical Behavior Laboratory

MAT SCI 161L - Laboratory in Ceramics

MAT SCI 199 - Directed Research in Materials Science and Engineering

TECHNICAL BREADTH

Select three technical breadth courses (12 units) selected from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE DESIGN

Complete the following two courses:

MAT SCI 140A - Materials Selection and Engineering Design A

MAT SCI 140B - Materials Selection and Engineering Design B

MAJOR FIELD ELECTIVES

Select two major field elective courses (8 units) from:

CH ENGR CM114 - Electrochemical Processes

C&EE 130 - Elementary Structural Mechanics

C&EE 135A - Elementary Structural Analysis

EC ENGR 2 - Physics for Electrical Engineers

EC ENGR 123A - Fundamentals of Solid-State I

EC ENGR 123B - Fundamentals of Solid-State II

MAT SCI 105 - Principles of Nanoscience and Nanotechnology

MAT SCI C111 - Introduction to Materials Characterization B (Electron Microscopy)

MAT SCI C112 - Cultural Materials Science II: Characterization Methods in Conservation of Materials

MAT SCI 121 - Materials Science of Semiconductors

MAT SCI 122 - Principles of Electronic Materials Processing

MAT SCI 151 - Structure and Properties of Composite Materials

MAT SCI 161 - Processing of Ceramics and Glasses

MAT SCI 162 - Electronic Ceramics

MECH&AE 156A - Advanced Strength of Materials

MECH&AE 166C - Design of Composite Structures

ELECTIVE

Select at least one elective course (4 units) from:

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

EC ENGR 131A - Probability and Statistics

MAT SCI 170 - Engaging Elements of Communication: Oral Communication

MAT SCI 171 - Engaging Elements of Communication: Writing for Technical Community

MATH 170A - Probability Theory I

STATS 100A - Introduction to Probability

Electronic Materials Option

Preparation for the Major

Complete 15 courses as follows:

CHEMISTRY

Complete the following three courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CIVIL ENGINEERING OR COMPUTER SCIENCE

Select one course from:

C&EE M20 - Introduction to Computer Programming with MATLAB

COM SCI 31 - Introduction to Computer Science I

MECH&AE M20 - Introduction to Computer Programming with MATLAB

MATERIALS SCIENCE

Complete the following two courses:

MAT SCI 10 - Freshman Seminar: New Materials

MAT SCI 90L - Physical Measurement in Materials Engineering

MATHEMATICS

Complete six courses as follows:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

Mathematics 33B or Mechanical and Aerospace Engineering 82

Select one course from:

MATH 33B - Differential Equations

MECH&AE 82 - Mathematics of Engineering

PHYSICS

Complete the following three courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

The Major

Complete 25 courses as follows:

REQUIRED COURSES

Complete the following 15 courses:

EC ENGR 100 - Electrical and Electronic Circuits

EC ENGR 101A - Engineering Electromagnetics

EC ENGR 121B - Principles of Semiconductor Device Design

MAT SCI 104 - Science of Engineering Materials

MAT SCI 110 - Introduction to Materials Characterization A (Crystal Structure, Nanostructures, and X-Ray Scattering)

MAT SCI 110L - Introduction to Materials Characterization A Laboratory

MAT SCI 120 - Physics of Materials

MAT SCI 121 - Materials Science of Semiconductors

MAT SCI 121L - Materials Science of Semiconductors Laboratory

MAT SCI 122 - Principles of Electronic Materials Processing

MAT SCI 130 - Phase Relations in Solids

MAT SCI 131 - Diffusion and Diffusion-Controlled Reactions

MAT SCI 131L - Diffusion and Diffusion-Controlled Reactions Laboratory

MAT SCI 132 - Structure and Properties of Metallic Alloys

MECH&AE 101 - Statics and Strength of Materials

UPPER-DIVISION MATHEMATICS COURSE

Select one upper-division mathematics course from:

C&EE 103 - Applied Numerical Computing and Modeling in Civil and Environmental Engineering

EC ENGR 102 - Systems and Signals

MATH 132 - Complex Analysis for Applications

MECH&AE 182B - Mathematics of Engineering

MECH&AE 182C - Numerical Methods for Engineering Applications

MATERIALS SCIENCE

Select one course from:

- MAT SCI 150 - Introduction to Polymers
- MAT SCI 160 - Introduction to Ceramics and Glasses

ADDITIONAL ELECTRICAL AND COMPUTER ENGINEERING OR MATERIALS SCIENCE COURSE

Select one course (4 units) from:

- EC ENGR 123A - Fundamentals of Solid-State I
- EC ENGR 123B - Fundamentals of Solid-State II
- MAT SCI 150 - Introduction to Polymers
- MAT SCI 160 - Introduction to Ceramics and Glasses

LABORATORY

Select one course (4 units) from the following list. Up to 2 units of Material Science and Engineering 199 may be applied

- MAT SCI 141L - Computer Methods and Instrumentation in Materials Science
- MAT SCI 161L - Laboratory in Ceramics
- MAT SCI 199 - Directed Research in Materials Science and Engineering

TECHNICAL BREADTH

Select three technical breadth courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

CAPSTONE DESIGN

Complete the following two courses:

- MAT SCI 140A - Materials Selection and Engineering Design A
- MAT SCI 140B - Materials Selection and Engineering Design B

MAJOR FIELD ELECTIVE

Select one major field elective course (4 units) from:

EC ENGR 110 - Circuit Theory II

EC ENGR 131A - Probability and Statistics

MAT SCI 105 - Principles of Nanoscience and Nanotechnology

MAT SCI C111 - Introduction to Materials Characterization B (Electron Microscopy)

MAT SCI C112 - Cultural Materials Science II: Characterization Methods in Conservation of Materials

MAT SCI 143A - Mechanical Behavior of Materials

MAT SCI 162 - Electronic Ceramics

Policies

The Major Policies

List of technical breadth courses available in the **Office of Academic and Student Affairs**.

For information on UC, school, and general education requirements, see the **Samueli school** section in College and Schools.

Major

Materials Science and Engineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Materials Science and Engineering

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Overview

The graduate program allows for specialization in one of the following fields: ceramics and ceramic processing, electronic and optical materials, or structural materials.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Mathematics Overview

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College of Letters and Science

6363 Mathematical Sciences
Box 951555
Los Angeles, CA 90095-1555

Mathematics
310-825-4701

Chandrashekhar Khare, PhD, ***Chair***
Inwon C. Kim, PhD, ***Graduate Vice Chair***
Igor Pak, PhD, ***Administrative Vice Chair***
Marcus L. Roper, PhD, ***Undergraduate Vice Chair***
Michael J. Andrews, PhD, ***Director, Program in Computing***
Andrea L. Bertozzi, PhD, ***Director, Applied Mathematics***

Gauss called mathematics the “queen of the sciences.” It has provided powerful intellectual tools that have made possible tremendous advances in modern science and technology. The Department of Mathematics offers courses of study that introduce students to the fundamentals of mathematics and allow them to master the most important parts of the subject, both pure and applied. It leads doctoral students to the frontiers of mathematical research, where they can begin to push back those frontiers.

Undergraduate Study

In addition to its seven majors, the department also participates in the Mathematics/Economics Interdepartmental Program, which offers a Mathematics/Economics major.

Undergraduate Policies

Preliminary Examination in Mathematics

If students wish to enroll in Mathematics 1, 3A, 31A, or 31AL, they must pass the **Mathematics Diagnostic Test**.

For specific information about the online test, refer to the **Schedule of Classes** or the **department website**; or contact the Mathematics Student Services Office, 6356 Mathematical Sciences.

Advanced Placement in Calculus

Students who have taken the Advanced Placement (AP) Calculus AB Test and obtained a score of 5 receive 4 units of credit and Mathematics 31A equivalency; those with a score of 4 receive 4 units of calculus and analytic geometry credit. They may petition for 31A equivalency, or they may take course 31A or 31AL at UCLA, although they must still satisfy the course requisites (Mathematics Diagnostic Test). Students who take the BC Test and obtain a score of 5 receive 8 units of credit and Mathematics 31A, 31B equivalency; those with a score of 4 receive 4 units of credit and Mathematics 31A equivalency. They may petition for 31A, 31B equivalency, or they may take courses 31A or 31AL, 31B at UCLA, although they must still satisfy the course requisites (Mathematics Diagnostic Test). Students receiving a score of 4 or lower on the AB examination, or 3 or lower on the BC examination, should consult with the undergraduate mathematics counselor prior to enrolling in a calculus course at UCLA.

Credit Limitations

Credit is given for at most one course in each of the following groups: (1) 3A, 31A, 31AL; (2) 3B, 31B, 31E; (3) 110A, 117; (4) 170A, 170E; (5) former course 174A, 174E.

Courses from only one of the following statistics sequences may be applied toward any mathematics major: (1) Statistics 100A (or Mathematics 170A or 170E), 100B (or Mathematics 170S), 100C or (2) former Statistics 110A, 110B.

Mathematics 132 is not open for credit to students with credit for Physics 132.

Mathematics 151A is not open for credit to students with credit for Electrical and Computer Engineering 133A.

Mathematics 170A, 170E, and Statistics 100A are not open for credit to students with credit for Electrical and Computer Engineering 131A.

Mathematics 170S is not open for credit to students with credit for Statistics 100B.

Mathematics 174E is not open for credit to students with credit for Economics 141.

For lower-division mathematics courses, students may not take or repeat a course for credit if it is a requisite for a more advanced lower-division course for which they already have credit. This applies in particular to the repetition of courses (e.g., if students wish to repeat Mathematics 31B, they must do so before completing course 32B; if students wish to repeat Mathematics 3B or 31B or 32A, they must do so before completing course 33A).

For upper-division mathematics courses, students may not take or repeat a lower sequence course for credit if it is part of a sequence for which they already have credit. This applies in particular to the repetition of courses (e.g., if students wish to repeat Mathematics 131A, they must do so before completing course 131B or 131BH).

Students may not receive credit for both a course and the honors version of that course (e.g., they may not receive credit for both Mathematics 131A and 131AH).

Honors Courses

The department offers a lower-division honors sequence in calculus, and upper-division honors sequences in algebra and analysis. The sequences are intended for students (not necessarily mathematics majors) who desire a broad, comprehensive introduction to these topics.

Program in Computing Courses

Program in Computing 1 is designed for students who wish a broad, general introduction to the topic of computers and computation, but who have no prior experience in computing.

Courses 10A, 10B, and 10C provide an extensive introduction to programming, using the C++ language. Courses 16A, 16B, 20A, and 40A cover Python, Java, and Internet programming. They are of interest to majors in many fields, including those completing a specialization in Computing. Students should consult with their major department regarding enrollment in these courses, their relevance to their program, and suitability for use in fulfilling requisites.

Subject Matter Preparation Program for Single-Subject Credential in Mathematics

Students interested in obtaining a single-subject secondary school credential in mathematics should consult with a departmental counselor regarding the requirements for a waiver from the Mathematics California Subject Examination for Teachers (CSET), which is required by the **California Commission on Teacher Credentialing**. Students should meet with a departmental counselor as early in their undergraduate careers as possible because the program does require additional courses beyond the

major requirements. See the **Curtis Center** website for details on teaching credential requirements. For additional information, contact the Education Department credentialing specialist at 310-825-8328.

Subject Areas

Mathematics courses are in the following subject areas:

- **Mathematics**
- **Program in Computing**

Course Numbering

Mathematics courses are organized by number into the categories shown.

Course Numbers	Category
100–109	General and Teacher Training
110–119	Algebra, Number Theory, and Logic
120–129	Geometry and Topology
130–139	Analysis
140–169	Applied Mathematics
170–179	Probability
180–187	Discrete Mathematics
188–199	Special Studies
200–204	Teacher Preparations
205–209	Number Theory
210–219	Algebra
220–224	Logic and Foundations
225–239	Geometry and Foundations
240–254	Analysis and Differential Equations
255–259	Functional Analysis

260–274	Applied Mathematics
275–279	Probability and Statistics
280–599	Special Studies

Mathematics Faculty Roster

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Professors

Christopher R. Anderson, PhD
Paul Balmer, PhD
Jacob P. Bedrossian, PhD
Andrea L. Bertozzi, PhD *(Betsy Wood Knapp Professor of Innovation and Creativity)*
Marek Biskup, PhD
Don M. Blasius, PhD
Mario Bonk, PhD
P. Jeffrey Brantingham, PhD
Artem Chernikov, PhD
Tom Chou, PhD
Lara Dolecek, PhD
Richard S. Elman, PhD
Wilfrid D. Gangbo, PhD
Robert E. Greene, PhD
Michael A. Hill, PhD
Ko Honda, PhD
Chandrashekhar Khare, PhD
Mikhail Khitrik, PhD
Rowan B. Killip, PhD
Inwon C. Kim, PhD
Ker-Chau Li, PhD
Kefeng Liu, PhD
Alexander S. Merkurjev, PhD
Deanna M. Needell, PhD *(Dunn Family Endowed Professor of Data Theory)*
Itay Neeman, PhD

William I. Newman, PhD
Stanley J. Osher, PhD
Rafail Ostrovsky, PhD
Frederic R. Paik Schoenberg, PhD
Igor Pak, PhD
Peter Petersen, PhD
Sorin T. Popa, PhD
Mason A. Porter, PhD
Marcus L. Roper, PhD
Raphael A. Rouquier, PhD
Amit Sahai, PhD
Sucharit Sarkar, PhD
Hayden K. Schaeffer, PhD
Romyar T. Sharifi, PhD
Dimitri Y. Shlyakhtenko, PhD
Terence C. Tao, PhD *(James and Carol Collins Professor of Letters and Science)*
Burt Totaro, PhD
Lieven Vandenberghe, PhD
Luminita A. Vese, PhD
Monica Visan, PhD
Jun Yin, PhD
William R. Zame, PhD

Professors Emeriti

Kirby A. Baker, PhD
Russell E. Caflisch, PhD
Lennart Carleson, PhD
Tony F. Chan, PhD
Lincoln Chayes, PhD
Shiu-Yuen Cheng, PhD
William D. Duke, PhD
Robert D. Edwards, PhD
Richard S. Elman, PhD
Gregory I. Eskin, PhD
Hector O. Fattorini, PhD
Thomas S. Ferguson, PhD
Theodore W. Gamelin, PhD
John B. Garnett, PhD
David A. Gieseker, PhD
Mark L. Green, PhD
Nathaniel Grossman, PhD

Alfred W. Hales, PhD
Haruzo Hida, PhD
Robert I. Jennrich, PhD
Alan J. Laub, PhD
Gang Liu, PhD
Donald A. Martin, PhD
Yiannis N. Moschovakis, PhD
James V. Ralston, Jr., PhD
Bruce L. Rothschild, PhD
Murray M. Schacher, PhD
Roberto H. Schonmann, PhD
Masamichi Takesaki, PhD
James H. White, PhD

Associate Professors

Alyson K. Fletcher, PhD
Pavel Galashin, PhD
Chenfanfu Jiang, PhD
Georg Menz, PhD
Guido F. Montúfar, PhD

Assistant Professor

Joaquin L. Moraga, PhD

Senior Lecturer PSOE

William J. Conley, PhD

Lecturers

Helen Hsu Chan
Siddarth P. Kannan, PhD
Sanjukta Krishnagopal, PhD

Adjunct Professor

Christian Ratsch, PhD

Adjunct Assistant Professor

Mary P. Greene, MAT

Major

Applied Mathematics BS

College / School

College of Letters and Science

Department

Mathematics

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Applied Mathematics major concerns applications of mathematics to the sciences, including the life, social and physical sciences, and engineering.

Learning Outcomes

1. Strong mathematical content knowledge of single and multivariate differential and integral calculus, and differential equations
2. Ability to synthesize material, solve problems, and think abstractly
3. Familiarity with linear algebra, techniques of proof, and foundations of real analysis
4. Ability to perform basic computer programming, especially in C++

Entry to the Major

Admission

Current UCLA students need to apply for the Applied Mathematics major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Applied Mathematics pre-majors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all pre-major mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B), (2) achieve a minimum 2.5 grade-point average in the calculus sequence with no more than two repeats, (3) complete one 12-unit term in residence in regular session at UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Applied Mathematics pre-major at the time they apply for admission are automatically admitted to the pre-major.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.5 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Applied Mathematics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors, two calculus-based physics courses, one C++ programming course, and one course from general chemistry for majors or calculus-based physics.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete 10 courses as follows: Mathematics 31A or 31L, the following eight courses, and one elective course.

- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

COMPTNG 10A - Introduction to Programming

Elective

Select one course from:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

The Major

Complete 12 courses as follows:

Mathematics

Complete four courses. Select either Mathematics 131B or 132.

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 131B - Analysis

MATH 132 - Complex Analysis for Applications

MATH 142 - Mathematical Modeling

Two-Term Sequences

Select two two-term sequences from two of the following categories:

NUMERICAL ANALYSIS

MATH 151A - Applied Numerical Methods

MATH 151B - Applied Numerical Methods

PROBABILITY AND STATISTICS

Probability Theory

MATH 170A - Probability Theory I

MATH 170B - Probability Theory II

Statistics

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

DIFFERENTIAL EQUATIONS

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 135 - Ordinary Differential Equations

Electives

Select four courses from the following (appropriate courses from other departments may be substituted for some of the additional courses provided departmental consent is given before such courses are taken).

MATHEMATICS

Select from Mathematics 106 through 199.

STATISTICS

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

Honors Program

The program entails taking a specified sequence of courses as part of the major requirements, completing an approved seminar offered by the Mathematics Department or submitting an original research project, and earning an overall GPA of at least 3.6 in approved upper-division and graduate mathematics courses.

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses, with a minimum grade of C– in each course and a combined grade-point average of at least 2.0. Students must petition for admission to this program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Student Services Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Mathematics 61 or 180

Select one course from:

MATH 61 - Introduction to Discrete Structures

MATH 180 - Graph Theory

Program in Computing

Complete the following two courses:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

Program in Computing Electives

Select two courses from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 16B - Python with Applications II

COMPTNG 40A - Introduction to Programming for Internet

Mathematics Electives

Select two courses from:

Mathematics 149 through 159

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade. The 12 courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A.

Honors Program

Students who wish to graduate with departmental honors should apply for admission to the honors program in the Student Services Office. They may apply any time after completing four courses from the calculus sequence or from upper-division mathematics courses with an overall grade-point average of 3.6 or better.

Students completing the program are awarded honors at graduation; if they demonstrate exceptional achievement (i.e., at least a 3.8 GPA in upper-division mathematics courses taken for the major), they are awarded highest honors. Contact the department for more information.

Major

Data Theory BS

College / School

College of Letters and Science

Department

Statistics and Data Science

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Data Theory major is a designated capstone major. Students work in small teams to solve a large, open-ended data science problem for community- or campus-based clients. Emphasis is placed on the development and theoretical support of a statistical model or algorithmic approach. Alternatively, students

may undertake research on the foundations of data science, studying advanced topics and writing a senior thesis.

Learning Outcomes

1. Understanding of mathematical and statistical bases of most common methods of data science
2. Ability to explain in writing, with examples, how concepts of statistics and mathematics together solve real-world problems involving data
3. Skillfully manage data
4. Development, comparison, and testing of data-driven models to solve problems
5. Understanding and explanation of variability when fitting and interpreting models of real-world systems
6. Carrying out of reproducible data analysis using accepted practices of research community
7. Written and verbal communication of findings of analyses
8. Identification of areas of active research in data science
9. Insightfully address problems concerning ethics of data use and storage, including data privacy and security
10. Demonstrated mastery of concepts and skills of machine learning, modeling and supervised learning, dimension reduction and unsupervised learning, and deep learning

11. Demonstrated familiarity with numerous software tools used in statistical and data science work and research

12. Demonstrated knowledge of mathematical foundations, including pure and applied linear algebra, basic analysis, probability, and optimization theory

13. Study and evaluation of proofs of mathematical and statistical results employed in data theory

14. Work effectively in a team on a data science problem

15. Demonstrated eligibility for graduate study in applied mathematical science or statistical science

Entry to the Major

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Data Theory pre-major at the time they apply for admission are automatically admitted to the pre-major. Students must visit the student services office of either the Mathematics Department or Statistics and Data Science Department in order to petition to enter the major. All students are identified as Data Theory pre-majors until they satisfy the following minimum requirements for the major.

First-Year Students

To enter the major, students must petition after they have completed the preparation for the major courses. Students who have an overall grade-point average (GPA) of at least 3.3 in the preparation for the major courses, and have completed all preparation for the major courses before the fall quarter of their third year at UCLA, will be admitted to the major.

Students whose overall GPA is between 2.7 and 3.3, or who fail to complete the preparation courses before the fall quarter of their third year, are admitted only if space is available. All students must petition before they have earned 160 units, or by the winter quarter of their junior year, whichever comes first.

Only grades for courses that are taken at the University of California, including UC summer schools, are counted for this GPA computation.

Transfer Students

Transfer applicants to the Data Theory major are admitted to the pre-major. Applicants with 90 or more units must have completed the following by the end of the spring term prior to entry to UCLA: two years of calculus for physical science and/or engineering majors, one linear algebra course, one C++ programming course, one statistics course.

Transfer students must have completed all preparation for the major coursework, and must have passed Mathematics 42, 115A, and at least 4 units of upper-division coursework required for this major with at least a 3.3 GPA, in order to be eligible to petition to enter the major. Transfer students will be admitted to the major if they satisfy these requirements. Transfer students who fail to meet these criteria for automatic admission will be admitted only if resources allow. Transfer students must petition to enter the major no later than the spring quarter of their first year at UCLA.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students must visit the student services office of either the Mathematics Department or Statistics and Data Science Department in order to petition to enter the major.

Major Requirements

Preparation for the Major

Complete 11 courses as follows:

Required Courses

Complete the following 10 courses:

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 42 - Introduction to Data-Driven Mathematical Modeling: Life, Universe, and Everything

MATH 115A - Linear Algebra

STATS 20 - Introduction to Statistical Programming with R

STATS 21 - Python and Other Technologies for Data Science

Statistics Elective

Select one course from:

STATS 10 - Introduction to Statistical Reasoning

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

STATS 15 - Introduction to Data Science

The Major

Complete 16 courses as follows:

Required Courses

Complete the following nine courses:

MATH 118 - Mathematical Methods of Data Theory

MATH 131A - Analysis

MATH 156 - Machine Learning

STATS 101A - Introduction to Data Analysis and Regression

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 147 - Data Technologies for Data Scientists

STATS 184 - Societal Impacts of Data

Two-Quarter Sequence

Select one two-quarter sequence from:

MATHEMATICS 170E AND 170S

MATH 170E - Introduction to Probability and Statistics 1: Probability

MATH 170S - Introduction to Probability and Statistics 2: Statistics

STATISTICS 100A AND 100B

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

Mathematics Elective

Select one course from:

MATH 151A - Applied Numerical Methods

MATH 151B - Applied Numerical Methods

MATH 164 - Optimization

MATH 168 - Introduction to Networks

MATH 171 - Stochastic Processes

MATH 174E - Mathematics of Finance for Mathematics/Economics Students

MATH 178A - Foundations of Actuarial Mathematics: Life Insurance and Annuities

MATH 178B - Foundations of Actuarial Mathematics: Additional Topics in Long-Term Actuarial Mathematics

MATH 178C - Foundations of Actuarial Mathematics: Loss Models

MATH 179 - Advanced Topic in Financial Mathematics

MATH 182 - Algorithms

Statistics Elective

Select one course from the following list of courses or range:

COURSES

STATS 100C - Linear Models

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 102C - Introduction to Monte Carlo Methods

SELECT FROM STATISTICS C151 THROUGH 199 (EXCEPT STATISTICS 182, 186, OR 189).

Additional Electives

Select two additional electives from either of the preceding lists.

Capstone

Complete the following capstone course, to be taken during the final year:

MATH M148 - Experience of Data Science

STATS M148 - Experience of Data Science

Policies

Preparation for the Major Policies

Each course must be completed with a grade of C or better and an overall grade-point average of at least 2.7. All students must take Mathematics 42 at UCLA. The major is limited in size according to available resources.

Repetition of more than two mathematics or statistics sequenced courses or of any mathematics or statistics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Only 4 units of course 199 may be applied toward the major. Courses 189 and 189HC may not be applied toward any of the major requirements.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Major

Financial Actuarial Mathematics BS

College / School

College of Letters and Science

Department

Mathematics

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Financial Actuarial Mathematics major concerns the applications of mathematics to finance, the actuarial field, and related areas.

Learning Outcomes

1. Strong mathematical content knowledge of single and multivariate differential and integral calculus, and differential equations
2. Demonstrated knowledge of how to synthesize material, solve problems, and think abstractly
3. Familiarity with linear algebra, techniques of proof, and foundations of real analysis
4. Working knowledge of probability and financial and insurance mathematics at the level needed to pass the first three preliminary actuarial examinations by the Society of Actuaries
5. Strong content knowledge of the fourth and fifth preliminary examinations.
6. Familiarity with basic statistical analysis including probability distributions, random variables, survey sampling, testing, data summary, sums of squares principle, testing general linear hypothesis in regression, and inference procedures
7. Ability to perform basic computer programming, especially in C++

Entry to the Major

Admission

Current UCLA students need to apply for the Financial Actuarial Mathematics major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Financial Actuarial Mathematics pre-majors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all pre-major mathematics sequenced courses (Mathematics 31A, 31B,

32A, 32B, 33A, 33B, Program in Computing 10A) with a minimum 2.5 grade-point average and no more than two repeats, (2) achieve grades of C or better in all pre-major economics courses (Economics 1, 2, 11, Management 1A, 1B) with a minimum 2.5 grade-point average and no more than one repeat, (3) complete one 12-unit term in residence in regular session at UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Financial Actuarial Mathematics pre-major at the time they apply for admission are automatically admitted to the pre-major.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.5 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Financial Actuarial Mathematics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors, one C++ programming course, one microeconomic theory course, one macroeconomics course, and two terms of accounting principle.

Transfer credit for any of the above is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete 13 courses as follows:

Required Mathematics

Compete six courses. Select Mathematics 31A or 31AL.

- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations

Mathematics Elective

Select one course from:

- MATH 11N - Gateway to Mathematics: Number Theory
- MATH 42 - Introduction to Data-Driven Mathematical Modeling: Life, Universe, and Everything
- MATH 61 - Introduction to Discrete Structures
- MATH 70 - Introduction to Probability

Economics

Complete the following three courses:

- ECON 1 - Principles of Economics
- ECON 2 - Principles of Economics
- ECON 11 - Microeconomic Theory

Management

Complete the following course:

MGMT 1A - Principles of Accounting

Program in Computing

Complete two courses. Select Program in Computing 10B or 16A.

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 16A - Python with Applications I

The Major

Complete 12 courses as follows:

Required Courses

Complete 10 mathematics/statistics courses as follows:

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 170E - Introduction to Probability and Statistics 1: Probability

MATH 170S - Introduction to Probability and Statistics 2: Statistics

MATH 177 - Theory of Interest and Applications

MATH 178A - Foundations of Actuarial Mathematics: Life Insurance and Annuities

MATH 178B - Foundations of Actuarial Mathematics: Additional Topics in Long-Term Actuarial Mathematics

MATH 178C - Foundations of Actuarial Mathematics: Loss Models

MATH 179 - Advanced Topic in Financial Mathematics

MATHEMATICS 174E OR ECONOMICS 141 OR STATISTICS C183

Select one course from:

MATH 174E - Mathematics of Finance for Mathematics/Economics Students

ECON 141 - Topics in Microeconomics: Mathematical Finance

STATS C183 - Statistical Models in Finance

Electives

Select two courses from:

ECONOMICS

Select from Economics 101 through 199B.

MATHEMATICS

Select from Mathematics 106 through 199.

STATISTICS

STATS 100C - Linear Models

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses, with a minimum grade of C– in each course and a combined grade-point average of at least 2.0. Students must petition for admission to this program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Student Services Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Mathematics 61 or 180

Select one course from:

MATH 61 - Introduction to Discrete Structures

MATH 180 - Graph Theory

Program in Computing

Complete the following two courses:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

Program in Computing Electives

Select two courses from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

Mathematics Electives

Select two courses from:

Mathematics 149 through 159

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The economics preparation for the major courses (Economics 1, 2, 11, Management 1A) are calculated separately from the mathematics preparation for the major courses (Mathematics 11N or 42 or 61 or 70, 31A or 31AL, 31B, 32A, 32B, 33A, 33B, Program in Computing 10A, 10B or 16A).

The economics preparation courses must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course, as must the mathematics preparation courses.

Repetition of more than one economics preparation course, more than two mathematics preparation courses, or of any economics or mathematics preparation course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade. Transfer credit is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major.

To graduate, the ten Mathematics Department courses must be completed with an overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A, as must the two elective courses.

Major

Mathematics BS

College / School
College of Letters and Science

Department
Mathematics

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The Mathematics major is designed for students whose basic interest is mathematics.

Learning Outcomes

1. Strong mathematical content knowledge of single and multivariate differential and integral calculus, and differential equations
2. Ability to synthesize material, solve problems, and think abstractly
3. Familiarity with linear algebra, techniques of proof, and foundations of real analysis
4. Ability to perform basic computer programming, especially in C++

Entry to the Major

Admission

Current UCLA students need to apply for the Mathematics major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Mathematics pre-majors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all pre-major mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B), (2) achieve a minimum 2.5 grade-point average in the calculus sequence with no more than two repeats, (3) complete one 12-unit term in residence in regular session at UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Mathematics pre-major at the time they apply for admission are automatically admitted to the pre-major.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.5 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at

UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Mathematics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors, one calculus-based physics (mechanics) course, one C++ programming course, and two courses from general chemistry for majors, economics, symbolic logic, and calculus-based physics.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete 10 courses as follows: Mathematics 31A or 31L, seven required courses, and two elective courses.

- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations
- COMPTNG 10A - Introduction to Programming
- PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

Electives

Select two courses from:

- CHEM 20A - Chemical Structure
- CHEM 20B - Chemical Energetics and Change
- ECON 11 - Microeconomic Theory
- LIFESCI 7A - Cell and Molecular Biology
- PHILOS 31 - Logic, First Course
- PHILOS 132 - Logic, Second Course
- PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields
- PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity
- PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics
- PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Twelve courses as follows:

- MATH 110A - Algebra
- MATH 110B - Algebra
- MATH 115A - Linear Algebra
- MATH 120A - Differential Geometry
- MATH 131A - Analysis
- MATH 131B - Analysis
- MATH 132 - Complex Analysis for Applications

Electives

Select at least five elective courses from the following:

MATHEMATICS

Select from Mathematics 106 through 199.

STATISTICS

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

Honors Program

The program entails taking a specified sequence of courses as part of the major requirements, completing an approved seminar offered by the Mathematics Department or submitting an original research project, and earning an overall GPA of at least 3.6 in approved upper-division and graduate mathematics courses.

Computing Specialization

Majors may select a specialization in Computing by (1) satisfying all the requirements for a bachelor's degree in the specified major and (2) completing Mathematics 61 or 180, Program in Computing 10A, 10B, two courses from 10C, 15, 16A, 20A, 40A, and at least two courses from Mathematics 149 through 159, with a minimum grade of C– in each course and a combined grade-point average of at least 2.0. Students must petition for admission to this program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Student Services Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Mathematics 61 or 180

Select one course from:

MATH 61 - Introduction to Discrete Structures

MATH 180 - Graph Theory

Program in Computing

Complete the following two courses:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

Program in Computing Electives

Select two courses from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

Mathematics Electives

Select two courses from:

Mathematics 149 through 159

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade.

The 12 courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A.

Honors Program

Students who wish to graduate with departmental honors should apply for admission to the honors program in the Student Services Office. They may apply any time after completing four courses from the calculus sequence or from upper-division mathematics courses with an overall grade-point average of 3.6 or better.

Students completing the program are awarded honors at graduation; if they demonstrate exceptional achievement (i.e., at least a 3.8 GPA in upper-division mathematics courses taken for the major), they are awarded highest honors. Contact the department for more information.

Major

Mathematics for Teaching BS

College / School
College of Letters and Science

Department
Mathematics

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Mathematics for Teaching major is designed primarily for students planning to teach mathematics at the high school level. It provides exposure to a broad range of mathematical topics, especially those appropriate for the prospective teacher. Students planning to pursue graduate studies in mathematics or

related fields are encouraged to enter the Mathematics, Applied Mathematics, or Mathematics of Computation major.

Capstone Major

The Mathematics for Teaching major is a designated capstone major. In their senior year students complete a year-long course sequence that culminates in a model lesson presentation, paper, and portfolio. Through their capstone work, students demonstrate their familiarity with research and current issues in mathematics education, as well as their capacities to problem solve; reason quantitatively, geometrically, and algebraically; construct viable arguments; critique others' reasoning; and use tools strategically.

Learning Outcomes

1. Strong mathematical content knowledge
2. Sound theoretical and practical background for mathematics expected to be taught in secondary schools
3. Understanding of the importance of mathematical thinking to design teaching to imbue students with a problem-solving and analytical spirit
4. Familiarity with pedagogical research and ability to apply it to classroom work
5. Ability to effectively plan lessons
6. Preparation and experience in different modes of instruction
7. Ability to use mathematical sophistication to shape lessons

Entry to the Major

Admission

Current UCLA students need to apply for the Mathematics for Teaching major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Mathematics for Teaching pre-majors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all pre-major mathematics sequenced courses (Mathematics 31A, 31B, 32A, 32B, 33A, 33B), (2) achieve a minimum 2.5 grade-point average in the calculus sequence with no more than two repeats, (3) complete one 12-unit term in residence in regular session at UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Mathematics for Teaching pre-major at the time they apply for admission are automatically admitted to the pre-major.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.5 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Mathematics for Teaching major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors, one discrete structures course, one C++ programming course, and three courses from calculus-based physics, general chemistry for majors, and computing.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete 11 courses as follows:

Mathematics

Complete six courses. Select Mathematics 31A or 31AL.

- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations
- MATH 61 - Introduction to Discrete Structures

Physics

Select one course from:

- PHYSICS 1A - Physics for Scientists and Engineers: Mechanics
- PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

Program in Computing

Complete the following course:

- COMPTNG 10A - Introduction to Programming

Electives

Select two courses from:

CHEMISTRY

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

PHYSICS

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

PROGRAM IN COMPUTING

Select from Program in Computing 10B through 97.

The Major

Complete 13 courses as follows:

Required Courses

Complete seven courses as follows:

MATH 106 - History of Mathematics

MATH 115A - Linear Algebra

MATH 131A - Analysis

STATS 100B - Introduction to Mathematical Statistics

MATHEMATICS 110A OR 117

Select one course from:

MATH 110A - Algebra

MATH 117 - Algebra for Applications

MATHEMATICS 120A OR 123

Select one course from:

MATH 120A - Differential Geometry

MATH 123 - Foundations of Geometry

MATHEMATICS 170A OR STATISTICS 100A

Select one course from:

MATH 170A - Probability Theory I

STATS 100A - Introduction to Probability

Mathematics or Statistics Elective

Select one course from:

MATHEMATICS

Select from Mathematics 110B through 191H.

STATISTICS

STATS 100C - Linear Models

Mathematics 131B through 136

Select one course from:

MATH 131B - Analysis

MATH 131BH - Analysis (Honors)

MATH 131C - Topics in Analysis

MATH 132 - Complex Analysis for Applications

MATH 132H - Complex Analysis (Honors)

MATH 133 - Introduction to Fourier Analysis

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

Mathematics 142 through 167

Select one course from:

Mathematics 142 through 167

Capstone Series

Complete the following three-course capstone series in the senior year:

MATH 105A - Mathematics and Pedagogy for Teaching Secondary School Mathematics

MATH 105B - Mathematics and Pedagogy for Teaching Secondary School Mathematics

MATH 105C - Mathematics and Pedagogy for Teaching Secondary School Mathematics

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses with a minimum grade of C– in each course and a combined grade-point average of at least 2.0. Students must petition for admission to this program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Student Services Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Mathematics 61 or 180

Select one course from:

MATH 61 - Introduction to Discrete Structures

MATH 180 - Graph Theory

Program in Computing

Complete the following two courses:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

Program in Computing Elective

Select two courses from:

- COMPTNG 10C - Advanced Programming
- COMPTNG 15 - Introduction to Lisp and Symbolic Computation
- COMPTNG 16A - Python with Applications I
- COMPTNG 20A - Principles of Java Language with Applications
- COMPTNG 40A - Introduction to Programming for Internet

Mathematics Electives

Select two courses from:

- Mathematics 149 through 159

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade. The 13 courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A.

Major

Mathematics of Computation BS

College / School

College of Letters and Science

Department

Mathematics

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Mathematics of Computation major is for mathematics students who have a secondary interest in computing.

Learning Outcomes

1. Strong mathematical content knowledge of single and multivariate differential and integral calculus, and differential equations
2. Ability to synthesize material, solve problems, and think abstractly
3. Familiarity with linear algebra, techniques of proof, and foundations of real analysis
4. Ability to perform basic computer programming, especially in C++

Entry to the Major

Admission

Current UCLA students need to apply for the Mathematics of Computation major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Mathematics of Computation premajors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all premajor mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B), (2) achieve a minimum 2.5 grade-point average in the calculus sequence with no more than two repeats, (3) complete one 12-unit term in residence in regular session at UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Mathematics of Computation premajor at the time they apply for admission are automatically admitted to the premajor.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.5 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Mathematics of Computation major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors, one discrete structures course, two calculus-based physics courses, three programming courses, and one course from general chemistry for majors or calculus-based physics.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete thirteen courses as follows: Mathematics 31A or 31L, the following 11 courses, and one elective course.

- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MATH 61 - Introduction to Discrete Structures

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

Elective

Select one course from:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

The Major

Complete 14 courses as follows:

Mathematics

Complete 11 Mathematics Department courses as follows:

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 151A - Applied Numerical Methods

MATH 151B - Applied Numerical Methods

MATHEMATICS 131B OR 132

Select one course from:

MATH 131B - Analysis

MATH 132 - Complex Analysis for Applications

ELECTIVES

Select six courses from the following groups:

Mathematics

Select from Mathematics 106 through 199.

Statistics

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

Computer Science Electives

Complete three upper-division computer science courses (12 units).

Honors Program

The program entails taking a specified sequence of courses as part of the major requirements, completing an approved seminar offered by the Mathematics Department or submitting an original research project, and earning an overall GPA of at least 3.6 in approved upper-division and graduate mathematics courses.

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade. The 14 courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A.

Honors Program

Students who wish to graduate with departmental honors should apply for admission to the honors program in the Student Services Office. They may apply any time after completing four courses from the calculus sequence or from upper-division mathematics courses with an overall grade-point average of 3.6 or better.

Students completing the program are awarded honors at graduation; if they demonstrate exceptional achievement (i.e., at least a 3.8 GPA in upper-division mathematics courses taken for the major), they are awarded highest honors. Contact the department for more information.

Major

Mathematics/Applied Science BS

College / School
College of Letters and Science

Department
Mathematics

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The Mathematics/Applied Science major is designed for students with a substantial interest in mathematics and its applications to a particular field. It is an individual major in that students, in consultation with a faculty adviser, design their own program. They may also select one of the established

programs: mathematics/history of science plan or medical and life sciences plan. In the past, Mathematics/Applied Science majors have combined the study of mathematics with fields such as atmospheric and oceanic sciences, biochemistry, biology, chemistry, economics, geography, physics, psychology, and statistics.

Students interested in designing an individual program should meet with the undergraduate adviser, 6356 Mathematical Sciences, during their sophomore year. A proposed program is drawn up, then forwarded to the mathematics/applied science curriculum committee for approval. All programs must include the following preparation for the major and major courses.

Learning Outcomes

1. Strong mathematical content knowledge of single and multivariate differential and integral calculus, and differential equations
2. Familiarity with linear algebra, techniques of proof, and foundations of real analysis
3. Ability to synthesize material, solve problems, and think abstractly
4. Ability to perform basic computer programming, especially in C++
5. Familiarity with basic statistical analysis including probability distributions, random variables, survey sampling, testing, data summary, sums of squares principle, testing general linear hypothesis in regression, and inference procedures

Entry to the Major

Admission

Current UCLA students need to apply for the Mathematics/Applied Science major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Mathematics/Applied Science pre-majors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all pre-major mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B), (2) achieve a minimum 2.5 grade-point average in the calculus sequence with no more than two repeats, (3) complete one 12-unit term in residence in regular session at

UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Mathematics/Applied Science pre-major at the time they apply for admission are automatically admitted to the pre-major.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.5 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Mathematics/Applied Science major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors and one C++ programming course. Additional courses are required for each concentration plan.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete Mathematics 31A or 31AL and the remaining six courses. Additional preparation, varying with the individual program, may be required.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

COMPTNG 10A - Introduction to Programming

The Major

Fourteen courses as follows:

Mathematics

Select seven Mathematics Department courses from Mathematics 106 through 199.

Upper-Division Courses in Related Field

Select seven upper-division courses in a related field from one or two other departments.

Mathematics/History of Science Plan

Preparation for the Major

Complete 10 courses as follows: Mathematics 31A or 31L, the remaining six courses, and three history courses.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

COMPTNG 10A - Introduction to Programming

HISTORY ELECTIVES

Select three courses from:

HIST 2B - Social Knowledge and Social Power

HIST 3A - History of Science: Renaissance to 1800

HIST 3B - History of Science: Enlightment to 1900

HIST 3C - History of Science: 20th Century

HIST 3D - History of Modern Medicine

The Major

Complete 14 courses as follows:

MATHEMATICS

Complete eight courses as follows:

MATH 106 - History of Mathematics

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 170A - Probability Theory I

Mathematics Electives

Select three courses from Mathematics 110A through 199.

OUTSIDE COURSES

Select six outside courses from History 179A through 180C, Philosophy 124, and any upper-division Honors Collegium course with history of science/medicine content.

History

History 179A through 180C

Philosophy

PHILOS M124 - Philosophy of Science: Historical

Medical and Life Sciences Plan

Preparation for the Major

Complete Mathematics 31A or 31AL and the remaining 16 courses.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

COMPTNG 10A - Introduction to Programming

The Major

Thirteen courses as follows:

MATHEMATICS

Complete seven courses as follows:

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 151A - Applied Numerical Methods

MATH 170A - Probability Theory I

MATH 170B - Probability Theory II

Elective

Select one course from the following groups:

Mathematics

Select from Mathematics 110A through 199.

Statistics

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

OUTSIDE COURSES

Complete six courses from the following groups and any additional upper-division course from these fields with consent of the administering department and the Mathematics Department.

Neuroscience

Complete the following three courses:

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

Electives

Select three courses from:

BIOSTAT 100 - Introduction to Biostatistics

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL 133 - Elements of Theoretical and Computational Biology

EE BIOL C135 - Population Genetics

LIFESCI 107 - Genetics

PHYSCI 100 - Experimental Statistics

PHYSCI M135 - Dynamical Systems Modeling of Physiological Processes

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following courses, with a minimum grade of C– in each course and a combined grade-point average of at least 2.0. Students must petition for admission to this program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Student Services Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Mathematics 61 or 180

Select one course from:

MATH 61 - Introduction to Discrete Structures

MATH 180 - Graph Theory

Program in Computing

Complete the following two courses:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

Program in Computing Electives

Select two courses from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

Mathematics Electives

Select two courses from:

Mathematics 149 through 159

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

History of Science Plan

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

Medical and Life Sciences Plan

Each course must be taken for a letter grade. The mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B) are calculated separately from the other preparation for the major courses and must be completed with a minimum overall 2.5 grade-point average and a grade of C or better in each course. The other preparation courses must be completed with a minimum overall 2.0 grade-point average and a grade of C– or better in each course.

Repetition of more than two mathematics sequenced courses or of any mathematics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade. The seven Mathematics Department courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A, as must the seven courses outside mathematics.

At least five of the courses from the related discipline must be taken after the program has been approved. Students are not admitted to the major if they have 135 or more units by the end of the term in which they plan to enter the program.

History of Science Plan

Each course must be taken for a letter grade. The eight Mathematics Department courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A, as must the six outside courses from history, philosophy, or physiological science.

Medical and Life Sciences Plan

Each course must be taken for a letter grade. The seven Mathematics Department courses must be completed with a minimum overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A, as must the six outside courses.

Minor

Mathematics for Teaching Minor

College / School
College of Letters and Science

Department
Mathematics

Level
Undergraduate

Overview

The Mathematics for Teaching minor is designed for students majoring in fields other than mathematics who plan to teach secondary mathematics after graduation. The minor recognizes completion of requisite coursework for the Joint Mathematics Education Program and also prepares students for the contents of the California Subject Examination for Teachers (CSET). Post-bachelor credentialing programs will see that students with this minor have taken coursework on secondary mathematics from an advanced standpoint that is recommended by the Conference Board of the Mathematical Sciences and the California Commission on Teacher Credentialing. This minor is not open to students in any Mathematics Department major.

Entry to the Minor

Admission

To enter the minor, students must have completed Mathematics 115A with a grade of C or better. If Mathematics 115A was not completed at UCLA, students must show proof that they completed an equivalent course with a grade of C or better.

Minor Requirements

The Minor

Required Upper-Division Courses (29 units):

Complete seven courses as follows:

MATH 105A - Mathematics and Pedagogy for Teaching Secondary School Mathematics

MATH 105B - Mathematics and Pedagogy for Teaching Secondary School Mathematics

MATH 105C - Mathematics and Pedagogy for Teaching Secondary School Mathematics

MATH 115A - Linear Algebra

MATH 131A - Analysis

ALGEBRA

Select one course from:

MATH 110A - Algebra

MATH 117 - Algebra for Applications

GEOMETRY

Select one course from:

MATH 120A - Differential Geometry

MATH 123 - Foundations of Geometry

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade with a grade of C– or better in each, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Mathematics Minor

College / School
College of Letters and Science

Department
Mathematics

Level
Undergraduate

Overview

The Mathematics minor is designed to provide students with the opportunity to widen their background and general comprehension of the role of mathematics in various disciplines.

Entry to the Minor

Admission

To enter the minor, students must have completed all of the lower-division minor courses with grades of C or better (an overall grade-point average of 2.0 or better) and at least one upper-division mathematics course.

Minor Requirements

The Minor

Required Lower-Division Courses (12 units)

Complete the following three courses:

- MATH 32A - Calculus of Several Variables
- MATH 33A - Linear Algebra and Applications
- MATH 33B - Differential Equations

Required Upper-Division Courses (20 units)

Select at least five courses (20 units) from Mathematics 106 through 199.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade. Students must complete all lower-division courses with grades of C or better. Upper-division courses must have an overall grade-point average of 2.0 or

better that is calculated separately from the lower-division courses. Successful completion of the minor is indicated on the transcript and diploma.

Major

Mathematics MA, CPhil, PhD

College / School

College of Letters and Science

Department

Mathematics

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Master of Arts, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Mathematics MAT

College / School

College of Letters and Science

Department

Mathematics

Degree Level

Graduate

Degree Objective

Master of Arts in Teaching

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Mathematics/Economics Overview

You're now viewing the 2024-25 Catalog

Interdepartmental Program
College of Letters and Science

6363 Mathematical Sciences
Box 951555
Los Angeles, CA 90095-1555

Mathematics/Economics
310-206-1286
Program e-mail

Don M. Blasius, PhD, ***Co-Chair***
Ichiro Obara, PhD, ***Co-Chair***

In recent years economics has become increasingly dependent on mathematical methods, and the mathematical tools it employs have become more sophisticated. Mathematically competent economists, with bachelor's degrees and with advanced degrees, are needed in industry and government. Graduate programs in economics and finance programs in graduate schools of management require strong undergraduate preparation in mathematics for admission.

Mathematics/Economics Faculty Committee

You're now viewing the 2024-25 Catalog

Don M. Blasius, PhD *(Mathematics)*
Zhipeng Liao, PhD *(Economics)*
Georg Menz, PhD *(Mathematics)*
Moritz Meyer-ter-Vehn, PhD *(Economics)*
Ichiro Obara, PhD *(Economics)*
Peter Petersen, PhD *(Mathematics)*

Major

Mathematics/Economics BS

College / School

College of Letters and Science

Department

Mathematics/Economics

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Mathematics/Economics BS degree program is designed to give students a solid foundation in both mathematics and economics, stressing those areas of mathematics and statistics that are most relevant to

economics and the parts of economics that emphasize the use of mathematics and statistics. It is ideal for students who may wish to complete a higher degree in economics.

Learning Outcomes

1. Strong mathematical content knowledge of single and multivariable differential and integral calculus and differential equations
2. Familiarity with linear algebra, techniques of proof, and the foundations of real analysis
3. Ability to synthesize material, problem solve, and think abstractly
4. Ability to perform basic computer programming, especially in C++
5. Familiarity with various principles of macro- and microeconomics (analysis, institutions, policy)

Entry to the Major

Admission

Current UCLA students need to apply for the Mathematics/Economics major by filing a petition with the Student Services Office in 6356 Mathematical Sciences. All students are identified as Mathematics/Economics pre-majors until they satisfy the following minimum requirements for the major: (1) achieve grades of C or better in all pre-major mathematics sequenced courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B, 61, Program in Computing 10A) with a minimum 2.7 grade-point average and no more than two repeats, (2) achieve grades of C or better in all pre-major economics courses (Economics 1, 2, 11) with a minimum 2.7 grade-point average and no more than one repeat, (3) complete one 12-unit term in residence in regular session at UCLA, (4) be enrolled in UCLA regular session at the time of application, and (5) file a petition to declare the major before completing 160 quarter units.

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Mathematics/Economics pre-major at the time they apply for admission are automatically admitted to the pre-major.

First-Year Students

To enter the major, students must petition after they have completed the six sequenced courses with a 2.7 minimum overall grade-point average, have completed one 12-unit term in residence in regular session at UCLA, are enrolled in UCLA regular session at the time of application, and before completing 160 quarter units.

Transfer Students

Transfer applicants to the Mathematics/Economics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two years of calculus for majors, one introduction to discrete structures course, one microeconomic theory course, one macroeconomics course, and one C++ programming course.

Transfer credit for any of the above is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Student Services Office after completing one 12-unit term in residence in regular session at UCLA, and while enrolled in UCLA regular session at the time of application.

Major Requirements

Preparation for the Major

Complete 11 courses, and one Writing II course. Select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

MATH 61 - Introduction to Discrete Structures

ECON 1 - Principles of Economics

ECON 2 - Principles of Economics

ECON 11 - Microeconomic Theory

COMPTNG 10A - Introduction to Programming

Writing II

Complete any one Writing II course.

The Major

Complete 14 courses as follows:

Mathematics

Complete eight courses as follows:

MATH 115A - Linear Algebra

MATH 131A - Analysis

MATH 131B - Analysis

MATH 164 - Optimization

MATH 170E - Introduction to Probability and Statistics 1: Probability

MATH 170S - Introduction to Probability and Statistics 2: Statistics

MATHEMATICS 174E OR ECONOMICS 141 OR STATISTICS C183

Select one course from:

MATH 174E - Mathematics of Finance for Mathematics/Economics Students

ECON 141 - Topics in Microeconomics: Mathematical Finance

STATS C183 - Statistical Models in Finance

MATHEMATICS ELECTIVE

Select one course from:

MATH 134 - Linear and Nonlinear Systems of Differential Equations

MATH 135 - Ordinary Differential Equations

MATH 136 - Partial Differential Equations

MATH 171 - Stochastic Processes

Economics

Complete six courses as follows:

ECON 101 - Microeconomic Theory

ECON 102 - Macroeconomic Theory

ECON 103 - Introduction to Econometrics

ECON 103L - Econometrics Laboratory

ECONOMICS ELECTIVES

Select two courses from Economics 106E through 199B.

Honors Program

To qualify for honors at graduation, students must (1) complete Mathematics 115AH, 131AH, and 131BH, (2) complete Economics 198A and 198B (the thesis process requires enrollment in a two-term sequence for economics courses), (3) present the thesis in Economics 198B, and (4) complete the major requirements with a minimum 3.5 grade-point average in both the upper-division economics and mathematics courses.

Mathematics Honors Courses

Complete the following three courses:

MATH 115AH - Linear Algebra (Honors)

MATH 131AH - Analysis (Honors)

MATH 131BH - Analysis (Honors)

Economics Honors Research

The thesis process requires enrollment in a two-term sequence for economics courses.

ECON 198A - Honors Research in Economics I

ECON 198B - Honors Research in Economics II

Computing Specialization

Majors in Mathematics/Economics may select a Computing specialization by satisfying all the requirements for a bachelor's degree in the major; and completing the following courses, with a minimum grade of C– in each course and a combined grade-point average of at least 2.0. Students must petition for admission to the program and are advised to do so after they complete Program in Computing 10B (petitions should be filed in the Mathematics Department Student Services Office). Students graduate with a bachelor's degree in mathematics/economics and a specialization in Computing.

Mathematics 61 or 180

Select one course from:

MATH 61 - Introduction to Discrete Structures

MATH 180 - Graph Theory

Program in Computing

Complete the following two courses:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

Program in Computing Electives

Select two courses from:

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

Mathematics Electives

Select two courses from:

Mathematics 149 through 159

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. The economics preparation for the major courses (Economics 1, 2, 11) are calculated separately from the mathematics preparation for the major courses (Mathematics 31A or 31AL, 31B, 32A, 32B, 33A, 33B, 61, Program in Computing 10A). The economics preparation courses must be completed with a minimum overall 2.7 grade-point average and a grade of C or better in each course, as must the mathematics preparation courses. Students must receive a grade of C or better in the Writing II course.

Repetition of more than one economics preparation course, more than two mathematics preparation courses, or of any economics or mathematics preparation course more than once results in automatic dismissal from the major.

The Major Policies

Each course must be taken for a letter grade. Transfer credit is subject to department approval; consult with an undergraduate counselor before enrolling in any courses for the major.

To graduate, the eight Mathematics Department courses must be completed with an overall grade-point average of 2.0, with grades of C– or better in Mathematics 115A and 131A, as must the five courses from the Economics Department, with grades of C– or better in Economics 101 and 102.

Honors Program

Students who wish to graduate with departmental honors should apply for admission to the honors program in the Mathematics Department Student Services Office. They may apply any time after completing the preparation for the major courses and meeting the following requirements: (1) be officially enrolled in the Mathematics/Economics major, (2) complete all the preparation for the major courses, (3) achieve a minimum 3.5 grade-point average in the mathematics preparation for the major courses, (4) achieve a minimum 3.5 grade-point average in the economics preparation for the major courses, and (5) achieve a minimum 3.5 grade-point average in Economics 11, 101, and 102.

Highest honors are awarded at the discretion of the departmental honors committee based on grade-point average and quality of the senior thesis.

Mechanical and Aerospace Engineering Overview

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Henry Samueli School of Engineering and Applied Science

48-121 Engineering IV
Box 951597
Los Angeles, CA 90095-1597

Mechanical and Aerospace Engineering
310-825-7793
Message Center

Xiaolin Zhong, PhD, ***Chair***
Jonathan B. Hopkins, PhD, ***Vice Chair***
Yongjie Hu, PhD, ***Vice Chair***

The Department of Mechanical and Aerospace Engineering offers curricula in Aerospace Engineering and Mechanical Engineering at both the undergraduate and graduate levels. The scope of the departmental research and teaching program is broad, encompassing design, robotics, and manufacturing; fluid mechanics; micro-nano engineering; structural and solid mechanics; systems control; and thermal science and engineering. The applications of mechanical and aerospace engineering are quite diverse, including aircraft, spacecraft, automobiles, energy and propulsion systems, robotics, machinery, manufacturing and materials processing, microelectronics, biological systems, and more.

Mechanical and Aerospace Engineering Faculty Roster

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Professors

Andrea L. Bertozzi, PhD *(Betsy Wood Knapp Professor of Innovation and Creativity)*
Robert N. Candler, PhD
Gregory P. Carman, PhD *(Ben Rich-Lockheed Martin Professor of Advanced Aerospace Technologies)*
Yong Chen, PhD
Eric Pei-Yu Chiou, PhD
Dino Di Carlo, PhD *(Armond and Elena Hairapetian Professor of Engineering and Medicine)*
Jeffrey D. Eldredge, PhD
Timothy S. Fisher, PhD *(John P. and Claudia H. Schauerman Endowed Professor of Engineering)*
Elisa Franco, PhD
Rajit Gadh, PhD
Vijay Gupta, PhD
Dennis W. Hong, PhD
Jonathan B. Hopkins, PhD
Yongjie Hu, PhD
Tetsuya Iwasaki, PhD
Anya R. Jones, PhD
Y. Sungtaek Ju, PhD
Ann R. Karagozian, PhD *(Collins Aerospace Term Professor of Innovation)*
H. Pirouz Kavehpour, PhD
Chang-Jin Kim, PhD *(Volgenau Endowed Professor of Engineering)*
Xiaochun Li, PhD *(Raytheon Company Professor of Mechanical Engineering)*

Jaime Marian, PhD
Robert T. M'Closkey, PhD
Ali Mosleh, PhD, NAE *(Evalyn Knight Professor of Engineering)*
Sriram Narasimhan, PhD
Laurent G. Pilon, PhD
Jacob Rosen, PhD
Veronica J. Santos, PhD
Jason L. Speyer, PhD
Kunihiko (Sam) Taira, PhD
Tsu-Chin Tsao, PhD
Xiaolin Zhong, PhD

Professors Emeriti

Mohamed A. Abdou, PhD
Oddvar O. Bendiksen, PhD
Vijay K. Dhir, PhD
Peretz P. Friedmann, ScD
Nasr M. Ghoniem, PhD
James S. Gibson, PhD
H. Thomas Hahn, PhD *(Raytheon Company Professor Emeritus of Manufacturing Engineering)*
Chih-Ming Ho, PhD *(Ben Rich Lockheed Martin Professor Emeritus of Aeronautics)*
J. John Kim, PhD *(Rockwell Collins Professor Emeritus of Engineering)*
Adrienne G. Lavine, PhD
Ajit K. Mal, PhD
Anthony F. Mills, PhD
D. Lewis Mingori, PhD
Peter A. Monkewitz, PhD
Philip F. O'Brien, MS
Owen I. Smith, PhD
Richard E. Stern, PhD
Russell A. Westmann, PhD
Daniel C.H. Yang, PhD

Associate Professors

M. Khalid Jawed, PhD
Lihua Jin, PhD
Ankur M. Mehta, PhD
Raymond M. Spearrin, PhD
Xiaoyu (Rayne) Zheng, PhD

Assistant Professors

Tyler R. Clites, PhD
Artur R. Davoyan, PhD
Anushri Dixit, PhD
Neil Y.C. Lin, PhD
Brett T. Lopez, PhD

Lecturers

Ravnesh C. Amar, PhD
Amiya K. Chatterjee, PhD
Damian M. Toohey, PhD

Adjunct Professors

Portonovo S. Ayyaswamy, PhD
S. Amir Faghri, PhD
Dan M. Goebel, PhD
Vinay K. Goyal, PhD
Wilbur J. Marner, PhD
Abdon E. Sepulveda, PhD

Adjunct Associate Professor

Audrey P. O'Neal, PhD

Major

Aerospace Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Mechanical and Aerospace Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The aerospace engineering program is concerned with the design and construction of various types of fixed-wing and rotary-wing (helicopters) aircraft used for air transportation and national defense. It is also

concerned with the design and construction of spacecraft, the exploration and utilization of space, and related technological fields.
Aerospace engineering is characterized by a very high level of technology. The aerospace engineer is likely to operate at the forefront of scientific discoveries, often stimulating these discoveries and providing the inspiration for the creation of new scientific concepts. Meeting these demands requires the imaginative use of many disciplines, including fluid mechanics and aerodynamics, structural mechanics, materials and aeroelasticity, dynamics, control and guidance, propulsion, and energy conversion.
The aerospace engineering program is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Aerospace Engineering major is a designated capstone major. Within their capstone courses, Aerospace Engineering students are exposed to the conceptual and design phases for aircraft development and produce a structural design of a component, such as a lightweight aircraft wing. Graduates should be able to apply their knowledge of mathematics, science, and engineering in technical systems; design a system, component, or process to meet desired needs; function as productive members of a team; identify, formulate, and solve engineering problems; and communicate effectively, both orally and in writing.

Learning Outcomes

1. Application of knowledge of mathematics, science, and engineering
2. Function as a productive member of a team that considers multiple aspects of an engineering problem
3. Design of a system, component, or process to meet desired needs
4. Effective oral and written communication
5. Identification, formulation, and solution of engineering problems

Major Requirements

Preparation for the Major

Complete the following 14 courses and either Mechanical and Aerospace Engineering M20 or Computer Science 31:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MECH&AE 82 - Mathematics of Engineering

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Mechanical and Aerospace Engineering M20 or Computer Science 31

Select one course from:

COM SCI 31 - Introduction to Computer Science I

MECH&AE M20 - Introduction to Computer Programming with MATLAB

The Major

Complete 23 courses as follows:

Required Courses

Complete the following 11 courses:

- MECH&AE 1 - Undergraduate Seminar
- MECH&AE 101 - Statics and Strength of Materials
- MECH&AE 102 - Dynamics of Particles and Rigid Bodies
- MECH&AE 103 - Elementary Fluid Mechanics
- MECH&AE 105A - Introduction to Engineering Thermodynamics
- MECH&AE 105D - Transport Phenomena
- MECH&AE 107 - Introduction to Modeling and Analysis of Dynamic Systems
- MECH&AE 150A - Intermediate Fluid Mechanics
- MECH&AE 157 - Basic Mechanical and Aerospace Engineering Laboratory
- MECH&AE 166A - Analysis of Aerospace Structures
- MECH&AE 171A - Introduction to Feedback and Control Systems: Dynamic Systems Control I

Departmental Breadth Courses

Complete the following two departmental breadth courses (if one or both of these courses are taken as part of the technical breadth requirement, students must select a replacement upper-division course or courses from the department—except for Mechanical and Aerospace Engineering 156A—or, by petition, from outside the department).

- EC ENGR 100 - Electrical and Electronic Circuits
- MAT SCI 104 - Science of Engineering Materials

Tracks

Select one of the following tracks:

AERONAUTICS

- MECH&AE 150B - Aerodynamics

MECH&AE C150P - Aircraft Propulsion Systems

MECH&AE 154A - Preliminary Design of Aircraft

MECH&AE 154S - Flight Mechanics, Stability, and Control of Aircraft

SPACE

MECH&AE C150R - Rocket Propulsion Systems

MECH&AE 161A - Introduction to Astronautics

MECH&AE 161B - Introduction to Space Technology

MECH&AE 161C - Spacecraft Design

Technical Breadth

Select three technical breadth courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

Capstone Design

Complete the following course:

MECH&AE 157A - Aerospace Design Laboratory

Major Field Elective

Select one major field elective course (4 units) from the track not chosen:

AERONAUTICS

MECH&AE 150B - Aerodynamics

MECH&AE C150P - Aircraft Propulsion Systems

SPACE

MECH&AE C150R - Rocket Propulsion Systems

MECH&AE 161A - Introduction to Astronautics

Additional Major Field Elective

Select one major field elective course (4 units) from the following. Courses applied as a required course may not be applied.

MECH&AE 94 - Introduction to Computer-Aided Design and Drafting

MECH&AE 131A - Intermediate Heat Transfer

MECH&AE C131G - Microscopic Energy Transport

MECH&AE 133A - Engineering Thermodynamics

MECH&AE 135 - Fundamentals of Nuclear Science and Engineering

MECH&AE C136 - Energy and Environment

MECH&AE C137 - Design and Analysis of Smart Grids

MECH&AE C138 - Introduction to Statistical Thermodynamics

MECH&AE CM140 - Introduction to Biomechanics

MECH&AE 150B - Aerodynamics

MECH&AE 150C - Combustion Systems

MECH&AE C150G - Fluid Dynamics of Biological Systems

MECH&AE C150R - Rocket Propulsion Systems

MECH&AE 154B - Design of Aerospace Structures

MECH&AE 154S - Flight Mechanics, Stability, and Control of Aircraft

MECH&AE 155 - Intermediate Dynamics

MECH&AE C156B - Mechanical Design for Power Transmission

MECH&AE 161A - Introduction to Astronautics

MECH&AE 161B - Introduction to Space Technology

MECH&AE 161C - Spacecraft Design

MECH&AE 162A - Introduction to Mechanisms and Mechanical Systems

MECH&AE C162B - Compliant Mechanism Design

MECH&AE C163A - Kinematics of Robotic Systems

MECH&AE C163B - Dynamics of Robotic Systems

MECH&AE C163C - Control of Robotic Systems

MECH&AE 166C - Design of Composite Structures

MECH&AE M168 - Introduction to Finite Element Methods

MECH&AE 169A - Introduction to Mechanical Vibrations

MECH&AE 171B - Digital Control of Physical Systems

MECH&AE 172 - Control System Design Laboratory

MECH&AE 174 - Probability and Its Applications to Risk, Reliability, and Quality Control

MECH&AE C175A - Probability and Stochastic Processes in Dynamical Systems

MECH&AE 181A - Complex Analysis and Integral Transforms

MECH&AE 182B - Mathematics of Engineering

MECH&AE 182C - Numerical Methods for Engineering Applications

MECH&AE 183A - Introduction to Manufacturing Processes

MECH&AE M183B - Introduction to Microscale and Nanoscale Manufacturing

MECH&AE C183C - Rapid Prototyping and Manufacturing

MECH&AE 185 - Introduction to Radio Frequency Identification and Its Application in Manufacturing and Supply Chain

MECH&AE C186 - Applied Optics

MECH&AE C187L - Nanoscale Fabrication, Characterization, and Biodetection Laboratory

Policies

The Major Policies

List of technical breadth courses available in the **Office of Academic and Student Affairs**.

For information on UC, school, and general education requirements, see the **Samueli school** section in College and Schools.

Major

Mechanical Engineering BS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Mechanical and Aerospace Engineering

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The mechanical engineering program is designed to provide basic knowledge in thermodynamics, fluid mechanics, heat transfer, solid mechanics, mechanical design, dynamics, control, mechanical systems,

manufacturing, and materials. The program includes fundamental subjects important to all mechanical engineers.

The mechanical engineering program is accredited by the Engineering Accreditation Commission of ABET.

Capstone Major

The Mechanical Engineering major is a designated capstone major. Within their capstone courses, Mechanical Engineering students work in teams to propose, design, analyze, and build a mechanical or electromechanical device. Graduates should be able to apply their knowledge of mathematics, science, and engineering in technical systems; design a system, component, or process to meet desired needs; function as productive members of a team; identify, formulate, and solve engineering problems; and communicate effectively, both orally and in writing.

Learning Outcomes

1. Application of knowledge of mathematics, science, and engineering
2. Function as a productive member of a team that considers multiple aspects of an engineering problem
3. Design of a system, component, or process to meet desired needs
4. Effective oral and written communication
5. Identification, formulation, and solution of engineering problems

Major Requirements

Preparation for the Major

Complete the following 14 courses and either Mechanical and Aerospace Engineering M20 or Computer Science 31:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MECH&AE 82 - Mathematics of Engineering

MECH&AE 94 - Introduction to Computer-Aided Design and Drafting

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Mechanical and Aerospace Engineering M20 or Computer Science 31

Select one course from:

COM SCI 31 - Introduction to Computer Science I

MECH&AE M20 - Introduction to Computer Programming with MATLAB

The Major

Complete 22 courses as follows:

Required Courses

Complete 13 courses as follows:

EC ENGR 110L - Circuit Measurements Laboratory

MECH&AE 101 - Statics and Strength of Materials

MECH&AE 102 - Dynamics of Particles and Rigid Bodies

MECH&AE 103 - Elementary Fluid Mechanics

MECH&AE 105A - Introduction to Engineering Thermodynamics

MECH&AE 105D - Transport Phenomena

MECH&AE 107 - Introduction to Modeling and Analysis of Dynamic Systems

MECH&AE 156A - Advanced Strength of Materials

MECH&AE 157 - Basic Mechanical and Aerospace Engineering Laboratory

MECH&AE 162A - Introduction to Mechanisms and Mechanical Systems

MECH&AE 171A - Introduction to Feedback and Control Systems: Dynamic Systems Control I

MECHANICAL AND AEROSPACE ENGINEERING 131A OR 133A

Select one course from:

MECH&AE 131A - Intermediate Heat Transfer

MECH&AE 133A - Engineering Thermodynamics

MECHANICAL AND AEROSPACE ENGINEERING 183A OR M183B

Select one course from:

MECH&AE 183A - Introduction to Manufacturing Processes

MECH&AE M183B - Introduction to Microscale and Nanoscale Manufacturing

Departmental Breadth Courses

Complete the following two departmental breadth courses (if one or both of these courses are taken as part of the technical breadth requirement, students must select a replacement upper-division course or courses from the department—except for Mechanical and Aerospace Engineering 166A—or, by petition, from outside the department).

EC ENGR 100 - Electrical and Electronic Circuits

MAT SCI 104 - Science of Engineering Materials

Technical Breadth Courses

Select three technical breadth courses (12 units) from an approved list available in the Office of Academic and Student Affairs.

Capstone Design

Complete the following two courses:

MECH&AE 162D - Mechanical Engineering Design I

MECH&AE 162E - Mechanical Engineering Design II

Major Field Electives

Select two major field elective courses (8 units) from the following list. Courses applied as a required course may not be applied.

MECH&AE 131A - Intermediate Heat Transfer

MECH&AE C131G - Microscopic Energy Transport

MECH&AE 133A - Engineering Thermodynamics

MECH&AE 135 - Fundamentals of Nuclear Science and Engineering

MECH&AE C136 - Energy and Environment

MECH&AE C137 - Design and Analysis of Smart Grids

MECH&AE C138 - Introduction to Statistical Thermodynamics

MECH&AE CM140 - Introduction to Biomechanics

MECH&AE 150A - Intermediate Fluid Mechanics

MECH&AE 150B - Aerodynamics

MECH&AE 150C - Combustion Systems

MECH&AE C150G - Fluid Dynamics of Biological Systems

MECH&AE C150P - Aircraft Propulsion Systems

MECH&AE C150R - Rocket Propulsion Systems

MECH&AE 154B - Design of Aerospace Structures

MECH&AE 154S - Flight Mechanics, Stability, and Control of Aircraft

MECH&AE 155 - Intermediate Dynamics

MECH&AE C156B - Mechanical Design for Power Transmission

MECH&AE 157A - Aerospace Design Laboratory

MECH&AE 161A - Introduction to Astronautics

MECH&AE 161B - Introduction to Space Technology

MECH&AE 161C - Spacecraft Design

MECH&AE C162B - Compliant Mechanism Design

MECH&AE C163A - Kinematics of Robotic Systems

MECH&AE C163B - Dynamics of Robotic Systems

MECH&AE C163C - Control of Robotic Systems

MECH&AE 166C - Design of Composite Structures

MECH&AE M168 - Introduction to Finite Element Methods

MECH&AE 169A - Introduction to Mechanical Vibrations

MECH&AE 171B - Digital Control of Physical Systems

MECH&AE 172 - Control System Design Laboratory

MECH&AE 174 - Probability and Its Applications to Risk, Reliability, and Quality Control

MECH&AE C175A - Probability and Stochastic Processes in Dynamical Systems

MECH&AE 181A - Complex Analysis and Integral Transforms

MECH&AE 182B - Mathematics of Engineering

MECH&AE 182C - Numerical Methods for Engineering Applications

MECH&AE 183A - Introduction to Manufacturing Processes

MECH&AE M183B - Introduction to Microscale and Nanoscale Manufacturing

MECH&AE C183C - Rapid Prototyping and Manufacturing

MECH&AE 185 - Introduction to Radio Frequency Identification and Its Application in Manufacturing and Supply Chain

MECH&AE C186 - Applied Optics

MECH&AE C187L - Nanoscale Fabrication, Characterization, and Biodetection Laboratory

Policies

The Major Policies

List of technical breadth courses available in the **Office of Academic and Student Affairs**.

For information on UC, school, and general education requirements, see the **Samueli school** section in College and Schools.

Major

Aerospace Engineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Mechanical and Aerospace Engineering

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Manufacturing Engineering MS

College / School

Henry Samueli School of Engineering and Applied Science

Department

Mechanical and Aerospace Engineering

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Mechanical Engineering MS, PhD

College / School

Henry Samueli School of Engineering and Applied Science

Department

Mechanical and Aerospace Engineering

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Medicine Overview

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David Geffen School of Medicine

37-121 Center for Health Sciences
Box 951736
Los Angeles, CA 90095-1736

Medicine
310-267-3144

E. Dale Abel, MD, PhD, ***Chair and Executive Medical Director***
Gregory A. Brent, MD, ***Senior Vice Chair, Academic Affairs***
Tisha S. Wang, MD, ***Senior Vice Chair, Clinical Services***
José J. Escarce, MD, PhD, ***Executive Vice Chair, Academic Affairs***
Judith S. Currier, MD, MSc, ***Vice Chair, Research***
Jodi L. Friedman, MD, ***Vice Chair, Education***

The Department of Medicine is committed to training future physician leaders with the skills needed to drive innovation, transform patient care, and advance health for all.

Students learn medical diagnosis and management through a combination of didactic instruction and hands-on clinical experiences under the guidance and mentorship of esteemed faculty and internal medicine trainees. They develop skills in history taking, physical examination, and diagnostic reasoning that empower them to develop comprehensive diagnoses and evidence-based treatment plans.

During the third and fourth years, students focus on progressively advancing clinical experiences in diverse settings and with multidisciplinary teams in hospital wards and outpatient clinics. Through these experiences, they refine their clinical skills, expand their medical knowledge, and strengthen their clinical decision-making abilities.

The department also offers a wide variety of clinical clerkships that expose students to general and subspecialty ambulatory and hospital-based internal medicine. The clerkships are conducted at major affiliated medical centers and provide students exposure to diverse patient populations throughout the region.

In the Medicine Department, students learn in a community that values leadership, equity, accountability, discovery, excellence, respect, and service. They become leaders who will drive the future of medicine and health sciences.

For more details on the Department of Medicine and courses offered, see the **department website**.

Medicine **faculty information** is available from the department.

Major

Doctor of Medicine

College / School
David Geffen School of Medicine

Department
Medicine

Degree Level

Graduate

Degree Objective

Doctor of Medicine

Overview

Information about the program, how to apply, and requirements is available on the school website.

Articulated Degree Programs

0249 - Education MA, PhD

02F9 - Master of Legal Studies

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Microbiology, Immunology, and Molecular Genetics Overview

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College of Letters and Science and
David Geffen School of Medicine

1602G Molecular Sciences Building
Box 951489
Los Angeles, CA 90095-1489

Microbiology, Immunology, and Molecular Genetics
310-825-1773

Jerome H. Zack, PhD, ***Chair***
Steven J. Bensinger, VMD, PhD, ***Vice Chair, Academic Personnel***
Elissa A. Hallem, PhD, ***Vice Chair, Graduate Affairs***
April D. Pyle, PhD, ***Vice Chair, Undergraduate Education***

Microbiology at UCLA is a diverse science that includes bacteriology, virology, immunology, genetics, molecular biology, and the study of single cells. The science has its roots in the fundamental human needs of health, nutrition, and environmental control, and it provides students with opportunities for study in the basic biological fields of genetics and cellular and molecular biology.

Microbiology, Immunology, and Molecular Genetics Faculty Roster

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Professors

Frank U. Alber, PhD
Steven J. Bensinger, VMD, PhD *(Sherie and Donald Morrison Professor of Immunology)*
Douglas L. Black, PhD
Peter J. Bradley, PhD
Manish J. Butte, MD, PhD
Yvonne Y. Chen, PhD
James S. Economou, MD, PhD *(Louis D. Beaumont Professor of Surgery)*
Elissa A. Hallem, PhD
Kent L. Hill, PhD
Alexander Hoffmann, PhD *(Thomas M. Asher Endowed Professor of Microbiology)*
Marcus A. Horwitz, MD
Patricia J. Johnson, PhD
Donald B. Kohn, MD
Aldons J. Lusis, PhD
Megan M. McEvoy, PhD
M. Carrie Miceli, PhD
Jeffery F. Miller, PhD *(Fred Kavli Professor of Nanosystems Sciences)*
Robert L. Modlin, MD *(Arnold W. Klein, MD Professor of Dermatology)*
Manuel L. Penichet, MD, PhD
April D. Pyle, PhD *(George and Nouhad Ayoub Professor of Life Science Innovation)*
Stephen T. Smale, PhD *(Sherie L. Morrison Professor of Microbiology, Immunology and Molecular Genetics)*

Maureen A. Su, MD
Hung Ton-That, PhD
Owen N. Witte, MD *(President's Professor of Developmental Immunology)*
Gerard C.L. Wong, PhD
Lili Yang, PhD
Otto O.Yang, MD
Jerome A. Zack, PhD *(M. Philip Davis Professor of Microbiology and Immunology)*
Z. Hong Zhou, PhD

Professors Emeriti

Arnold J. Berk, MD *(Presidential Professor Emeritus of Molecular Cell Biology)*
Benjamin Bonavida, PhD
David A. Campbell, PhD
Irvin S.Y. Chen, PhD
Genhong Cheng, PhD
Asim Dasgupta, PhD
Lawrence T. Feldman, PhD
C. Fred Fox, PhD
Robert P. Gunsalus, PhD
Rafael J. Martinez, PhD
Otoniel M. Martinez-Maza, PhD
Jeffrey H. Miller, PhD
Sherie L. Morrison, PhD
Debi P. Nayak, BVSc, PhD
Larry Simpson, PhD
Ronald H. Stevens, PhD
Fuyuhiko Tamanoi, PhD
Christel H. Uittenbogaart, MD
T. Randolph Wall, PhD
Felix O. Wettstein, PhD
Bernadine J. Wisnieski, PhD

Associate Professors

Oliver I. Fregoso, PhD
Elaine Y. Hsiao, PhD *(De Logi Professor of Biological Sciences)*
Beth A. Lazazzera, PhD
Melody Man Hing Li, PhD
Timothy E. O'Sullivan, PhD

Assistant Professors

Mehdi Bouhaddou, PhD
Anthony J. Covarrubias, PhD
Theodore S. Nowicki, MD, PhD, *in Residence*
Lena F. Pernas, PhD

Adjunct Assistant Professors

Andrey N. Damianov, PhD
Zulema Romero-Garcia, PhD
Jing Wen, PhD

Major

Microbiology, Immunology, and Molecular Genetics BS

College / School

College of Letters and Science

Department

Microbiology, Immunology, and Molecular Genetics

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

Undergraduate students majoring in Microbiology, Immunology, and Molecular Genetics prepare for careers in biomedical research, medicine, dentistry, or other health professions, biotechnology and genetic engineering, industrial microbiology, agricultural or environmental sciences, public health, and law or bioethics, among others. The courses presented by the department lead to a Bachelor of Science degree and depend heavily on preparation in the biological sciences, chemistry, physics, and mathematics.

Learning Outcomes

1. Demonstrated knowledge of key disciplinary concepts
2. Address scientific questions or solve problems using quantitative, computational, and inquiry-related skills, including developing hypotheses, designing and performing experiences, analyzing data, and interpreting results
3. Execution of database searches for scientific literature and bioinformatics data related to investigatory tasks
4. Reading, analysis, and use of scientific papers in the development of research projects, in discussions with peers and mentors, and as evidence to substantiate conclusions in written assignments
5. Effective written and oral communication skills
6. Work effectively in individual and collaborative contexts
7. Value research and its relevance to one's own life and society

Entry to the Major

Transfer Students

Transfer applicants to the Microbiology, Immunology, and Molecular Genetics major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences or 7A, 7B, and 7C; one year of calculus; one year of general chemistry with laboratory for majors; and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Students intending to major in Microbiology, Immunology, and Molecular Genetics may seek counseling and petition to enter the major in the Student Affairs Office, 1602B Molecular Sciences.

Major Requirements

Preparation for the Major

Life Sciences Core Curriculum

CHEMISTRY

Select one series from:

Chemistry 14 series

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEM 14C - Structure of Organic Molecules

CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 series

Students may select either Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Mathematics 31 series

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Two plans are offered by the department.

Plan I—Research Immersion Laboratory

Complete 10 courses as follows:

FOUNDATION

Complete the following five courses. Select either Chemistry 153B or Microbiology 132.

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

LIFESCI 107 - Genetics

MIMG 101 - Introductory Microbiology

MIMG 132 - Cell Biology of Nucleus

MIMG 185A - Immunology

MICROBIOLOGY RESEARCH

Complete two courses from one of the following groups:

Microbiology 103AL and 103BL

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 103BL - Advanced Research Analysis in Virology

Microbiology 109AL and 109BL

MIMG 109AL - Research Immersion Laboratory in Microbiology

MIMG 109BL - Advanced Research Analysis in Microbiology

FOCUS ELECTIVES

Select two courses from:

CHEM 153L - Biochemical Methods I

MIMG 102 - Introductory Virology

MIMG 105 - Biological Microscopy

MIMG 106 - Molecular and Genetic Basis of Bacterial Infections

MIMG 107 - Viral Pathogenesis

MIMG 132 - Cell Biology of Nucleus

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG CM256 - Human Genetics and Genomics

MCD BIO 138 - Developmental Biology

MCD BIO 165A - Biology of Cells

GENERAL ELECTIVE

Select one additional course from the focus electives list or from the following list. Microbiology 199 may be taken once.

BIOENGR 100 - Bioengineering Fundamentals

BIOENGR CM145 - Molecular Biotechnology for Engineers

BIOENGR CM178 - Introduction to Biomaterials

BIOSTAT 100 - Introduction to Biostatistics

CHEM 103 - Environmental Chemistry

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM M117 - Structure, Patterns, and Polyhedra

CHEM 136 - Organic Structural Methods

CHEM C140 - Bionanotechnology

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

CHEM 153C - Biochemistry: Biosynthetic and Energy Metabolism and Its Regulation

CHEM 153L - Biochemical Methods I

CHEM 154 - Biochemical Methods II

CHEM 156 - Physical Biochemistry

CHEM 171 - Intermediate Inorganic Chemistry

CHEM C172 - Advanced Inorganic Chemistry

CHEM C181 - Polymer Chemistry

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

EE BIOL 121 - Molecular Evolution

EE BIOL C135 - Population Genetics

EE BIOL 137 - Chemical Communication

EE BIOL 162 - Plant Physiology

EPIDEM 100 - Principles of Epidemiology

HUM GEN C144 - Genomic Technology

MIMG C122 - Mouse Molecular Genetics

MIMG 174 - Advanced Topics in Molecular Parasitology

MIMG C185B - Advanced Immunology and Applications

MIMG 191H - Honors Research Seminars: Microbiology, Immunology, and Molecular Genetics

MIMG 198C - Honors Research in Microbiology, Immunology, and Molecular Genetics

MIMG 199 - Directed Research in Microbiology, Immunology, and Molecular Genetics

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 104AL - Research Immersion Laboratory in Developmental Biology

MCD BIO 138 - Developmental Biology

MCD BIO M140 - Cancer Cell Biology

MCD BIO C141 - Molecular Basis of Plant Differentiation and Development

MCD BIO 143 - Developmental Biology: Genetic Control of Organogenesis

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO C150 - Plant Communication

MCD BIO 165A - Biology of Cells

MCD BIO 168 - Stem Cell Biology

MCD BIO 172 - Genomics and Bioinformatics

MCD BIO M175A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

MCD BIO M175B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

MCD BIO M175C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PHYSCI 121 - Disease Mechanisms and Therapies

PHYSCI 124 - Molecular Biology of Aging

PHYSCI 125 - Molecular Systems Biology

PHYSCI 128 - Me, Myself, and Microbes: The Microbiome in Health and Disease

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

Plan II—Advanced Independent Research

Complete 12 courses as follows:

FOUNDATION

Complete the following five courses. Select either Chemistry 153B or Microbiology 132.

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

LIFESCI 107 - Genetics

MIMG 101 - Introductory Microbiology

MIMG 132 - Cell Biology of Nucleus

MIMG 185A - Immunology

RESEARCH APPRENTICESHIP

Select one group of courses from:

Microbiology

MIMG 196A - Research Apprenticeship I in Microbiology, Immunology, and Molecular Genetics

MIMG 196B - Research Apprenticeship II in Microbiology, Immunology, and Molecular Genetics

Molecular, Cell, and Developmental Biology

MCD BIO 196A - Research Apprenticeship I in Molecular, Cell, and Developmental Biology

MCD BIO 196B - Research Apprenticeship II in Molecular, Cell, and Developmental Biology

SCIENTIFIC ANALYSIS AND COMMUNICATION

Select one group of courses from:

Microbiology

MIMG 180A - Scientific Analysis and Communication I

MIMG 180B - Scientific Analysis and Communication II

Molecular, Cell, and Developmental Biology

MCD BIO 180A - Scientific Analysis and Communication I

MCD BIO 180B - Scientific Analysis and Communication II

FOCUS ELECTIVES

Select two courses from:

CHEM 153L - Biochemical Methods I

MIMG 102 - Introductory Virology

MIMG 105 - Biological Microscopy

MIMG 106 - Molecular and Genetic Basis of Bacterial Infections

MIMG 107 - Viral Pathogenesis

MIMG 132 - Cell Biology of Nucleus

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG CM256 - Human Genetics and Genomics

MCD BIO 138 - Developmental Biology

MCD BIO 165A - Biology of Cells

GENERAL ELECTIVE

Select one additional course from the focus electives list or from the following:

BIOENGR 100 - Bioengineering Fundamentals

BIOENGR CM145 - Molecular Biotechnology for Engineers

BIOENGR CM178 - Introduction to Biomaterials

BIOSTAT 100 - Introduction to Biostatistics

CHEM 103 - Environmental Chemistry

CHEM 110A - Physical Chemistry: Chemical Thermodynamics

CHEM M117 - Structure, Patterns, and Polyhedra

CHEM 136 - Organic Structural Methods

CHEM C140 - Bionanotechnology

CHEM 153B - Biochemistry: DNA, RNA, and Protein Synthesis

CHEM 153C - Biochemistry: Biosynthetic and Energy Metabolism and Its Regulation

CHEM 156 - Physical Biochemistry

CHEM 171 - Intermediate Inorganic Chemistry

CHEM C172 - Advanced Inorganic Chemistry

CHEM C181 - Polymer Chemistry

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C122 - Algorithms in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

EE BIOL 121 - Molecular Evolution

EE BIOL C135 - Population Genetics

EE BIOL 137 - Chemical Communication

EE BIOL 162 - Plant Physiology

EPIDEM 100 - Principles of Epidemiology

HUM GEN C144 - Genomic Technology

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 103BL - Advanced Research Analysis in Virology

MIMG 109AL - Research Immersion Laboratory in Microbiology

MIMG 109BL - Advanced Research Analysis in Microbiology

MIMG C122 - Mouse Molecular Genetics

MIMG 174 - Advanced Topics in Molecular Parasitology

MIMG C185B - Advanced Immunology and Applications

MIMG 191H - Honors Research Seminars: Microbiology, Immunology, and Molecular Genetics

MIMG 198C - Honors Research in Microbiology, Immunology, and Molecular Genetics

MIMG 199 - Directed Research in Microbiology, Immunology, and Molecular Genetics

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 104AL - Research Immersion Laboratory in Developmental Biology

MCD BIO 138 - Developmental Biology

MCD BIO M140 - Cancer Cell Biology

MCD BIO C141 - Molecular Basis of Plant Differentiation and Development

MCD BIO 143 - Developmental Biology: Genetic Control of Organogenesis

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO C150 - Plant Communication

MCD BIO 165A - Biology of Cells

MCD BIO 168 - Stem Cell Biology

MCD BIO 172 - Genomics and Bioinformatics

MCD BIO M175A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

MCD BIO M175B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

MCD BIO M175C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PHYSCI 121 - Disease Mechanisms and Therapies

PHYSCI 124 - Molecular Biology of Aging

PHYSCI 125 - Molecular Systems Biology

PHYSCI 128 - Me, Myself, and Microbes: The Microbiome in Health and Disease

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

Honors Program

The core of the program consists of research culminating in a thesis from the following three courses:

MIMG 198A - Honors Research in Microbiology, Immunology, and Molecular Genetics

MIMG 198B - Honors Research in Microbiology, Immunology, and Molecular Genetics

MIMG 198C - Honors Research in Microbiology, Immunology, and Molecular Genetics

Policies

Preparation for the Major Policies

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving a grade of D or lower in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

Each major course must be taken for a letter grade of C– or better, and students must have a minimum overall grade-point average of 2.0 or better in the major. Students receiving a grade of D or below in two major courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

Plan I

No more than 4 units of course 199 or a combination of 198C and 199 may be applied toward the general electives under Plan I.

Plan II

No more than 4 units of course 198C or 199 may be applied toward the general electives under Plan II.

Plan II requires submission and approval of an admissions application. Detailed information may be obtained at the Student Affairs Office, 1602B Molecular Sciences.

Honors Program

Overall grade-point averages of 3.2 and 3.5 in the preparation for the major and major respectively are required to apply for departmental honors. In addition students must have junior standing and the sponsorship of a faculty adviser from the department. If the thesis is accepted by the honors committee and students complete all major requirements with a GPA of at least 3.5, they are awarded the bachelor's degree with departmental honors. The department also offers an honors seminar course each winter quarter that is required for the honors program. For more information, contact the Student Affairs Office, 1602B Molecular Sciences.

Military Science – Army ROTC Overview

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College of Letters and Science

120S Student Activities Center
Box 951609
Los Angeles, CA 90095-1609

Military Science – Army ROTC
310-825-7381
Army ROTC e-mail

Don D. Sheppard, MA, *Lieutenant Colonel, Chair*

In accordance with the National Defense Act of 1920 and with the concurrence of the Regents of the University of California, a unit of the Army Senior Division Reserve Officers' Training Corps (ROTC) was established on the Los Angeles campus of in July 1920. Navy and Air Force units were established in 1938 and 1949 respectively.

This voluntary training in the Army ROTC program allows students to qualify for an officer's commission in the Army while completing their college education. The ROTC curricula are not considered academic majors, but ROTC courses may be taken as free electives and applied toward the total course requirements of a major. For students contracted in the Military Science Department, 26 units of military science credit may be applied toward the requirements for the bachelor's degree. The ROTC program is also available through UCLA Extension.

All three ROTC departments offer voluntary four- and three-year programs for first years and sophomores. The Army and Navy/Marine Corps also offer a two-year program for current and transfer students. All have leadership laboratories that teach leadership and management skills.

All commissions are reserve commissions. Active duty obligation following commissioning varies depending on branch of service and designated career field or occupational specialty. The Army offers both active- and reserve-duty opportunities directly after commissioning.

Scholarships

ROTC scholarships are awarded on a competitive basis to U.S. citizens regardless of parents' income. Scholarships cover full tuition or housing (on or off campus) up to $12,000, a $1,200 allowance for books and fees, and a tax-free monetary allowance of $420 per month during the academic year. Applications for **four-year scholarships** may be obtained online. Completed four-year applications should be submitted by early March of the year preceding college matriculation. Two- and three-year scholarship applications may be obtained from the Military Science Department by **e-mail** or by calling 310-825-7381, and are considered when received.

Army ROTC Program

Army ROTC is a program that enables students to become officers in the U.S. Army, Army Reserves, or Army National Guard while earning a college degree. The curriculum supplements students' academic majors by offering elective courses ranging from leadership and management to military law. Courses are augmented with leadership laboratories that stress practical skills such as first aid, land navigation, survival techniques, rappelling, military tactics, and scenario-driven leadership reaction courses. Non-ROTC students may enroll in many of the military science courses without enrolling in the ROTC program.

Additionally, students who decide to become Army officers can receive summer training in military parachuting (Airborne School at Fort Benning, GA), helicopter operations that include rappelling from a hovering helicopter (Air Assault School in Hawaii), and mountaineering operations (Northern Warfare School in Alaska).

Scholarships are available for two, three, and four years of academic study and are awarded on a competitive basis. Army scholarships pay for full tuition and mandatory fees or housing, up to $12,000, and provide a stipend of $4,200 per year and a $1,200 book allowance. Nonscholarship, contracted ROTC cadets also receive the stipend of $4,200 per year. Students in the program also compete for over $50,000 in merit-based scholarships provided annually by various private organizations that support the Army ROTC program. Additionally, students may work part-time as officer trainees in local Army Reserves or National Guard units through the simultaneous membership program (SMP). Contracted students can fly free on military aircraft within the continental U.S. on a space-available basis.

Students may select a branch of the Army in which to be commissioned from 16 specialty fields, including military intelligence, aviation, signal communications, finance, logistics, nursing, and engineering. Prior to completion of the ROTC program, students may request to go on active duty or serve part-time in the Army Reserves or National Guard.

Undergraduate Study

Students aspiring to become Army officers follow prescribed course sequences with the Military Science Department and a physical fitness program. Generally, the courses consist of one 2- to 4-unit course per term and physical fitness sessions one to three times per week, depending on the participation-level requirements.

The military science curriculum is divided into two parts: (1) the Basic Course, two years of lower-division study during which students must complete six military science courses and (2) the Advanced Course, two years of upper-division study consisting of six military science courses, one military history course, and a five-week summer camp.

Army ROTC students must satisfy the military history requirement by completing Military Science 110 or another history course approved by the chair.

Transfer students and others who were unable to enroll in the Basic Course can receive equivalent credit in several different ways (see Two-Year Program below).

Admission to the Advanced Course is limited to selected students who meet all academic and physical requirements. Students in this course receive a subsistence allowance of $420 per month for 10 months during each of the two academic years, plus military science uniforms. After completion of the Advanced Course and graduation, students have the opportunity to be commissioned as second lieutenants in one of the Army's 16 specialty areas in either the Army National Guard, Reserves, or Active Army. Students' preferences are a major factor in determining which specialty is awarded.

Students selected for Advanced ROTC must attend a five-week leadership development and assessment course between their Military Science III and IV years. Cadets receive an allowance for travel expenses and are paid for attendance.

The active duty obligation for those students selected to enter the Reserves or National Guard is for initial training, and only for a period of several months. The active duty obligation for those students commissioned into the Active Army is three years. Students who accept ROTC scholarships and enter the Active Army serve one additional year. ROTC students wishing to obtain certain advanced degrees may be granted a delay in reporting to their initial assignment.

Four-Year Program

Students are enrolled in the Basic Course (freshman and sophomore years) on a voluntary basis. After completion of the Basic Course and before entrance into the Advanced Course (junior and senior years), students are required to execute a contract with the Department of the Army agreeing to complete the Advanced Course and accept a commission if offered.

Two-Year Program

The two-year program is designed for students who receive placement credit for two years of ROTC and directly enter the Advanced Course. Placement credit may be given for completing three years of high school Junior ROTC, attending a paid ROTC Leader's Training Course, membership in the Army Reserves or National Guard, completing two years of college-level Air Force or Navy ROTC, or previous active duty military service. The Army also allows enrollment in the two-year program while students attend graduate school.

Commissioning

Successful completion of the Advanced Course program and a bachelor's degree may lead to a commission as a second lieutenant in the Army Reserves, National Guard, or Active Army.

Military Science – Army ROTC

Faculty Roster

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Professor

Don D. Sheppard, MA, *Lieutenant Colonel*

Adjunct Assistant Professors

Christopher Z. Barra, MBA, MA, *Brigadier General (ret.)*
Katie L. Carrigan, BS, *Captain*
William N. Ritch, MA, *Major*
Anthony Tavantzis, BA, *Captain*
James W. (Wes) Turner, MA, *Major*

Molecular and Medical Pharmacology Overview

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David Geffen School of Medicine

23-120 Center for Health Sciences
Box 951735
Los Angeles, CA 90095-1735

Molecular and Medical Pharmacology
310-825-0390
Department e-mail

Stephen C. Cannon, MD, PhD, ***Interim Chair***
Johannes Czernin, MD, ***Vice Chair, Ahmanson Translational Imaging Division***
R. Michael van Dam, PhD, ***Vice Chair, Crump Institute***
Lily Wu, MD, PhD, ***Vice Chair, Equity, Diversity, and Inclusion***
Ting-Ting Wu, PhD, ***Vice Chair, Education***

The Department of Molecular and Medical Pharmacology offers an opportunity for gifted students to work with accomplished faculty members toward making novel discoveries in basic and clinical research.

Departmental research interests span a broad range of studies by integrating biological, physical, engineering, and medical sciences to explore mechanisms of disease in biological systems from in silico through a single cell to the whole organism level, while encompassing patient studies. Faculty members strive to understand basic biological systems and disease states and, where appropriate, to use these observations to develop both new molecular diagnostic technologies and new molecular therapeutics.

Graduate Study

The department also offers two MD/PhD programs concurrently with the Geffen School of Medicine. One is the **Medical Scientist Training Program** (MSTP) in which candidates are medical students that have been accepted into MSTP by the School of Medicine in order to qualify. The second is the **Specialty Training and Advanced Research** (STAR) program in which candidates are post-MD house-staff (interns, residents, or fellows) who have been accepted into the STAR Program by its selection committee in order to qualify.

The department, together with the Division of Laboratory Animal Medicine, offers PhD or postdoctoral training combined with residency training for veterinarians (with DVM or DVM/PhD degrees) in the Veterinary Investigator in Scientific Training and Advancement (VISTA) program.

Note: There is no degree program in pharmacy at UCLA.

Institutes and Centers

With the department as home to the **Crump Institute for Molecular Imaging**, and the **Ahmanson Translational Imaging Division**—with its nuclear medicine and positron emission tomography (PET) imaging research and clinical service, students have access to state-of-the-art science and technology, and the opportunity to make a direct impact on patient care. In addition, the department is home to the Business of Science Center. This program supplies education, experience, and industry mentorship to graduate students in the department and in other academic programs to prepare them for professional careers.

Molecular and Medical Pharmacology Faculty Roster

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Professors

Steven J. Bensinger, VMD, PhD *(Sherie and Donald Morrison Professor of Immunology)*
Timothy F. Cloughesy, MD
Johannes Czernin, MD
Magnus Dahlbom, PhD, *in Residence*
Timothy R. Donahue, MD *(Garry Shandling Professor of Pancreatic Surgery)*
Steven M. Dubinett, MD
James S. Economou, MD, PhD *(Louis D. Beaumont Professor of Surgery)*
Frederick (Fritz) C. Eilber, MD
Thomas G. Graeber, PhD
Ming Guo, MD, PhD *(Laurie and Steven C. Gordon Professor of Neurosciences)*
Arion F. Hadjioannou, PhD
Jing Huang, PhD
Michael E. Jung, PhD *(Walter and Shirley Wang Endowed Professor of Medicinal Drug Discovery)*
Daniel L. Kaufman, PhD
Donald B. Kohn, MD
Harley I. Kornblum, MD, PhD, *in Residence*
Huiying Li, PhD
Linda M. Liau, MD, MBA, PhD *(W. Eugene Stern Professor of Neurosurgery)*
Gerald S. Lipshutz, MD, *in Residence (Joan S. and Ralph N. Goldwyn Endowed Professor of Immunobiology and Transplantation Research)*
Roger S. Lo, MD, PhD

Edythe D. London, PhD, *in Residence (Thomas P. and Katherine K. Pike Professor of Addictive Studies)*
John C. Mazziotta, MD, PhD
David A. Nathanson, PhD
Robert M. Prins, PhD
Caius G. Radu, MD
Srinivasa T. Reddy, PhD, *in Residence*
Antoni Ribas, MD
Orian Shirihai, MD, PhD
Desmond J. Smith, MD, PhD
Hsian-Rong Tseng, PhD
R. Michael van Dam, PhD
Owen N. Witte, MD *(President's Professor of Developmental Immunology)*
Lily Wu, MD, PhD
Tinh-Ting Wu, PhD, *in Residence*
Xia Yang, PhD

Professors Emeriti

Jorge R. Barrio, PhD
Arthur K. Cho, PhD
Samson A. Chow, PhD
Cameron B. Gundersen, PhD
Sherrel G. Howard, PhD
Sung-Cheng (Henry) Huang, DSc
Louis J. Ignarro, PhD *(Nobel laureate, Jerome J. Belzer Professor Emeritus of Medical Research)*
William P. Melega, PhD
Richard W. Olsen, PhD
Nagichettiar Satyamurthy, PhD
Heinrich R. Schelbert, MD, PhD
Ren Sun, PhD
Anna M. Wu, PhD

Associate Professors

Vatche G. Agopian, MD, *in Residence*
Peter M. Clark, PhD
Ajit S. Divakaruni, PhD
Feng Gao, PhD
Jennifer M. Murphy, PhD
S. Saman Sadeghi, PhD, *in Residence*

Tanya I. Stoyanova, PhD

Assistant Professors

Tikvah K. Hayes, PhD
Oluwatayo Ikotun, PhD
Tara A. TeSlaa, PhD
Hans David S. Ulmert, MD, PhD, *in Residence*

Adjunct Professors

Vaithilingara Arumugaswami, PhD
Begonya Comin-Anduix, PhD
Robert D. Damoiseaux, PhD
Jide Tian, MD, PhD

Adjunct Associate Professors

Giuseppe Carlucci, PhD
Jennifer T. McCaney, PhD
Linsey Stiles, PhD

Adjunct Assistant Professors

Evan R. Abt, PhD
Thuc M. Le, PhD
Shiqin (Laura) Liu, PhD
Christine E. Mona, PhD
Shili Xu, PhD
Shaojun S. Zhu, MS
Yazhen Zhu, MD, PhD

Major

Molecular and Medical Pharmacology MS, PhD

College / School

David Geffen School of Medicine

Department

Molecular and Medical Pharmacology

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Overview

The Department of Molecular and Medical Pharmacology offers Master of Science (MS) and Doctor of Philosophy (PhD) degrees in Molecular and Medical Pharmacology, but does not admit applicants who seek only an MS degree.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Molecular Biology Overview

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Interdepartmental Program
College of Letters and Science

172 Boyer Hall
Box 951570
Los Angeles, CA 90095-1570

Molecular Biology
310-267-5209
Program e-mail

Hilary A. Coller, PhD, *Chair*

The Doctor of Philosophy (PhD) in Molecular Biology is offered under the supervision of an interdepartmental committee. The **Molecular Biology Institute** serves this committee and the various departments concerned in support of faculty research and teaching associated with the PhD program. Staff members are from participating departments and from the Molecular Biology Institute. Areas for study include cell biology, developmental biology and neurobiology, nucleic acid biochemistry, gene regulation, immunobiology, microbiology/virology and pathogenesis, molecular evolution and paleobiology, oncogenes and signal transduction, plant molecular biology, protein and enzyme structure and function, genomics, bioinformatics, and structural biology.

Molecular Biology Faculty Committee

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Hilary A. Coller, PhD *(Molecular, Cell, and Developmental Biology)*
Feng Guo, PhD *(Biological Chemistry)*
Elissa A. Hallem, PhD *(Microbiology, Immunology, and Molecular Genetics)*
Alvaro Sagasti, PhD *(Molecular, Cell, and Developmental Biology)*
Thomas A. Vallim, PhD *(Biological Chemistry, Medicine-Cardiology)*

Major

Molecular Biology MS, PhD

College / School

College of Letters and Science

Department

Molecular Biology

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Molecular Toxicology Overview

You're now viewing the 2024-25 Catalog

Interdepartmental Program
Jonathan and Karin Fielding School of Public Health

56-070 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Molecular Toxicology
310-206-1619
E-mail contact

Oliver Hankinson, PhD, ***Chair***

Faculty from 19 departments from six schools at UCLA, including chemistry and biochemistry, environmental health sciences, epidemiology, medicine, molecular and medical pharmacology, and pathology and laboratory medicine, have joined forces to create an interdisciplinary PhD program in Molecular Toxicology that is administered through the Fielding School of Public Health.

Specialties within the program include, but are not limited to, neurotoxicology, developmental toxicology, genetic toxicology, and carcinogenesis. There is a particular emphasis on mechanisms of toxicity, since it is now widely accepted that understanding mechanisms will provide the means for accurately determining risk.

New chemicals have been the basis for most of the technological developments during the past century, and there is no question that society has reaped enormous benefits from the creation and growth of the chemical industry. However, major health and environmental problems have also been the legacy of the synthesis of new chemical species. The discipline of toxicology, which seeks to characterize and elucidate the mechanisms of the problems related to exposure of chemical agents, has also developed from a purely descriptive to a mechanistic science whose objective is to understand the basis of toxin action,

predict the toxicity of new chemical entities, and protect organisms from them. Toxicology has used the basic disciplines of chemistry, biochemistry, and cell biology to advance understanding of toxicological phenomena, and the growth of the sophistication of toxicology has paralleled the increase in knowledge derived from the basic chemical and biological sciences.

Molecular Toxicology Faculty Committee

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Patrick Allard, PhD *(Society and Genetics)*
Jesus A. Araujo, MD, PhD *(Environmental Health Sciences, Medicine-Cardiology)*
Michael D. Collins, PhD *(Environmental Health Sciences)*
Oliver Hankinson, PhD *(Environmental Health Sciences, Pathology and Laboratory Medicine)*
Shaily Mahendra, PhD *(Civil and Environmental Engineering)*
Xia Yang, PhD *(Integrative Biology and Physiology, Molecular and Medical Pharmacology)*

Major

Molecular Toxicology PhD

College / School

Jonathan and Karin Fielding School of Public Health

Department

Molecular Toxicology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Molecular, Cell, and Developmental Biology Overview

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College of Letters and Science

128 Hershey Hall
Box 957246
Los Angeles, CA 90095-7246

Molecular, Cell, and Developmental Biology
310-267-5908
Department e-mail

Jeffrey A. Long, PhD, *Chair*

The revolution in modern biology that began with the elucidation of the structure of DNA by Watson and Crick in the 1950s has had a profound effect not only on biological research, but on the way biology is taught as a subject. The field of biology spawned by this discovery, generally called molecular biology, has provided an entirely new framework within which to approach questions in cell and developmental biology. The specializations, both technical and conceptual, demanded by this field have led to the growth of molecular biology and its related disciplines into an essentially separate branch of scientific inquiry.

Students who complete the requirements for the Bachelor of Science (BS) degree in the Department of Molecular, Cell, and Developmental Biology are exceptionally well prepared to pursue careers in cellular and subcellular biological research, biomedical research, or medicine or allied health fields. The degree combines essential background studies in mathematics, chemistry, and physics with a general introduction to all of the biological subjects, as well as in-depth exposure to key topics in molecular, cell, and developmental biology. Students pursuing the Master of Science (MS) degree gain experience in the conduct and critical analysis of independent research in the integrated fields of molecular, cell, and developmental biology under the guidance of experienced faculty mentors. The PhD degree offers

opportunity for advanced concentrated study and requires independent and innovative research that ultimately results in publishable dissertation materials.

Molecular, Cell, and Developmental Biology Faculty Roster

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Professors

Utpal Banerjee, PhD *(Irving and Jean Stone Professor)*
Jau-Nian Chen, PhD
Amander T. Clark, PhD
Hilary A. Coller, PhD
Arjun Deb, MD
Robert B. Goldberg, PhD
Volker Hartenstein, PhD
Ann M. Hirsch, PhD
Steven E. Jacobsen, PhD
Tracy L. Johnson, PhD
Jeffrey A. Long, PhD
William E. Lowry, PhD
Hanna K.A. Mikkola, MD, PhD
Atsushi Nakano, MD, PhD
Matteo Pellegrini, PhD
Thomas A. Rando, MD, PhD
Alvaro Sagasti, PhD
Karen E. Sears, PhD

Professors Emeriti

John S. Adams, MD
William R. Clark, PhD
Daniel H. Cohn, PhD
Harumi Kasamatsu, PhD
James A. Lake, PhD
Frank A. Laski, PhD
Shuo Lin, PhD
Karen M. Lyons, PhD
John R. Merriam, PhD
Paul H. O'Lague, PhD
Winston A. Salser, PhD
Elaine M. Tobin, PhD

Associate Professors

Siobhan A. Braybrook, PhD
Andrew S. Goldstein, PhD
Daria E. Siekhaus, PhD
Jaimie M. Van Norman, PhD

Assistant Professors

Amjad Askary, PhD
D'Juan T. Farmer, PhD
Pavak K. Shah, PhD
Rachel Shahan, PhD
Jesse R. Zamudio, PhD

Lecturer SOE

Jeffrey P. Maloy, PhD

Lecturers

Katie J. Gallagher, PhD
Pei-Yun Lee, PhD

Michael J. Lough-Stevens, PhD

Diana Rigueur, PhD

Adjunct Assistant Professors

Ira E. Clark, PhD

Michael M. Weinstein, PhD

Major

Molecular, Cell, and Developmental Biology BS

College / School

College of Letters and Science

Department

Molecular, Cell, and Developmental Biology

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Bachelor of Science degree in Molecular, Cell, and Developmental Biology (MCDB) is designed especially for students who intend to go on to postgraduate work in biology or medicine and for students aiming for entry-level positions in biotechnology-related fields. Students are exposed to basic biological and molecular concepts underlying recent technical advances in molecular, cell, and developmental biology of animals and plants. Areas of emphasis include cell biology, immunology, molecular biology, plant biology, developmental biology, and neurobiology, among others.

Learning Outcomes

1. Broad knowledge of the fundamental tenets of molecular, cell, and developmental processes
2. Through use of the scientific method, demonstrated ability to test questions and solve problems using quantitative and inquiry-related skills
3. Demonstrated ability to ask questions about primary scientific literature within the discipline
4. Demonstrated analytical skills to evaluate primary scientific literature within the discipline
5. Effective written and oral communication of laboratory findings
6. Demonstrated appropriate awareness of issues associated with responsible conduct of research

Entry to the Major

Transfer Students

Transfer applicants to the Molecular, Cell, and Developmental Biology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with

laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Life Sciences Core Curriculum

CHEMISTRY

Select one series from:

Chemistry 14 series

- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 14B - General Chemistry for Life Scientists II
- CHEM 14BL - General and Organic Chemistry Laboratory I
- CHEM 14C - Structure of Organic Molecules
- CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

- CHEM 20A - Chemical Structure
- CHEM 20B - Chemical Energetics and Change
- CHEM 20L - General Chemistry Laboratory
- CHEM 30A - Organic Chemistry I: Structure and Reactivity
- CHEM 30AL - General Chemistry Laboratory II
- CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 series

Students may select either Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

Mathematics 31 series

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Complete five required courses, one laboratory course, and 20 upper-division units as follows:

Required Courses

Complete the following five courses:

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

LIFESCI 107 - Genetics

MCD BIO 138 - Developmental Biology

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 165A - Biology of Cells

Laboratory

Select one course from:

MCD BIO 104AL - Research Immersion Laboratory in Developmental Biology

MCD BIO 150AL - Research Immersion Laboratory in Plant-Microbe Ecology

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

MCD BIO 196B - Research Apprenticeship II in Molecular, Cell, and Developmental Biology

BIOMEDICAL RESEARCH MINOR SUBSTITUTION

Students completing the Biomedical Research minor may satisfy the laboratory requirement with the following course:

MCD BIO 198C - Honors Research in Molecular, Cell, and Developmental Biology

Electives

Complete a total of 20 upper-division elective units as follows:

MOLECULAR, CELL, AND DEVELOPMENTAL BIOLOGY UPPER-DIVISION

Select five units from Molecular, Cell, and Developmental Biology (except 100, 104AL, 138, 144, 150AL, 165A, 187AL, 192A, 192B, 193, 194A, 194B, or 199).

ADDITIONAL ELECTIVES

Select five additional units from the preceding list or the following list:

CHEM C100 - Genomics and Computational Biology

CHEM 153C - Biochemistry: Biosynthetic and Energy Metabolism and Its Regulation

CHEM 153L - Biochemical Methods I

CHEM C159 - Mechanisms of Gene Regulation

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

MIMG 100L - Microbiology Laboratory for Professional Schools

MIMG 101 - Introductory Microbiology

MIMG 102 - Introductory Virology

MIMG 105 - Biological Microscopy

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG 174 - Advanced Topics in Molecular Parasitology

MIMG 185A - Immunology

PHYSCI 121 - Disease Mechanisms and Therapies

PHYSCI 125 - Molecular Systems Biology

PHYSCI 174 - Cell Biophysics in Physiology and Disease

ADDITIONAL ELECTIVES

Complete 10 additional units from the preceding two course lists or from the following. Only one course from Biostatistics 100 or Statistics 100A may be applied.

BIOSTAT 100 - Introduction to Biostatistics

EE BIOL 110 - Vertebrate Morphology

EE BIOL 121 - Molecular Evolution

EE BIOL 162 - Plant Physiology

HUM GEN C144 - Genomic Technology

PHYSCI 166 - Animal Physiology

STATS 100A - Introduction to Probability

Honors Program

The core of the program consists of at least one approved undergraduate seminar course from Molecular, Cell, and Developmental Biology 145, 180A, 180B, 191, Biomedical Research 193H, or 194H, and three research courses (12 units minimum) from 198A, 198B, and 198C, culminating in a thesis. Biomedical Research 193H and 194H are not accepted as electives for the major.

MCD BIO 145 - Appreciation and Critical Review of Biomedical Research

MCD BIO 180A - Scientific Analysis and Communication I

MCD BIO 180B - Scientific Analysis and Communication II

MCD BIO 191 - Variable Topics Research Seminars: Molecular, Cell, and Developmental Biology

BMD RES 193H - Journal Club Seminars: Current Topics in Biomedical Research

BMD RES 194H - Research Group Seminars: Data Presentation in Biomedical Research

MCD BIO 198A - Honors Research in Molecular, Cell, and Developmental Biology

MCD BIO 198B - Honors Research in Molecular, Cell, and Developmental Biology

MCD BIO 198C - Honors Research in Molecular, Cell, and Developmental Biology

Computing Specialization

Majors in Molecular, Cell, and Developmental Biology may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the major and completing the following course requirements. A grade of C or better is required in each course, with a combined grade-point average in the specialization of at least 2.0. Students must petition for admission to the program and are advised to do so after completing Program in Computing 10B (petitions should be filed in the Student Affairs Office). Students graduate with a bachelor's degree in their major and a specialization in Computing.

Required

Students may select either Life Sciences 40 or Statistics 13

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPTNG 16A - Python with Applications I

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Elective

Select one course from:

CHEM C100 - Genomics and Computational Biology

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

COM SCI CM186 - Computational Systems Biology: Modeling and Simulation of Biological Systems

MCD BIO 187AL - Research Immersion Laboratory in Genomic Biology

PHYSCI 125 - Molecular Systems Biology

Policies

Preparation for the Major Policies

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving grades below C– in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

Credit for a maximum of two upper-division developmental biology courses from Molecular, Cell, and Developmental Biology 138, C141, and 143 may be applied toward the major.

A maximum of 4 units of approved seminar course credit may be applied toward the electives requirement. A maximum of 12 units of upper-division independent research courses from Molecular, Cell, and Developmental Biology 196A and 196B, 198A through 198D or 199A through 199D may be applied toward the major. Credit for 199 courses from other departments may not be applied to the major requirements.

Any single course may be applied toward only one category of the major, and must be taken for a letter grade.

Students must receive a C or better grade in each required core course (Chemistry 153A, Life Sciences 107, Molecular, Cell, and Developmental Biology 138, 144, 165A), and must achieve a minimum overall grade-point average of 2.0 in the major. Students receiving grades below C in two required core courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

Honors Program

Admission

The honors program provides exceptional Molecular, Cell, and Developmental Biology majors with the opportunity to do research culminating in an honors thesis. Junior and senior majors who have completed all university-level coursework, including all preparation courses and requirements for the major with an overall grade-point average of 3.0 or better and a 3.5 GPA or better in the required major courses, may apply for admission to the honors program. Students must have the sponsorship of an approved faculty adviser.

For more information, students should contact the Student Affairs Office, 128 Hershey Hall, early in their educational planning.

Requirements

To qualify for graduation with honors, students must satisfactorily complete all requirements for the honors program and the major and obtain at least an overall 3.0 grade-point average and a 3.5 GPA or better in coursework required for the major. On recommendation by the faculty sponsor and with approval of the thesis by the departmental honors committee, students are awarded no honors or departmental honors.

Major

Molecular, Cell, and Developmental Biology CPhil, PhD

College / School

College of Letters and Science

Department

Molecular, Cell, and Developmental Biology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Candidate in Philosophy

Overview

Applicants interested in studying with faculty in the department are encouraged to apply to an appropriate home area in Graduate Programs in Bioscience.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Molecular, Cell, and Developmental Biology MS

College / School

College of Letters and Science

Department

Molecular, Cell, and Developmental Biology

Degree Level

Graduate

Degree Objective

Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Molecular, Cellular, and Integrative Physiology Overview

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Interdepartmental Program
College of Letters and Science and *David Geffen School of Medicine*

328 Hershey Hall
Box 957246
Los Angeles, CA 90095-7246

Molecular, Cellular, and Integrative Physiology
310-825-3891
E-mail contact

Mark A. Frye, PhD, ***Chair***
Xia Yang, PhD, ***Vice Chair***

Physiology is the study of the functional processes that collectively constitute life. The studies usually employ quantitative analyses of normal life processes, of pathological defects in normal life processes, of model systems to clarify and test basic physiological principles, and of functional specializations of organisms that have evolved under the influence of differing selective forces. Thus, physiology contributes importantly to advances in knowledge both in the basic biological sciences and in biomedical sciences; and provides an essential foundation for the practice of medicine.

The primary objective of the interdepartmental Molecular, Cellular, and Integrative Physiology program is to train a new generation of physiologists who apply modern knowledge in molecular and cellular biology and systems physiology to important questions in organismic function. Students learn to conceptualize physiological questions across several levels of organization and to understand how research strategies incorporating each of the levels of analysis can be formulated. This approach to physiology education is

responsive to the need for physiologists who can intellectually and technically span disciplines related to physiology that are typically separated.

Coursework consists of formal instruction in the most current information in molecular biology, cell biology, and the molecular and cellular foundations of physiology. In addition, students identify an area of emphasis in biophysics, cellular and molecular biology, or integrative/comparative physiology in which additional studies are pursued. The heart of the program, however, is the research that leads to the dissertation, which is performed under the guidance of a faculty mentor. The program faculty includes more than 120 professors in the Geffen School of Medicine and College of Letters and Science. Collectively they have been recently ranked by the National Research Council in the top five in the U.S. for their quality as an academic faculty.

Molecular, Cellular, and Integrative Physiology Faculty Committee

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Christopher S. Colwell, PhD *(Psychiatry and Biobehavioral Sciences)*
Stephanie M. Correa, PhD *(Integrative Biology and Physiology, Neurobiology)*
Mark A. Frye, PhD *(Integrative Biology and Physiology, Neurobiology)*
Andrea L. Hevener, PhD *(Medicine-Endocrinology)*
Elizabeta Nemeth, PhD *(Medicine-Pulmonary Disease)*
Alapakkam P. Sampath, PhD *(Neurobiology, Ophthalmology)*
Thomas M. Vondriska, PhD *(Anesthesiology and Perioperative Medicine, Physiology)*
Xia Yang, PhD *(Integrative Biology and Physiology, Molecular and Medical Pharmacology)*

Major

Molecular, Cellular, and Integrative Physiology PhD

College / School

College of Letters and Science

Department

Molecular, Cellular, and Integrative Physiology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Music Industry Overview

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Interdepartmental Program
Herb Alpert School of Music

1642A Schoenberg Music Building
Box 951616
Los Angeles, CA 90095-1616

Music Industry
310-825-4768
E-mail contact

David W. MacFadyen, PhD, ***Interim Chair***

The Music Industry Interdepartmental Program prepares students for transformative, creative career paths in and around an ever-evolving music industry. Committed to diversity and justice in the music industry, the program provides challenging historical, critical, and global perspectives through integration with the Herb Alpert School of Music's departments of music, musicology, and ethnomusicology, and with other UCLA professional and arts schools. Fostering students' intellectual and musical creativity equips them to recognize and develop the creativity of others. Balanced programs of courses and projects build the technical, computational, fiduciary, communications, and marketing skills necessary for success in any part of the professional music world. Internships, mentoring, and individualized capstone projects give students direct experience with working music communities, and forge lifelong connections between our students and faculty, engaged industry professionals and the world.

Music Industry Faculty

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Faculty Committee

Jan Berry Baker, DM *(Music)*
Robert W. Fink, PhD *(Musicology)*
Thomas E. Hodgson, PhD *(Musicology)*
David W. MacFadyen, PhD *(Comparative Literature, Musicology)*
Anna F. Morcom, PhD *(Ethnomusicology)*
Catherine A. Provenzano, PhD *(Musicology)*
Jessica A. Schwartz, PhD *(Musicology)*
Timothy D. Taylor, PhD *(Ethnomusicology)*

Faculty Roster

Lecturers

Jonathan R. Beard, MA
Robert Borg, MA
Anthony Brancato, BA
Monica C. Chieffo, PhD
Marc D. Cimino, JD
Stig J. Edgren
Jason Feinberg, BA
Kathryn Frazier
Hans J. Fjellestad, BA
Catherine R. Gregory, MM

Jeffrey Jampol, BA
Lauren D. Kop, BM
Amy K. Kuney
Lee J. Madeloni
Adam M. Moseley
Natasha J. Pasternak, BA
Lauren A. Spalding
Ryan D. Svendsen, BM
Mark J. Tramo, MD, PhD
Ebony Rae Vanderveer, MAR
Allison C. Wolfe, MA

Academic Administrator

Tiffany H. Naiman, PhD

Major

Music Industry BA

College / School
Herb Alpert School of Music

Department
Music Industry

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

Music Industry is a designated capstone major. Undergraduate students must complete a senior thesis that demonstrates the skills and expertise they have acquired in earlier coursework. This requirement may be fulfilled through a written research paper, but, given the experiential nature of the Music Industry

program, it may also be fulfilled by the honing of creative expression for personal or political effect (songwriting, production, etc.), by problem solving or entrepreneurial initiatives in the music industry (music tech start-up, record label, etc.), or by experiential learning in an organization outside of academia (entrepreneurial, community, or corporate project with formal reporting). Students in the capstone are expected to work together to curate their collective work and experience in a formal and public capstone event, which may include online and virtual components as well as a live performance showcase for creative work.

Learning Outcomes

1. Understanding of basics of economics and accounting, and master advanced financial concepts relevant to the entertainment and concert industry, including the management of intellectual property rights
2. Understanding through study and performance of basic parameters of music, and how it works as a communicative language and a cultural force
3. Displayed familiarity with the current practices of music and law, artist management, digital marketing, music publishing, concert and tour promotion, and other key tasks of the music and entertainment industries
4. Demonstrated working understanding of acoustics, audio technology, audio engineering, studio production, and electronic music making
5. Effective spoken and written communication and negotiation
6. Understanding of how to plan, organize, and budget complex projects
7. Development of techniques for managing and motivating collaborative and creative teams
8. Engagement with analytical and historical research to development broad critical understanding of social, economic, and historical underpinnings of the global music industry, with special attention given to race/gender equity and music as a force for social justice

9. Creation of collaborative networks with others in the music industry

10. Acquisition of direct experience in characteristic music industry working environments, and reflection on that experience

11. Participation in sustained mentoring relationships

12. Assembling of a portfolio of relevant work experience and achievements

Entry to the Major

Admission

Applicants are reviewed individually, based on a questionnaire, grade-point average, test scores, a personal statement of purpose, a portfolio review, and an interview.

Transfer Students

Transfer applicants to the Music Industry major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: at least two quarters of musicianship or music theory training equivalent to Music Industry 20A and 20B, and at least two quarters of study in finance and accounting equivalent to Music Industry 10A and 10B.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Music Industry Core

Complete Music Industry 1 three times and the following six courses:

MSC IND 1 - Music Industry Forum

MSC IND 2 - Music Industry Fundamentals

MSC IND 10A - Finance and Accounting in Music Industry I

MSC IND 10B - Finance and Accounting in Music Industry II

MSC IND 20A - How Music Works I

MSC IND 20B - How Music Works II

MSC IND 25 - Fostering Musical Creativity: Artists and Repertoires

Ensemble

Complete four units in one music, ethnomusicology, or music industry ensemble.

History and Culture of Music

Complete one course from the following:

ETHNMUS 20A - Musical Cultures of World: Europe and Americas

ETHNMUS 20B - Musical Cultures of World: Africa and Near East

ETHNMUS 21 - Global Popular Musics I: Emergence of Recording Industries and Major Styles

ETHNMUS 22 - Global Popular Musics II: From Cassettes to Digital and Online Media

ETHNMUS M25 - Global Pop

ETHNMUS 30 - Music and Media

ETHNMUS M35 - Blues, Society, and American Culture

ETHNMUS 40 - Music and Religion

ETHNMUS 45 - Music of Bollywood and Beyond

ETHNMUS M50A - Jazz in American Culture: Late 19th Century through 1940s

ETHNMUS M50B - Jazz in American Culture: 1940s to Present

ETHNMUS M110A - African American Musical Heritage

ETHNMUS M110B - African American Musical Heritage

MSC IND 29 - Docs that Rock: Music Documentary in History and Practice

MSC IND 55 - Songwriters on Songwriting

MUSCLG 5 - History of Rock and Roll

MUSCLG 7 - Film and Music

MUSCLG 8 - History of Electronic Dance Music

MUSCLG 13 - Punk: Music, History, Subculture

MUSCLG 60 - American Musical

MUSCLG 61 - Music in Los Angeles

MUSCLG 64 - Motown and Soul: African American Popular Music of 1960s

MUSCLG 65 - Blues in American Music

MUSCLG 68 - Beatles

MUSCLG 75 - History of Jazz

MUSCLG 94 - Music and Internet

Race, Culture, and American Music

Complete one course from the following:

ETHNMUS M35 - Blues, Society, and American Culture

ETHNMUS M50A - Jazz in American Culture: Late 19th Century through 1940s

ETHNMUS M50B - Jazz in American Culture: 1940s to Present

ETHNMUS M110A - African American Musical Heritage

ETHNMUS M110B - African American Musical Heritage

MUSCLG 64 - Motown and Soul: African American Popular Music of 1960s

MUSCLG 65 - Blues in American Music

MUSCLG 75 - History of Jazz

Communication Fundamentals

Complete the following course or equivalent:

COMM 1 - Principles of Oral Communication

The Major

Music Industry Core

Complete the following eight courses:

MSC IND 101 - Seminar in Music Industry

MSC IND 104A - Music and Law

MSC IND 104B - Legal and Business Aspects of Music Publishing

MSC IND 113A - Music Supervision

MSC IND 122 - Digital Marketing and Promotion

MSC IND 126 - Artist Management

MSC IND 129 - Global Music Industry

MSC IND M182 - Music Industry

Music Technology and Studio Production

Complete one course from:

MUSC 260A - Seminar: Composition for Motion Pictures and Television

MUSC 260B - Seminar: Composition for Motion Pictures and Television

MSC IND 107A - Engineering and Production Fundamentals

MSC IND 107B - Engineering and Production for Musicians

MSC IND 111A - Rock/Pop Studio Ensemble I

MSC IND 111B - Rock/Pop Studio Ensemble II

MSC IND 112A - Introduction to Songwriting

MSC IND 112B - Advanced Songwriting

MSC IND 115A - Art of Music Production I

MSC IND 115B - Art of Music Production II

MSC IND 116A - Digital Production and Beat Design I

MSC IND 116B - Digital Production and Beat Design II

MSC IND 118 - Post-Production Audio for Film, Television, and Visual Media

Music Business and Law

Complete one course from:

COMM M117 - Negotiation

MSC IND 104C - Legal and Business Aspects of Sound Recordings

MSC IND 110 - Music Business Now

MSC IND 113B - Advanced Music Supervision

MSC IND 114 - Concerts and Venues: Producing Special Events and Live Concerts

MSC IND 124B - Music Industry Entrepreneurship and Innovation

MSC IND 155 - Music and Data Science

MSC IND M181 - Forensic Musicology

Music Culture and History

Complete one course from:

ETHNMUS M116 - Chicano/Latino Music in U.S.

ETHNMUS M119 - Cultural History of Rap

ETHNMUS C121 - Tibetan Pop Music: Tibet, Exile, China, and World

ETHNMUS 122 - Global Dynamics of K-Pop

ETHNMUS 148 - Global and Local South Asian Popular Music

ETHNMUS 174 - Aesthetics of Music

ETHNMUS 175 - Sociology of Music

ETHNMUS 177 - Music, Internet, and Social Media

ETHNMUS 181 - Anthropology of Music

MSC IND 108 - Founding and Sustaining Performing Arts Organizations

MSC IND 131 - DIY: Punk Organizing as Social Justice

MSC IND 132 - Music and Activism

MSC IND 134 - Psychology and Music Management

MUSCLG 128 - History of Popular Music

MUSCLG M136 - Music and Gender

MUSCLG M137 - Lesbian, Gay, Bisexual, Transgender, and Queer Perspectives in Pop Music

MUSCLG 140 - Music, Media, and Consumer Society

Elective

Complete one additional course from the Music Technology and Studio Production, Music Business and Law, or Music Culture and History lists.

Internship/Practicum Experience

Complete one of the following courses:

MSC IND 195CE - Community and Corporate Internships in Music Industry

MSC IND 196 - Directed Mentorships in Music Industry

Capstone Experience

Complete the following three courses:

MSC IND 187A - Capstone Seminar in Music Industry I: Developing Project/Connections

MSC IND 187B - Capstone Seminar in Music Industry II: Creating Project/Internship

MSC IND 187C - Capstone Seminar in Music Industry III: Presenting Project/Report

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

If approved by the Chair, Music Industry 185 or 188 may be considered as equivalent to one of the courses fulfilling major requirements (2) through (5). In exceptional circumstances, Music Industry 195 may be considered equivalent to Music Industry 195CE.

Minor

Music Industry Minor

College / School
Herb Alpert School of Music

Department
Music Industry

Level

Undergraduate

Overview

The Music Industry minor is intended to provide students with an introduction to the history, theory, and practice of music as a calling and a business; and to provide opportunities for students to work with practitioners on real-world projects in the music industry.

Entry to the Minor

Admission

To apply to the minor, transfer students must have completed a minimum of one term of residency at UCLA, and students admitted as first years must have completed a minimum of three terms of residency at UCLA. Students must be in good academic standing with an overall grade-point average of at least 2.0.

In addition, students who are not enrolled in a major within the Herb Alpert School of Music must complete at least one performance or ensemble course selected from Ethnomusicology 91A through 91Z, Global Jazz Studies 176A through 176G, Music M90T, C185A through C186C prior to application to the minor. The performance requirement may also be fulfilled through successful completion of one course from Music Industry 91A, 91B, 111A, or 111B, or through an equivalent music industry course by petition.

Minor Requirements

The Minor

Complete seven courses (28 units) as follows:

Music Industry

Complete the following two courses (8 units):

MSC IND 2 - Music Industry Fundamentals

MSC IND 195CE - Community and Corporate Internships in Music Industry

Electives

Select five courses (20 units) from the following list of courses and range:

ETHNMUS M25 - Global Pop

ETHNMUS 30 - Music and Media

ETHNMUS M35 - Blues, Society, and American Culture

ETHNMUS C100 - Audiovisual Archiving in 21st Century

ETHNMUS 105 - Music Business

ETHNMUS M110B - African American Musical Heritage

ETHNMUS 117 - American Popular Music

ETHNMUS C121 - Tibetan Pop Music: Tibet, Exile, China, and World

ETHNMUS 122 - Global Dynamics of K-Pop

ETHNMUS 148 - Global and Local South Asian Popular Music

ETHNMUS C155 - Intangible Cultural Heritage Worldwide

ETHNMUS C184 - Public Ethnomusicology

MUSC C176 - Electronic Music Composition

MUSCLG 128 - History of Popular Music

MUSCLG M137 - Lesbian, Gay, Bisexual, Transgender, and Queer Perspectives in Pop Music

MUSCLG 140 - Music, Media, and Consumer Society

MUSCLG 164 - Selected Topics in African American Popular Music of 1960s

MUSCLG 165 - Blues and Individual Expression

MUSCLG 177 - Selected Topics in Film and Music

MUSCLG 185 - Selected Topics in Rock and Roll

MSC IND 188 - Special Courses in Music Industry

MSC IND 195CE - Community and Corporate Internships in Music Industry

MSC IND 197 - Individual Studies in Music Industry and Technology

MUSIC INDUSTRY M103 THROUGH 188

Music Industry M103 through 188

Policies

The Minor Policies

A maximum of two lower-division courses may be counted toward the minor. Other UCLA upper-division courses may be applied to the minor by petition.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

With the exception of Music Industry 95 and 195CE (mandatory P/NP grading), each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

Music Overview

You're now viewing the 2024-25 Catalog

Herb Alpert School of Music

2539 Schoenberg Music Building
Box 951616
Los Angeles, CA 90095-1616

Music
310-825-4761

James K. Bass, DMA, *Chair*

The Department of Music offers undergraduate and graduate training in Western classical music, with specialized undergraduate programs in music composition, education, and performance. Jazz performance is also offered at the graduate level. The department is aligned with the departments of ethnomusicology and musicology and the interdepartmental programs in global jazz studies and music industry, and aspires to promote productive collaboration between performance, pedagogy, composition, and scholarship, a cross-cultural global understanding of the art of music, and preparatory training for a broad range of careers in music after students graduate.

Undergraduate Study

The department offers four-year bachelors' degrees in music, music composition, music education, and music performance. The curriculum for all four degrees balances a classically oriented program of practical, theoretical, and historical studies with related performance and academic studies in non-Western music. Designed for students who want to combine fine musicianship with academic excellence, all four degrees are based on a core curriculum of theory, history, analysis, and individual and group performance. The music education major additionally offers preparation in pedagogical skills and

innovative insights into theories and practice essential to teach music to the diverse student population of California and the world, and offer leadership in the field of arts education.

Graduate Study

At the graduate level, specialized studies leading to the degrees of Master of Arts (MA) and Doctor of Philosophy (PhD) are offered in composition; specialized studies leading to the degrees of Master of Music (MM) and Doctor of Musical Arts (DMA) are offered in all classical solo instruments, voice, and conducting. Jazz performance is offered at the master's degree level.

Students interested in a concentration in music history and literature should consider the major in **Musicology**, and those interested in a concentration in world music should consider the major in **Ethnomusicology**.

Music Faculty Roster

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Professors

Jan N. Baker, DM
James K. Bass, DMA
Regina D. Carter-Garnett, BM
Che-Yen B. Chen, MM
Lily Chen-Hafteck, PhD
Vladimir Chernov, MM
Travis J. Cross, DM
Richard D. Danielpour, DMA *(Susan G. and Mitchel D. Covel, MD Professor of Music)*
Michael E. Dean, MM
Inna Faliks, DMA
Juliana K. Gondek, MM
Peter D. Kazaras, JD
William A. Kinderman, PhD *(Leo M. Klein and Elaine Krown Klein Endowed Professor of Performance Studies)*
Ian Krouse, DMA
David S. Lefkowitz, PhD
Jens H. Lindemann, MM
Arturo O'Farrill, MM
Movses Pogossian, DMA
Eileen L. Strempel, PhD
Neal H. Stulberg, MA
Michael Salim Washington, PhD

Professors Emeriti

Roger Bourland, PhD
Paul S. Chihara, PhD
Gordon Henderson, MME
Frank Heuser, PhD
Mark S. Kaplan, BA
D. Thomas Lee, DMA
Elisabeth C. Le Guin, PhD
Susan K. McClary, PhD
Donald Neuen, MA
James W. Newton, BM
Walter Ponce, DMA
Jon Robertson, DMA
Robert Walser, PhD
Robert S. Winter, PhD *(Presidential Professor Emeritus of Music and Interactive Arts)*

Assistant Professors

Melissa Bilal, PhD *(Promise Professor of Armenian Music, Arts, and Culture)*
Johanna S. Gamboa-Kroesen, EdD
David J. Kaplan, DMA *(Shapiro Family Professor of Piano Performance)*
Kay K. Rhie, DMA

Senior Lecturer SOE

John L. Hall, MM, *Emeritus*

Lecturers

Boris V. Allakhverdyan, MM
Ji Young An, DMA
David A. Brennan, DMA
Ryan R. Brown, DMA
John B. Buffet, MA
Wendy L. Caldwell, BM
Jonathan D. Davis, DMA
Dante L. De Silva, PhD
Theresa A. Dimond, DMA
Cheryl L. Fielding, DMA
Aubrey D. Foard, MM
Mircea Gogoncea, DMA

Peter R. Golub, DMA
Gregory S. Goodall, MFA
Rakefet R. Hak, MM
K. Noel Hearn, MA
Ben Hong, AD
Victoria H. Kirsch, MA
Sarah Koo, MM
James D. Lent, DMA
Iris Malkin, MM
Varty H. Manouelian, MM
Noah G. Meites, DMA
Dwayne S. Milburn, PhD
James T. Miller, MM
Lou Anne Neill, MA
Hitomi M. Oba, MA
Joshua H. Ranz, MM
Wendy M. Richman, DMA
Amy M. Sanchez, MM
Benjamin Smolen, MM
Michael B. Stein, PhD
John A. Steinmetz, MA
Lucy T. Yates, MM
Mildred H. Yi, EdD

Adjunct Professors

Christoph Bull, DMA
Gloria C. Cheng, DMA
Don E. Franzen, JD
Herbert J. Hancock, DFA
Christopher Hanulik, BM

Adjunct Associate Professor

Alison S. Deane, MM

Adjunct Assistant Professors

Nick J. De Pinna, MM
Kenneth G. Fisher, MM

Major

Music BA

College / School
Herb Alpert School of Music

Department
Music

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Music major is a designated capstone major. Through preparation for and execution of their senior capstone projects or recitals, students demonstrate mastery of program learning outcomes; as well as a level of proficiency appropriate for their role in the recitals and their understanding of performance

practices appropriate to the repertory being performed, as acquired in previous coursework and through research. Students also display their ability to assemble an effective program in terms of pacing and variety, and demonstrate requisite stage presence along with an ability to communicate with their audience in performance.

Learning Outcomes

1. Proficiency appropriate for role in the recital
2. Understanding of performance practices, as acquired through coursework and research, appropriate to the repertory being performed
3. Ability to assemble an effective program in terms of pacing and variety
4. Requisite stage presence and ability to communicate with audience in performance

Entry to the Major

Admission

Applications for the Music BA are not being accepted at this time.

Major Requirements

Preparation for the Major

Complete six courses, 12 units of studio coursework, and 12 units of performance organizations as follows:

Musicianship

Complete the following three courses with grades of C– or better:

MUSC M6A - Introduction to Global Musicianship

MUSC M6B - Introduction to Musicianship

MUSC M6C - Introduction to Musicianship

Music Theory

Complete the following three courses with grades of C or better:

MUSC 20A - Music Theory I

MUSC 20B - Music Theory II

MUSC 20C - Music Theory III

Studio

Complete 12 units of studio from:

MUSIC 60A THROUGH 60Z

Music 60A through 60Z

MUSIC 61A

MUSC 61A - Voice Studio

Performance Organizations

Complete two years (12 units) of performance organizations utilizing students' major instruments, as assigned by the chair or designated faculty member.

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

MUSC C186A - Piano/Keyboard Accompanying

MUSC C186B - Guitar Accompanying

MUSC C186C - Harp Accompanying

The Major

Complete 12 courses as follows:

Music Theory

Complete the following three courses, with grades of C or better:

MUSC 120A - Music Theory IV

MUSC 120B - Music Theory V

MUSC 120C - Music Theory VI

History and Analysis of Western Music

Complete the following three courses, with grades of C or better:

MUSC 140A - History and Analysis of Western Music to 1700

MUSC 140B - History and Analysis of Western Music, 1700 to 1800

MUSC 140C - History and Analysis of Western Music, 1890 to Present

Theory Electives

Select six theory courses in consultation with a faculty adviser.

Policies

Preparation for the Major Policies

All entering first years are required to take the Music Theory Assessment Examination either during New Student Sessions or during zero week of fall quarter. The examination score is used to determine eligibility

and placement in first-year music core courses (Music M6A, M6B, M6C and 20A, 20B, 20C). Examination results may require enrollment in Music 3 as a requisite to both courses M6A and 20A. Entering transfer students with fewer than 15 units of prior music theory must take the Music Theory Assessment Examination.

Major

Music Composition BA

College / School
Herb Alpert School of Music

Department
Music

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Music Composition major is a designated capstone major. Through preparation for and execution of their senior capstone projects or recitals, students demonstrate mastery of program learning outcomes; as well as a level of proficiency appropriate for their role in the recitals and their understanding of

performance practices appropriate to the repertory being performed, as acquired in previous coursework and through research. Students also display their ability to assemble an effective program in terms of pacing and variety, and demonstrate requisite stage presence along with an ability to communicate with their audience in performance.

Learning Outcomes

1. Demonstrated artistic proficiency on a primary instrument or in voice
2. Demonstrated excellent aural musicianship skills and a working knowledge of music theory and music history
3. Composition of vocal, instrumental, and/or electronic music in varied genres and forms
4. Demonstrated knowledge and application of vocal, instrumental, and electronic performance techniques and acoustical properties to scoring and orchestration, including proficiency with notation and sequencing software
5. Demonstrated knowledge of counterpoint and polyphonic styles and textures in Renaissance, Baroque, Classical-Romantic, and/or contemporary practice
6. Demonstrated fundamentals of conducting an ensemble, including basic patterns and gestural principles, scores analysis skills, and rehearsal techniques
7. Composition of at least one substantial piece of music and presentation of it in a concert setting, such as a senior recital

Entry to the Major

Admission

For new and change-of-major applicants, students must submit a portfolio of compositions prior to the required audition and interview with the composition faculty.

Major Requirements

Preparation for the Major

The Major

Policies

Preparation for the Major Policies

All entering first years are required to take the Music Theory Assessment Examination either during New Student Sessions or during zero week of fall quarter. The examination score is used to determine eligibility and placement in first-year music core courses (Music M6A, M6B, M6C and 20A, 20B, 20C). Examination results may require enrollment in Music 3 as a requisite to both courses M6A and 20A. Entering transfer students must take the Music Theory Assessment Examination to determine placement in the appropriate music theory sequence.

All entering students may take a rigorous instrumental studio proficiency test administered by the composition faculty either during orientation or during zero week of fall quarter. The examination is used to determine how many units of Instrumental studio (up to 12 units from Music 60A through 60U in one instrument) are required. Students who do not take the instrumental studio proficiency test must complete 12 units.

Major

Music Education BA

College / School
Herb Alpert School of Music

Department
Music

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Music Education major is a designated capstone major. Through preparation for and execution of their senior capstone projects or recitals, students demonstrate mastery of program learning outcomes; as well as a level of proficiency appropriate for their role in the recitals and their understanding of

performance practices appropriate to the repertory being performed, as acquired in previous coursework and through research. Students also display their ability to assemble an effective program in terms of pacing and variety, and demonstrate requisite stage presence along with an ability to communicate with their audience in performance.

Learning Outcomes

1. Demonstrated artistic proficiency on a primary instrument or in voice
2. Demonstrated excellent aural musicianship skills and a working knowledge of music theory and music history
3. Demonstrated knowledge of a varied repertory of music that includes Western, non-Western, and popular musical genres
4. Development of pedagogical skills, assessment strategies, and musical leadership abilities in classroom, instrumental, and choral settings
5. Demonstrated basic skills in secondary performance areas and music technology
6. Identification and description of major concepts and theories of educational psychology
7. Development of the flexibility necessary to teach music in traditional and non-traditional settings

Entry to the Major

Admission

Applicants are required to audition in their primary performance medium and interview with the music

education faculty.

Major Requirements

Preparation for the Major

Complete six required courses, 12 or 15 units of instrumental or vocal studio, and 18 units of large conducted ensembles as follows:

Musicianship

Complete the following courses with grades of C– or better:

MUSC M6A - Introduction to Global Musicianship

MUSC M6B - Introduction to Musicianship

MUSC M6C - Introduction to Musicianship

Theory

Select one of the following series to be approved by the division chair. The courses must be completed with grades of C or better.

MUSIC 20 SERIES

MUSC 20A - Music Theory I

MUSC 20B - Music Theory II

MUSC 20C - Music Theory III

MUSIC 21 SERIES

MUSC 21A - Project Approach to Music Theory I

MUSC 21B - Project Approach to Music Theory II

MUSC 21C - Project Approach to Music Theory III

Instrumental or Vocal Studio

INSTRUMENTALISTS

Complete 12 units from:

Music 60A through 60U

VOCALISTS

Complete 15 units from:

MUSC 61A - Voice Studio

MUSC 61C - Voice Coaching for Music Education Specialists

Large Conducted Ensembles

Complete 18 units from the following, as assigned by the chair or music education faculty member:

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

The Major

Complete 23 courses, 4 or 5 units of advanced instrumental or voice studio, 2 units of public recital coursework, and a capstone course as follows:

Musicianship

Complete the following courses with grades of C- or better:

MUSC 102A - Advanced Musicianship I

MUSC 102B - Advanced Musicianship II

MUSC 102C - Advanced Musicianship III

Theory

Complete the following courses with grades of C or better:

MUSC 111A - Music Theory through Improvisation

MUSC 111B - Music Creation and Analysis through Technology

MUSC 111C - Arranging Music for Educational Settings

History

Complete the following courses with grades of C or better:

MUSCLG 125A - History of Western Music: Era of Church and Patron

MUSCLG 125B - History of Western Music: Era of Empires and Marketplaces

MUSCLG 125C - History of Western Music: Modern and Postmodern Era

Music Education

Complete the following 14 courses:

MUSC 110A - Learning Approaches in Music Education

MUSC 110B - Musicality and Creativity in Childhood

MUSC 110C - Comparative Study of Choral Music Education

MUSC 110D - Comparative Study of Instrumental Music Education

MUSC 114A - Study of Instrumental Techniques: High Strings

MUSC 114B - Study of Instrumental Techniques: Low Strings

MUSC 114C - Vocal Techniques for Music Education I

MUSC 114D - Vocal Techniques for Music Education II

MUSC 114J - Piano Skill in Classroom

MUSC 115A - Study of Instrumental Techniques: Woodwinds

MUSC 115B - Study of Instrumental Techniques: Brass

MUSC 115C - Study of Instrumental Techniques: Percussion

MUSC 116 - Introduction to Conducting

MUSC 117 - Study and Conducting of Instrumental and Choral Literature

Advanced Instrumental or Voice Studio

INSTRUMENTALISTS

Select 4 units from:

Music 160A through 160U

VOCALISTS

Select 5 units from:

MUSC 161A - Advanced Voice Studio

MUSC 161C - Advanced Voice Coaching for Music Education Specialists

Public Recital

Select 2 units from Music 163A through 163V (vocalists must also enroll in Music 161C as corequisite to 163V) taken in the primary performance area; students must consult and receive approval from the assigned music education faculty member before scheduling recital, which may be scheduled as early as fall quarter of the junior year.

Music 163A through 163V

Capstone Project

Complete the following course. All capstone projects in Music Education take the form of an electronic portfolio demonstrating mastery of program learning outcomes. The student's portfolio must be submitted before Music 110D is completed.

MUSC 110D - Comparative Study of Instrumental Music Education

Policies

Preparation for the Major Policies

All entering first years are required to take the Music Theory Assessment Examination either during New Student Sessions or during zero week of fall quarter. The examination score is used to determine eligibility and placement in first-year music core courses (Music M6A, M6B, M6C, and 20A, 20B, and 20C, or 21A, 21B, and 21C). Examination results may require enrollment in Music 3 as a requisite to both courses M6A and 20A/21A. Entering transfer students must take the Music Theory Assessment Examination to determine placement in the appropriate music theory sequence.

Major

Music Performance BM

College / School
Herb Alpert School of Music

Department
Music

Degree Level

Undergraduate

Degree Objective

Bachelor of Music

Capstone Major

The Music Performance major is a designated capstone major. Through preparation for and execution of their senior capstone projects or recitals, students demonstrate mastery of program learning outcomes; as well as a level of proficiency appropriate for their role in the recitals and their understanding of

performance practices appropriate to the repertory being performed, as acquired in previous coursework and through research. Students also display their ability to assemble an effective program in terms of pacing and variety, and demonstrate requisite stage presence along with an ability to communicate with their audience in performance.

Learning Outcomes

1. Demonstrated artistic proficiency on a primary instrument or in voice
2. Demonstrated excellent aural musicianship skills and a working knowledge of music theory and music history
3. Demonstrated artistic proficiency and flexibility as performer and collaborator in varied settings, including chamber ensembles and large conducted ensembles
4. Demonstrated knowledge of history and performance repertoire for a primary instrument or voice and representative works for chamber and large conducted ensembles from the majors periods of Western classical music, including contemporary compositions
5. Demonstrated ability to apply knowledge of compositional form, historical context, performance practices, extended techniques, nontraditional notation, and current issues to performance of Western classical music
6. Demonstrated knowledge about genres other than Western classic music or the scholarly study of music and/or the business practices associated with the music industry
7. Conception, preparation, and performance of a public solo recital of Western classical music, including a printed program and program notes

Entry to the Major

Admission

Applicants are required to audition in their principal performance medium and interview with the music performance faculty.

Major Requirements

Preparation for the Major

Musicianship

Complete the following courses with grades of C– or better:

MUSC M6A - Introduction to Global Musicianship

MUSC M6B - Introduction to Musicianship

MUSC M6C - Introduction to Musicianship

Theory

Select one of the following series approved by the area head/division chair. The courses must be completed with grades of C or better.

MUSIC 20 SERIES

MUSC 20A - Music Theory I

MUSC 20B - Music Theory II

MUSC 20C - Music Theory III

MUSIC 21 SERIES

MUSC 21A - Project Approach to Music Theory I

MUSC 21B - Project Approach to Music Theory II

MUSC 21C - Project Approach to Music Theory III

Concentration

Based on instrument or voice, complete one concentration selected from:

BRASS, PERCUSSION, AND WOODWINDS

Instrumental Studio

Complete 12 units from:

- MUSC 60A - Instrumental Studio: Flute
- MUSC 60B - Instrumental Studio: Oboe
- MUSC 60C - Instrumental Studio: Bassoon
- MUSC 60D - Instrumental Studio: Clarinet
- MUSC 60E - Instrumental Studio: Saxophone
- MUSC 60F - Instrumental Studio: French Horn
- MUSC 60G - Instrumental Studio: Trumpet
- MUSC 60H - Instrumental Studio: Trombone
- MUSC 60I - Instrumental Studio: Tuba/Euphonium
- MUSC 60J - Instrumental Studio: Percussion

Chamber Ensembles

Complete 4 units from:

- MUSC C175A - Chamber Ensembles: Brass
- MUSC C175B - Chamber Ensembles: Guitar
- MUSC C175C - Chamber Ensembles: Piano
- MUSC C175D - Chamber Ensembles: Percussion
- MUSC C175E - Chamber Ensembles: Strings
- MUSC C175F - Chamber Ensembles: Woodwinds
- MUSC C175G - Chamber Ensembles: Flux Contemporary

Large Conducted Ensembles

Complete 12 units from:

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

KEYBOARD

Instrumental Studio

Complete 12 units from:

MUSC 60S - Instrumental Studio: Piano

MUSC 60T - Instrumental Studio: Organ

MUSC 60U - Instrumental Studio: Harpsichord

Chamber Ensembles, Keyboard Literature, and Accompanying

Complete 8 units from:

MUSC C171 - Selected Topics in Keyboard Literature

MUSC C175A - Chamber Ensembles: Brass

MUSC C175B - Chamber Ensembles: Guitar

MUSC C175C - Chamber Ensembles: Piano

MUSC C175D - Chamber Ensembles: Percussion

MUSC C175E - Chamber Ensembles: Strings

MUSC C175F - Chamber Ensembles: Woodwinds

MUSC C175G - Chamber Ensembles: Flux Contemporary

MUSC C186A - Piano/Keyboard Accompanying

Large Conducted Ensembles

Complete 6 units from:

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

STRINGS

Instrumental Studio

Complete 12 units from:

MUSC 60K - Instrumental Studio: Violin

MUSC 60L - Instrumental Studio: Viola

MUSC 60M - Instrumental Studio: Cello

MUSC 60N - Instrumental Studio: String Bass

MUSC 60O - Instrumental Studio: Harp

MUSC 60P - Instrumental Studio: Guitar

MUSC 60Q - Instrumental Studio: Lute

MUSC 60R - Instrumental Studio: Viola da Gamba

Chamber Ensembles

Complete 6 units from:

MUSC C175A - Chamber Ensembles: Brass

MUSC C175B - Chamber Ensembles: Guitar

MUSC C175C - Chamber Ensembles: Piano

MUSC C175D - Chamber Ensembles: Percussion

MUSC C175E - Chamber Ensembles: Strings

MUSC C175F - Chamber Ensembles: Woodwinds

MUSC C175G - Chamber Ensembles: Flux Contemporary

Large Conducted Ensembles

Complete 12 units from:

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

VOICE

Voice Studio and Voice Coaching

Complete 18 units from:

MUSC 61A - Voice Studio

MUSC 61B - Voice Coaching

Singing Diction

Complete the following three courses:

MUSC 74A - Introduction to Singing Diction: English and Italian

MUSC 74B - Introduction to Singing Diction: German

MUSC 74C - Introduction to Singing Diction: French

Large Conducted Ensembles

Complete 12 units from:

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

Language

Complete one college year—or at least one course at level three—of French, German, Italian, or Spanish, which may be used to fulfill the school language requirement.

The Major

Theory/Musicianship

Complete one of the following series approved by the area head/division chair. The courses must be completed with grades of C or better.

THEORY

MUSC 120A - Music Theory IV

MUSC 120B - Music Theory V

MUSC 120C - Music Theory VI

MUSICIANSHIP

MUSC 102A - Advanced Musicianship I

MUSC 102B - Advanced Musicianship II

MUSC 102C - Advanced Musicianship III

History

Complete the following courses with grades of C or better:

MUSC 140A - History and Analysis of Western Music to 1700

MUSC 140B - History and Analysis of Western Music, 1700 to 1800

MUSC 140C - History and Analysis of Western Music, 1890 to Present

Concentration

Based on instrument or voice, complete one concentration selected from:

BRASS, PERCUSSION, AND WOODWINDS

Advanced Instrumental Studio

Complete 10 units from:

MUSC 160A - Advanced Instrumental Studio: Flute

MUSC 160B - Advanced Instrumental Studio: Oboe

MUSC 160C - Advanced Instrumental Studio: Bassoon

MUSC 160D - Advanced Instrumental Studio: Clarinet

MUSC 160E - Advanced Instrumental Studio: Saxophone

MUSC 160F - Advanced Instrumental Studio: French Horn

MUSC 160G - Advanced Instrumental Studio: Trumpet

MUSC 160H - Advanced Instrumental Studio: Trombone

MUSC 160I - Advanced Instrumental Studio: Tuba/Euphonium

MUSC 160J - Advanced Instrumental Studio: Percussion

Chamber Ensembles

Complete 4 unit from:

MUSC C175A - Chamber Ensembles: Brass

MUSC C175B - Chamber Ensembles: Guitar

MUSC C175C - Chamber Ensembles: Piano

MUSC C175D - Chamber Ensembles: Percussion

MUSC C175E - Chamber Ensembles: Strings

MUSC C175F - Chamber Ensembles: Woodwinds

MUSC C175G - Chamber Ensembles: Flux Contemporary

Large Conducted Ensembles

Complete 12 units from:

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

Electives

Complete at least 8 units of upper-division electives from ethnomusicology, global jazz studies, music, music industry, or musicology.

Capstone Instrumental Recital

Complete one course from the following. In senior year, each student must present a senior recital as part of the capstone course; the 45–55-minute recital will include a printed program with notes.

- MUSC 167A - Capstone Instrumental Recital: Flute
- MUSC 167B - Capstone Instrumental Recital: Oboe
- MUSC 167C - Capstone Instrumental Recital: Bassoon
- MUSC 167D - Capstone Instrumental Recital: Clarinet
- MUSC 167E - Capstone Instrumental Recital: Saxophone
- MUSC 167F - Capstone Instrumental Recital: French Horn
- MUSC 167G - Capstone Instrumental Recital: Trumpet
- MUSC 167H - Capstone Instrumental Recital: Trombone
- MUSC 167I - Capstone Instrumental Recital: Tuba/Euphonium
- MUSC 167J - Capstone Instrumental Recital: Percussion

KEYBOARD

Advanced Instrumental Studio

Complete 10 units from:

- MUSC 160S - Advanced Instrumental Studio: Piano
- MUSC 160T - Advanced Instrumental Studio: Organ
- MUSC 160U - Advanced Instrumental Studio: Harpsichord

Chamber Ensembles, Keyboard Literature, and Accompanying

Complete 8 units from:

- MUSC C171 - Selected Topics in Keyboard Literature
- MUSC C175A - Chamber Ensembles: Brass
- MUSC C175B - Chamber Ensembles: Guitar

MUSC C175C - Chamber Ensembles: Piano

MUSC C175D - Chamber Ensembles: Percussion

MUSC C175E - Chamber Ensembles: Strings

MUSC C175F - Chamber Ensembles: Woodwinds

MUSC C175G - Chamber Ensembles: Flux Contemporary

MUSC C186A - Piano/Keyboard Accompanying

Large Conducted Ensembles

Complete 6 units from:

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

Electives

Complete at least 12 units of upper-division electives from ethnomusicology, global jazz studies, music, music industry, or musicology.

Capstone Instrumental Recital

Complete one course from the following. In senior year, each student must present a senior recital as part of the capstone course; the 45–55-minute recital will include a printed program with notes.

MUSC 167S - Capstone Instrumental Recital: Piano

MUSC 167T - Capstone Instrumental Recital: Organ

MUSC 167U - Capstone Instrumental Recital: Harpsichord

STRINGS

Advanced Instrumental Studio

Complete 10 units from:

- MUSC 160K - Advanced Instrumental Studio: Violin
- MUSC 160L - Advanced Instrumental Studio: Viola
- MUSC 160M - Advanced Instrumental Studio: Cello
- MUSC 160N - Advanced Instrumental Studio: String Bass
- MUSC 160O - Advanced Instrumental Studio: Harp
- MUSC 160P - Advanced Instrumental Studio: Guitar
- MUSC 160Q - Advanced Instrumental Studio: Lute
- MUSC 160R - Advanced Instrumental Studio: Viola da Gamba

Chamber Ensembles

Complete 6 units from:

- MUSC C175A - Chamber Ensembles: Brass
- MUSC C175B - Chamber Ensembles: Guitar
- MUSC C175C - Chamber Ensembles: Piano
- MUSC C175D - Chamber Ensembles: Percussion
- MUSC C175E - Chamber Ensembles: Strings
- MUSC C175F - Chamber Ensembles: Woodwinds
- MUSC C175G - Chamber Ensembles: Flux Contemporary

Large Conducted Ensembles

Complete 12 units from:

- MUSC C185D - Symphony Orchestra
- MUSC C185E - Philharmonia

Electives

Complete at least 8 units of upper-division electives from ethnomusicology, global jazz studies, music, music industry, or musicology.

Capstone Instrumental Recital

Complete one course from the following. In senior year, each student must present a senior recital as part of the capstone course; the 45–55-minute recital will include a printed program with notes.

- MUSC 167K - Capstone Instrumental Recital: Violin
- MUSC 167L - Capstone Instrumental Recital: Viola
- MUSC 167M - Capstone Instrumental Recital: Cello
- MUSC 167N - Capstone Instrumental Recital: String Bass
- MUSC 167O - Capstone Instrumental Recital: Harp
- MUSC 167P - Capstone Instrumental Recital: Guitar
- MUSC 167Q - Capstone Instrumental Recital: Lute
- MUSC 167R - Capstone Instrumental Recital: Viola da Gamba

VOICE

Advanced Voice Studio and Advanced Voice Coaching

Complete 15 units from:

- MUSC 161A - Advanced Voice Studio
- MUSC 161B - Advanced Vocal Coaching

Advanced Vocal Repertoire, Diction, and Interpretation

Complete 4 units from:

- MUSC C158A - Advanced Vocal Repertoire, Diction, and Interpretation: English
- MUSC C158B - Advanced Vocal Repertoire, Diction, and Interpretation: French
- MUSC C158C - Advanced Vocal Repertoire, Diction, and Interpretation: German
- MUSC C158D - Advanced Vocal Repertoire, Diction, and Interpretation: Italian
- MUSC C158E - Advanced Vocal Repertoire, Diction, and Interpretation: Spanish

MUSC C158F - Advanced Vocal Repertoire, Diction, and Interpretation: Russian

MUSC C158G - Advanced Vocal Repertoire, Diction, and Interpretation: Other Languages

Large Conducted Ensembles

Complete 12 units from:

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

Electives

Complete at least 4 units of upper-division electives from ethnomusicology, global jazz studies, music, music industry, or musicology.

Capstone Voice Recital

Complete the following two courses. In senior year, each student must present a senior recital as part of the capstone course; the 45–55-minute recital will include a printed program with notes.

MUSC 161B - Advanced Vocal Coaching

MUSC 168 - Capstone Voice Recital

Policies

Preparation for the Major Policies

All entering first years are required to take the Music Theory Assessment Examination either during New Student Sessions or during zero week of fall quarter. The examination score is used to determine eligibility and placement in first-year music core courses (Music M6A, M6B, M6C, and 20A, 20B, and 20C, or 21A, 21B, and 21C). Examination results may require enrollment in Music 3 as a requisite to both courses M6A and 20A/21A. Entering transfer students must take the Music Theory Assessment Examination to determine placement in the appropriate music theory sequence. Choice of theory course series to be approved by area head/division chair.

Strings

For classical guitar, harp, and string bass, students may petition to substitute alternative courses if there are no suitable chamber ensembles offered during the academic year. For classical guitar, students may petition to substitute Music C185A, C185B, or appropriate ethnomusicology ensembles.

The Major Policies

All recitals are videotaped and archived; performances are evaluated by a jury.

Strings

For classical guitar, harp, and string bass, students may petition to substitute alternative courses if there are no suitable chamber ensembles offered during the academic year. For classical guitar, students may petition to substitute Music C185A, C185B, or appropriate ethnomusicology ensembles.

Major

Master of Music

College / School
Herb Alpert School of Music

Department
Music

Degree Level
Graduate

Degree Objective
Master of Music

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Music DMA

College / School
Herb Alpert School of Music

Department
Music

Degree Level
Graduate

Degree Objective
Doctor of Musical Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Music MA, CPhil, PhD

College / School
Herb Alpert School of Music

Department
Music

Degree Level
Graduate

Degree Objective
Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Musicology Overview

You're now viewing the 2024-25 Catalog

Herb Alpert School of Music

2520 Schoenberg Music Building
Box 951616
Los Angeles, CA 90095-1616

Musicology
310-825-4768
E-mail contact

Joy H. Calico, PhD, ***Chair***

The Department of Musicology curricula allow students to gain a broad understanding of the history and culture of music, as well as a practical introduction to issues and skills relevant to the music and entertainment industries. Courses cover virtually every period, style, and genre, including jazz and other popular musics. The department is aligned with the Ethnomusicology Department, Music Department, and Music Industry Interdepartmental Degree Program. It aspires to promote productive collaboration between performance and scholarship, a cross-cultural global understanding of the art of music, and preparatory training for a broad range of careers in music and related fields after students graduate.

Musicology Faculty Roster

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Professors

Joy H. Calico, PhD
Nina S. Eidsheim, PhD
Robert W. Fink, PhD
Mark L. Kligman, PhD *(Mickey Katz Endowed Professor of Jewish Music)*
Raymond L. Knapp, PhD
Tamara J.M. Levitz, PhD
David W. MacFadyen, PhD
Timothy D. Taylor, PhD

Professors Emeriti

Elisabeth C. Le Guin, PhD
Mitchell B. Morris, PhD

Associate Professors

Cesar D. Favila, PhD
Jenny Olivia Johnson, PhD
Jessica A. Schwartz, PhD
Elizabeth Randell Upton, PhD

Assistant Professors

Thomas E. Hodgson, PhD
Catherine A. Provenzano, PhD

Lecturers

Kristi A. Brown-Montesano, PhD
Caitlin C. Carlos, PhD
Marylin D. Winkle, DMA

Adjunct Professor

Don E. Franzen, JD

Adjunct Assistant Professor

David A. Leaf, PhD

Academic Administrator

Holley Replogle-Wong, PhD

Major

Music History and Industry BA

College / School
Herb Alpert School of Music

Department
Musicology

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The BA in Music History and Industry is not a technical or business degree; it is a liberal arts degree in musicology whose subject is the music industry, combining the focus on music as an art form with practical training and experiential learning based in the music industry. It includes courses that help

students develop their skills in popular music creation and production as well as practical skills appropriate to the fiscal, entrepreneurial, and legal needs of the contemporary music world. A required internship in the Los Angeles music industry is a distinctive feature.

Capstone Major

The Music History and Industry major is a designated capstone major. Undergraduate students must complete a senior thesis that demonstrates the skills and expertise they have acquired in earlier coursework. Students are expected to conceive and execute a project that (a) identifies an issue, problem, or opportunity in the music industry and engages with it practically and critically, or (b) brings to fruition a substantial creative project in contemporary music with tangible results. While an extended essay is the default expectation for a completed project, students are encouraged to seek alternative formats, such as a lecture-recital, business or marketing plans, set of lesson plans, website, studio sound recording, or video/audio presentation. Students discuss and critique the work of their peers and present their work to other students and, if they choose, to the public as part of a student-organized live event and conference.

Learning Outcomes

1. Development of basic musicianship and music literacy and fluency in music theory to accurately and efficiently communicate about musical concepts across multiple repertoires in popular music; basic competence with music technology
2. Demonstrated general knowledge of the histories and repertories of Western European and US—American traditional, popular, and classical musics, as well as the influence of other world traditions
3. Engagement with live ensemble performance in at least one area of music
4. Working knowledge of scholarly and critical discourse relative to music history and the music industry

5. Conception and execution of project that proposes and supports an original argument about a specialized topic or addresses a specific cultural question or presents and analyzes a case study of actual practice in the music industry

6. Engagement with peers through presentation, discussion, and critique of their work

7. Demonstrated basic understanding of how culture is theorized and interpreted, and the ability to place musical experiences and structures in rich cultural contexts, and to link music with social justice, diversity, and equity goals

8. Demonstrated basic economic literacy and basic understanding of the economic and legal organization of creative industries

9. Ability to find, evaluate, and apply high-quality data to support executive and entrepreneurial decisions

10. Experiential learning in real-world corporate, creative, or entrepreneurial situations with written report

Entry to the Major

Admission

The Music History and Industry major assumes that students have some musical background before entering UCLA, although Western art music is not privileged. Auditions are not required, but prospective majors should be sufficiently competent on an instrument, in production, or in voice to participate in a performance group, as required by the program.

Transfer Students

Transfer applicants to the Music History and Industry major with 90 or more units should complete one year of music theory and musicianship prior to admission to UCLA. Experience in group music performance (any genre) is strongly recommended. Transfer students are required to take Musicology 12W at UCLA.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Required Courses

Complete the following seven courses and Musicology 1:

MUSC 20A - Music Theory I

MUSC 20B - Music Theory II

MUSC 20C - Music Theory III

MUSCLG M6A - Introduction to Global Musicianship

MUSCLG M6B - Introduction to Musicianship

MUSCLG M6C - Introduction to Musicianship

MUSCLG 12W - Writing about Music

Performance Organizations

Complete 4 units from the following courses and ranges:

ETHNOMUSICOLOGY

Ethnomusicology 68A through 68O

Ethnomusicology 68A through 68O

Ethnomusicology 91A through 91Z

Ethnomusicology 91A through 91Z

Ethnomusicology 161A through 161Z

Ethnomusicology 161A through 161Z

GLOBAL JAZZ STUDIES

GJ STDS 176A - Large Jazz Ensembles: Contemporary Jazz Ensemble

GJ STDS 176B - Large Jazz Ensembles: Charles Mingus Ensemble

GJ STDS 176C - Large Jazz Ensembles: UCLA Jazz Orchestra

GJ STDS 176D - Large Jazz Ensembles: UCLA Afro Latin Jazz Orchestra

GJ STDS 176E - Large Jazz Ensembles: Ellingtonia Jazz Orchestra

GJ STDS 176F - Large Jazz Ensembles: World Jazz and Intercultural Improvisation Ensemble

GJ STDS 176G - Large Jazz Ensembles: Afro-Cuban Ensemble

GJ STDS 176H - Large Jazz Ensembles: Commercial Music Studio Ensemble

MUSIC

MUSC C175A - Chamber Ensembles: Brass

MUSC C175B - Chamber Ensembles: Guitar

MUSC C175C - Chamber Ensembles: Piano

MUSC C175D - Chamber Ensembles: Percussion

MUSC C175E - Chamber Ensembles: Strings

MUSC C175F - Chamber Ensembles: Woodwinds

MUSC C175G - Chamber Ensembles: Flux Contemporary

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

MUSICOLOGY

MUSCLG CM90T - Early Music Ensemble

MUSIC INDUSTRY

MSC IND 111A - Rock/Pop Studio Ensemble I

Lower-Division Elective

Complete one lower-division musicology or music industry elective (minimum of 4 units).

The Major

Complete 12 courses as follows:

Required Courses

Complete seven courses as follows:

MUSCLG 125A - History of Western Music: Era of Church and Patron

MUSCLG 125B - History of Western Music: Era of Empires and Marketplaces

MUSCLG 125C - History of Western Music: Modern and Postmodern Era

MUSCLG 128 - History of Popular Music

MSC IND 101 - Seminar in Music Industry

MUSIC INDUSTRY 2 OR 112A OR 112B

Select one course from:

MSC IND 2 - Music Industry Fundamentals

MSC IND 112A - Introduction to Songwriting

MSC IND 112B - Advanced Songwriting

MUSIC INDUSTRY 195 OR 195CE

Select one course from:

MSC IND 195 - Community or Corporate Internships in Music Industry and Technology

MSC IND 195CE - Community and Corporate Internships in Music Industry

Upper-Division Music Industry Electives

Complete two additional upper-division music industry elective courses.

Music History and Industry Capstone Sequence

Complete the following three-course sequence:

MUSCLG 187A - Capstone Seminar I: Developing the Project

MUSCLG 187B - Capstone Seminar II: Creating the Project

MUSCLG 187C - Capstone Seminar III: Presenting the Project

Policies

Preparation for the Major Policies

Enrollment in Music 20A, 20B, 20C, and Musicology M6A, M6B, M6C requires taking the Music Theory Placement Examination administered by the Music Department or an equivalent assessment administered by the Musicology Department during New Student Sessions or week 0. Students who do not pass the examination are required to take Music 3 prior to taking Music 20A.

The Major Policies

Each course applied toward the major must be taken for a letter grade (courses offered only on a P/NP grading basis are acceptable).

Major

Musicology BA

College / School
Herb Alpert School of Music

Department
Musicology

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The BA in Musicology appeals to undergraduate students with musical backgrounds whose interests and principal career goals lie in areas other than professional performance. This undergraduate program

prepares students for graduate programs in music and related fields and offers training within the broader context of the humanities.

Capstone Major

The Musicology major is a designated capstone major. Undergraduate students must complete a senior thesis that demonstrates the skills and expertise they have acquired in earlier coursework. Students are expected to conceive and execute a project that identifies and engages with a problem within a specialized topic, identify and analyze appropriate primary sources both textual and musical, and have a working knowledge of scholarly discourse relative to a specialized topic. While an extended essay is the default expectation for a completed project, students are encouraged to seek alternative formats, such as a lecture-recital, business or marketing plans, set of lesson plans, website, studio sound recording, or video/audio presentation. Students discuss and critique the work of their peers and present their work to other students and, if they choose, to the public as part of a student-organized live event and conference.

Learning Outcomes

1. Demonstrated specific skills and expertise, including research, analysis, writing, and general knowledge of music and music history
2. Identification and analysis of appropriate primary sources and musical scores
3. Conception and execution of a project that proposes and supports an original argument about a specialized topic
4. Working knowledge of scholarly discourse relative to a specialized topic
5. Engagement with peers through presentation, discussion, and critique of student work

Entry to the Major

Admission

The Musicology program assumes that students have some musical background before entering UCLA. Although auditions are not required, prospective majors should be sufficiently competent on an instrument or in voice to participate in a performance group, as required by the program.

Transfer Students

Transfer applicants to the Musicology major with 90 or more units should complete one year of music theory and musicianship prior to admission to UCLA. Experience in music performance is strongly recommended. Transfer students are required to take Musicology 12W at UCLA.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Required Courses

Complete the following eight courses:

- MUSCLG 1 - Issues and Methods in Musicology
- MUSCLG M6A - Introduction to Global Musicianship
- MUSCLG M6B - Introduction to Musicianship
- MUSCLG M6C - Introduction to Musicianship
- MUSCLG 12W - Writing about Music
- MUSC 20A - Music Theory I
- MUSC 20B - Music Theory II
- MUSC 20C - Music Theory III

Performance Organizations

Complete 6 units from the following courses and ranges:

ETHNOMUSICOLOGY

Ethnomusicology 68A through 68O

Ethnomusicology 68A through 68O

Ethnomusicology 91A through 91Z

Ethnomusicology 91A through 91Z

Ethnomusicology 168A through 168O

Ethnomusicology 168A through 168O

GLOBAL JAZZ STUDIES

GJ STDS 176A - Large Jazz Ensembles: Contemporary Jazz Ensemble

GJ STDS 176B - Large Jazz Ensembles: Charles Mingus Ensemble

GJ STDS 176C - Large Jazz Ensembles: UCLA Jazz Orchestra

GJ STDS 176D - Large Jazz Ensembles: UCLA Afro Latin Jazz Orchestra

GJ STDS 176E - Large Jazz Ensembles: Ellingtonia Jazz Orchestra

GJ STDS 176F - Large Jazz Ensembles: World Jazz and Intercultural Improvisation Ensemble

GJ STDS 176G - Large Jazz Ensembles: Afro-Cuban Ensemble

GJ STDS 176H - Large Jazz Ensembles: Commercial Music Studio Ensemble

MUSIC

MUSC C175A - Chamber Ensembles: Brass

MUSC C175B - Chamber Ensembles: Guitar

MUSC C175C - Chamber Ensembles: Piano

MUSC C175D - Chamber Ensembles: Percussion

MUSC C175E - Chamber Ensembles: Strings

MUSC C175F - Chamber Ensembles: Woodwinds

MUSC C175G - Chamber Ensembles: Flux Contemporary

MUSC C185A - UCLA Chorale

MUSC C185B - Chamber Singers

MUSC C185C - Opera Workshop

MUSC C185D - Symphony Orchestra

MUSC C185E - Philharmonia

MUSC 185F - Symphonic Band

MUSC C185G - Wind Ensemble

MUSC 185H - Marching and Varsity Bands

MUSICOLOGY

MUSCLG CM90T - Early Music Ensemble

MUSIC INDUSTRY

MSC IND 111A - Rock/Pop Studio Ensemble I

Lower-Division Humanities Elective

Complete one lower-division humanities elective (minimum of 4 units).

The Major

Complete seven courses, 4 units of electives, and three capstone courses as follows:

Required Courses

In a given year, the department may designate individual Musicology seminars in the range 160-185, 188, or 191 as equivalent to 126 and 127.

MUSCLG 125A - History of Western Music: Era of Church and Patron

MUSCLG 125B - History of Western Music: Era of Empires and Marketplaces

MUSCLG 125C - History of Western Music: Modern and Postmodern Era

MUSCLG 126 - Musics, Cultures, and Their Interpretation

MUSCLG 127 - Music, Sound, and Structure

MUSCLG 128 - History of Popular Music

MUSCLG 193C - Music History Journal Club Seminars for Majors

Upper-Division Elective

Select one additional upper-division ethnomusicology, global jazz studies, music, or music industry seminar elective course (minimum of 4 units).

Capstone Sequence

Complete the following three-course sequence:

MUSCLG 187A - Capstone Seminar I: Developing the Project

MUSCLG 187B - Capstone Seminar II: Creating the Project

MUSCLG 187C - Capstone Seminar III: Presenting the Project

Policies

Preparation for the Major Policies

Enrollment in Musicology M6A, M6B, M6C and Music 20A, 20B, 20C requires taking the Music Theory Placement Examination administered by the Music Department during New Student Sessions or week 0. Students who do not pass the examination are required to take Music 3 prior to taking Music 20A.

The Major Policies

Each course applied toward the major must be taken for a letter grade (courses offered only on a P/NP grading basis are acceptable).

Minor

Musicology Minor

College / School
Herb Alpert School of Music

Department
Musicology

Level
Undergraduate

Overview

The Musicology minor provides undergraduates with an overview of music history and the study of music. Students may select from a wide variety of undergraduate courses that range through the history of European and American music.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and complete the Musicology minor application. For more information, see the minor website.

Minor Requirements

The Minor

Policies

The Minor Policies

Enrollment in some courses may be limited; check with the department or instructor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade (courses offered only on a P/NP grading basis are acceptable), and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Musicology MA, CPhil, PhD

College / School
Herb Alpert School of Music

Department
Musicology

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Master of Arts, Doctor of Philosophy

Overview

The graduate program in Musicology offers courses leading to the MA and PhD degrees. It is designed to equip students to pursue careers not only in teaching but also in other areas that require bibliographical

skills and training in research methodologies. The department offers teaching and research assistantships each year for qualified students.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Naval Science – Naval ROTC

Overview

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College of Letters and Science

120T Student Activities Center
Box 951399
Los Angeles, CA 90095-1399

Naval Science – Naval ROTC
310-825-9075
Naval ROTC e-mail

Tracy A. Perry, MS, Colonel, *Chair*

In accordance with the National Defense Act of 1920 and with the concurrence of the Regents of the University of California, a unit of the Army Senior Division Reserve Officer Training Corps (ROTC) was established on the Los Angeles campus in July 1920. Navy and Air Force units were established in 1938 and 1949 respectively.

This voluntary training in the Naval Reserve Officer Training Corps (NROTC) program allows students to qualify for an officer's commission in the Navy or Marine Corps while completing their college education. The NROTC curricula are not considered academic majors, but NROTC courses may be taken as free electives and applied toward the total course requirements of a major. For students contracted in the Naval Science Department, 26 units of naval science credit may be applied toward the requirements for the bachelor's degree.

All three ROTC departments offer voluntary four- and three-year programs for first years and sophomores. The Army and Navy/Marine Corps also offer a two-year program for current and transfer students. All have leadership laboratories that teach leadership and management skills.

Active duty obligation following commissioning varies depending on branch of service and designated career field or occupational specialty.

Scholarships

NROTC scholarships are awarded on a competitive basis to U.S. citizens regardless of parents' income. Scholarships cover tuition, a book allowance, fees, and a tax-free monetary allowance between $250 and $400 per month during the academic year. **Applications for scholarships** may be obtained online or by calling 800-628-7682. Visit the **NROTC scholarship application** website for submission deadline. Two or three-year scholarship applications may be obtained from the Naval Science Department and should be submitted no later than the end of the spring term.

Naval ROTC Program (Navy/Marine Corps)

The Department of Naval Science provides professional training for students leading to an active duty commission at graduation in the U.S. Navy or Marine Corps. Through the NROTC, scholarship students receive full tuition, fees, books, and subsistence pay of $250 to $400 per month. Nonscholarship students may apply to participate as members of the midshipman battalion under the NROTC College Program and, if selected for advanced standing prior to their junior year, may receive an active duty commission at graduation. Because of the rapid development of highly technical ship systems, aviation, and other military equipment, science and engineering majors are highly desirable; however, Navy/Marine Corps scholarships are currently available to students pursuing any major offered by UCLA, as long as they agree to complete basic technical requirements. In addition to UC and UCLA requirements, Navy option midshipmen must complete 30 units and Marine Corps option midshipmen 22 units of naval science courses, physical fitness tests, and summer training, each about four to six weeks long. Both Navy and Marine Corps option students must also pass a swimming test. Naval science courses are open to UCLA students who are not in the program with consent of instructor and demonstrated interest in the Navy/Marine Corps and related fields, such as engineering, navigation and naval operations, history, and management.

Undergraduate Study

College Program (Nonscholarship)

Students attending UCLA who meet Navy/Marine Corps requirements but who do not have an NROTC scholarship may enroll in the College Program during their freshman or sophomore year. These students have the opportunity to compete for scholarships. If they do not win a scholarship, or choose not to compete for one, they must compete for advanced standing prior to their junior year. All College Program

students receive uniforms, naval science textbooks and, once selected for advanced standing, monthly subsistence pay in their junior and senior years.

Marine Corps Option

Highly motivated NROTC students may request designation as Marine Corps option students and may also pursue any UCLA academic degree. The final summer training, and a requirement to be commissioned as an officer in the Marine Corps, involves intensive Marine training at Officer Candidate School in Quantico, Virginia. Marine Corps option students also participate, on a limited basis, in field training exercises during the academic year.

Naval Science – Naval ROTC

Faculty Roster

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Professor

Tracy A. Perry, MS, *Colonel, U.S. Marine Corps*

Adjunct Assistant Professors

Kristen R. Gabel, BS, *Captain, U.S. Marine Corps*
Jonathan D.P. Laredo, BS, *Lieutenant, U.S. Navy*
Joshua N. Ragadio, MS, *Commander, U.S. Navy*
Patricia A.L. Walker, BA, *Lieutenant, U.S. Navy*

Near Eastern Languages and Cultures Overview

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College of Letters and Science

361 Kaplan Hall
Box 951511
Los Angeles, CA 90095-1511

Near Eastern Languages and Cultures
310-825-4165
Department e-mail

Kathlyn (Kara) M. Cooney, PhD, ***Chair***

The Department of Near Eastern Languages and Cultures offers instruction in the major modern and ancient languages of the Near East: Akkadian, ancient Egyptian, Arabic, Aramaic, Armenian, Berber, Coptic, Hebrew, Persian, and Turkic. In order to meet increasing demands for knowledge of the Ancient Near East, each language is treated in its broader scholarly perspective: both as a vehicle of historical and cultural transmission and as an object of research itself.

Mission

The mission of the department is the discovery, interpretation, dissemination, and preservation of human values created over a period of five or more thousand years in an area that was a cradle of civilization in the Old World.

Undergraduate Study

Undergraduate majors may be taken in Ancient Near East and Egyptology, Arabic, Iranian Studies, Jewish Studies, and Middle Eastern Studies. In each of these fields students must meet the requisites and take the courses prescribed. Their adviser assists in selecting a plan of study developed around their interests.

Students may combine their major with one in another department (double major) to enhance their educational opportunities. Due to the number of additional courses required, they are advised to consider this option early in their academic career and in consultation with program advisers in both majors.

Graduate Study

Master of Arts (MA) and Doctor of Philosophy (PhD) programs are offered in Near Eastern Languages and Cultures and Islamic Studies. The Near Eastern Languages and Cultures program offers specialization areas in Ancient Near Eastern civilizations, Arabic, Armenian, Assyriology, Egyptology, Hebrew Bible, Iranian studies, Jewish studies, Near Eastern archaeology, Semitics, and Turkic Studies.

Career Prospects

Courses in the department prepare students for careers in government, foreign trade, teaching abroad, journalism abroad, archaeology, and further academic work involving the area.

Subject Areas

Near Eastern Languages and Cultures courses are in the following subject areas:

- **Ancient Near East**
- **Arabic**
- **Armenian**
- **Hebrew**
- **Iranian**
- **Islamic Studies**
- **Jewish Studies**
- **Middle Eastern Studies**
- **Near Eastern Languages**
- **Semitics**
- **Turkic Languages**

Near Eastern Languages and Cultures Faculty Roster

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Professors

Khaled M. Abou El Fadl, JD, MA, PhD *(Omar and Azmeralda Alfi Endowed Professor of Islamic Law)*
Carol A. Bakhos, PhD
Aaron A. Burke, PhD *(Kershaw Professor of Ancient Eastern Mediterranean Studies)*
Kathlyn (Kara) M. Cooney, PhD
Michael D. Cooperson, PhD
S. Peter Cowe, PhD *(Narekatsi Professor of Armenian Studies)*
Nouri Gana, PhD
William M. Schniedewind, PhD
M. Rahim Shayegan, PhD *(Jahangir and Eleanor Amuzegar Professor of Iranian Studies)*
Susan E. Slyomovics, PhD

Professors Emeriti

Arnold J. Band, PhD
Giorgio Buccellati, PhD
Elizabeth F. Carter, PhD
Lev Hakak, PhD
Ismail K. Poonawala, PhD
Yona Sabar, PhD
Willeke Z. Wendrich, PhD

Associate Professors

Domenico Ingenito, PhD
Gina V. Konstantopoulos, PhD
Asma Sayeed, PhD
Luke B. Yarbrough, PhD

Assistant Professors

Solange Ashby, PhD
Catherine E. Bonesho, PhD
Lara L. Fabian, PhD
Anthony D. Yates, PhD

Senior Lecturers

Latifeh E. Hagigi, MA, *Emerita*
Abeer T. Hamza, PhD
Hagop Kouloujian, MBA
Jeremy D. Smoak, PhD

Lecturers

Kinda A. Al Rifae, PhD
Sariel H. Birnbaum, PhD
Katherine S. Burke, PhD
Zeynep Durmus, MA
Tereza Hovhannisyan, MA
Banafsheh Pourzangi, MA
Sahba Shayani, PhD

Adjunct Professor

Ahmad Karimi-Hakkak, PhD

Adjunct Assistant Professors

Ali Mousavi, PhD

Sarwerasa Rafizada, PhD

Major

Ancient Near East and Egyptology BA

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Students are encouraged to spend time abroad either to (1) study with an education abroad program or (2) work on a UCLA-affiliated archaeological excavation in the broader Middle East. For information on studying abroad, contact the **Education Abroad Program**, 1332 Murphy Hall, 310-825-4995; for UCLA-affiliated excavations, contact the departmental academic counselor at 310-825-4165.

Learning Outcomes

1. Demonstrated mastery of the ancient Near East and its history
2. Demonstrated skills and expertise, including research, analysis, and writing
3. Identification, evaluation, and analysis of historical monuments, time periods, vocabulary, concepts, and historical figures

Entry to the Major

Transfer Students

Transfer applicants to the Ancient Near East and Egyptology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one civilization course on Mesopotamia, Egypt, Near Eastern archaeology, or Middle Eastern cultures.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Select three courses from:

AN N EA 10W - Jerusalem: Holy City

AN N EA 12W - Jerusalem: Holy City

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

AN N EA 15 - Women and Power in Ancient World

AN N EA 15W - Women and Power in Ancient World

AN N EA M60 - Achaemenid Civilization and Empire of Alexander

M E STD M50A - First Civilizations

M E STD M50B - Origins of Judaism, Christianity, and Islam

NR EAST M20 - Visible Language: Study of Writing

The Major

Complete 10 courses as follows:

Required Core Courses:

Select one course from four of the following five areas (total of four courses):

ARCHAEOLOGY AND ART

AN N EA CM101A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom

AN N EA CM101B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period

AN N EA M101C - Ancient Egyptian Temple and City of Thebes

AN N EA M105 - Archaeology of Egypt and Sudan

AN N EA 160 - Origins of Agriculture

AN N EA 161 - Archaeology of Prehistoric Mesopotamia

AN N EA 162 - Archaeology, Identity, and Bible

AN N EA CM163 - Archaeology of Iran

AN N EA C165 - Egyptian Archaeology

AN N EA M166 - Art and Death in Ancient Egypt

AN N EA CM169 - Introduction to Archaeological Sciences

ISLM ST M111 - Introduction to Islamic Archaeology

ISLM ST M112 - Archaeology and Art of Christian and Islamic Egypt

HISTORY

AN N EA M103A - History of Ancient Egypt

AN N EA M103B - History of Ancient Egypt

AN N EA M104A - History of Ancient Mesopotamia and Syria

AN N EA M104B - Sumerians

AN N EA M104C - Babylonians

AN N EA M104D - Assyrians

AN N EA M110A - Iranian Civilization: History of Achaemenid Empire

AN N EA M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

AN N EA M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

JEWISH M182A - Ancient Jewish History

LANGUAGES

AN N EA 120A - Elementary Ancient Egyptian

AN N EA 120B - Elementary Ancient Egyptian

AN N EA 120C - Elementary Ancient Egyptian

AN N EA 140A - Elementary Sumerian

AN N EA 140B - Elementary Sumerian

AN N EA 140C - Elementary Sumerian

AN N EA M168A - Elementary Hittite

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

HEBREW 110C - Readings in Biblical Hebrew

SEMITIC M140A - Elementary Akkadian

SEMITIC 140B - Elementary Akkadian

LITERATURE

AN N EA 150A - Heroes, Gods, and Monsters: Literature and Epic in Mesopotamia

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

JEWISH 170 - Dead Sea Scrolls and Early Judaism

RELIGION

AN N EA M130 - Ancient Egyptian Religion

AN N EA M135 - Religion in Ancient Israel

AN N EA M167 - Magic in Ancient World

AN N EA M170 - Bible and Its Interpreters

AN N EA M185D - Religions of Ancient Near East

IRANIAN 170 - Religion in Ancient Iran

JEWISH M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

Required Elective Courses

Select any six courses (no more than three may be from Anthropology) from the preceding areas or from the following list:

AN N EA 121A - Intermediate Ancient Egyptian Readings

AN N EA 121B - Intermediate Ancient Egyptian Readings

AN N EA 121C - Intermediate Ancient Egyptian Readings

AN N EA C123A - Coptic

AN N EA C123B - Coptic

AN N EA 124 - Middle Egyptian Technical Literature

AN N EA 125A - Digital Cultural Mapping Core Course A: Place, Time, and Digital World

AN N EA M125B - Digital Cultural Mapping Core Course B: Google Earth, Geographic Information Systems, Hypercities, and Timelines

AN N EA M125C - Digital Cultural Mapping Core Course C: Summer Research

AN N EA 175 - Conceptions of Race in Ancient Egypt

AN N EA C177 - Variable Topics in Ancient Near East

AN N EA M179 - Cultural Heritage and Identity Representation: Creating Fowler and Virtual Exhibit

ANTHRO 110 - Principles of Archaeology

ANTHRO CM110Q - Introduction to Archaeological Sciences

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 112R - Cities Past and Present

ANTHRO 130 - Study of Culture

ANTHRO M150 - Language in Culture

ENGL 111A - Hebrew Bible in Translation

ENGL 111B - Christian Biblical Texts in Translation

ENGL 111C - Topics in Biblical Literature

GREEK 130 - Readings in New Testament

HEBREW 125 - Hebrew Bible with Medieval Commentaries

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

HEBREW 188FL - Special Studies: Readings in Hebrew

RELIGN M186A - History of Early Christians

RELIGN M186B - Religious Environment of Early Christians

RELIGN M186C - Jesus of Nazareth in Historical Research

SEMITIC 130 - Biblical Aramaic

SEMITIC 141 - Advanced Akkadian

SEMITIC 142 - Akkadian Literary Texts

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

A maximum of 8 units of special studies courses (197, 198, 199) approved by the department may be applied toward the major. Each course must be taken for a letter grade.

Major

Arabic BA

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated written and oral mastery of the Arabic language

2. Demonstrated knowledge of other Arabic dialects such as Iraqi, Egyptian, etc.

3. Demonstrated specific skills and expertise, including research, analysis, and writing

4. Ability to read texts in Arabic, and to analyze the language and cultural context

5. Identification, evaluation, and analysis of historical monuments, time periods, vocabulary, concepts, and historical figures

Entry to the Major

Transfer Students

Transfer applicants to the Arabic major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of Arabic.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete seven courses as follows:

ARABIC 1A - Elementary Standard Arabic

ARABIC 1B - Elementary Standard Arabic

ARABIC 1C - Elementary Standard Arabic

ISLM ST M20 - Introduction to Islam

NR EAST M20 - Visible Language: Study of Writing

NR EAST 65 - Global Time Travel

History 9D or Middle Eastern Studies M50CW

Select one course from:

HIST 9D - Introduction to Asian Civilizations: History of Middle East

M E STD M50CW - Making and Studying Modern Middle East

The Major

Complete 11 courses as follows:

Arabic

Select one option from:

INTERMEDIATE STANDARD ARABIC

ARABIC 102A - Intermediate Standard Arabic

ARABIC 102B - Intermediate Standard Arabic

ARABIC 102C - Intermediate Standard Arabic

SUMMER INTENSIVE INTERMEDIATE ARABIC

ARABIC 108 - Summer Intensive Intermediate Arabic

Arabic or Islamic Studies

Complete two courses form Arabic or Islamic studies.

Electives

Select six courses from:

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ARABIC 103A - Advanced Arabic

ARABIC 103B - Advanced Arabic

ARABIC 103C - Advanced Arabic

ARABIC CM106 - Qur'an

ARABIC M107 - Islam in West

ARABIC M110 - One Thousand and One Nights/Alf Layla Wa-Layla

ARABIC 111A - Elementary Spoken Egyptian Arabic

ARABIC 111B - Elementary Spoken Egyptian Arabic

ARABIC 111C - Elementary Spoken Egyptian Arabic

ARABIC 112A - Advanced Spoken Egyptian Arabic

ARABIC 112B - Advanced Spoken Egyptian Arabic

ARABIC 112C - Advanced Spoken Egyptian Arabic

ARABIC 115 - Studies in Arabic Dialectology

ARABIC 120 - Islamic Texts

ARABIC M123 - Oral Literature and Performance of Arab World

ARABIC 130 - Classical Arabic Texts

ARABIC 132 - Philosophical and Kalam Texts

ARABIC 140 - Readings in Modern Standard Arabic

ARABIC C141 - Modern Arabic Literature

ARABIC 142 - Arabic Media

ARABIC M148 - Contemporary Arab Film and Song

ARABIC 150 - Classical Arabic Literature in English

ARABIC M151 - Modern Arabic Literature in English

ARABIC M155 - Al-Andalus: Literature of Islamic Spain

ARABIC M171 - Culture Area of Maghrib (North Africa)

ARABIC 177 - Variable Topics in Arabic

ARABIC 180 - Linguistics Analysis of Arabic

ARABIC 181 - Translating Arabic

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS C120 - Selected Topics in Islamic Art

COM LIT 100 - Introduction to Literary and Critical Theory

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M106 - Premodern Islam

HIST 108B - History of Islamic Iberia

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 111C - Topics in Middle Eastern History: Modern

ISLM ST CM107 - Islam in West

ISLM ST M111 - Introduction to Islamic Archaeology

ISLM ST M112 - Archaeology and Art of Christian and Islamic Egypt

ISLM ST CM115 - Islam and Other Religions

ISLM ST 130 - Shi'a in Islamic History

ISLM ST C151 - Islamic Thought

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

Policies

The Major Policies

No more than two upper-division 4-unit independent study or directed research courses (197, 199) may be applied toward the major. Other courses, including extra-departmental courses, may be applied with consent of the adviser.

Major

Iranian Studies BA

College / School
College of Letters and Science

Department
Near Eastern Languages and Cultures

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

Students majoring in Iranian Studies may combine the major with specialization in other fields to enhance their career opportunities. Due to the number of additional courses required, they are advised to consider

this option early in their academic career.

Learning Outcomes

1. Demonstrated written and oral mastery of Persian language
2. Demonstrated specific skills and expertise, including research, analysis, and writing
3. Ability to read texts in Persian and analyze the language and cultural context
4. Identification, evaluation, and analysis of historical monuments, periods in time, vocabulary, concepts, and historical figures

Entry to the Major

Transfer Students

Transfer applicants to the Iranian Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of Persian.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses as follows:

Persian

Complete courses from one series below or equivalent:

ELEMENTARY PERSIAN

IRANIAN 1A - Elementary Persian

IRANIAN 1B - Elementary Persian

IRANIAN 1C - Elementary Persian

ACCELERATED ELEMENTARY PERSIAN

IRANIAN 20A - Accelerated Elementary Persian

IRANIAN 20B - Accelerated Elementary Persian

IRANIAN 20C - Accelerated Elementary Persian

Iranian 55 or M60

Select one course from:

IRANIAN 55 - Gender and Sexuality in Arts and Literatures of Iran and Middle East

IRANIAN M60 - Achaemenid Civilization and Empire of Alexander

The Major

Complete 11 courses as follows:

Iranian Language and Civilization

Complete seven courses as follows:

REQUIRED

Select three courses from:

IRANIAN 102A - Intermediate Persian

IRANIAN 102B - Intermediate Persian

IRANIAN 102C - Intermediate Persian

IRANIAN 103A - Advanced Persian: Introduction to Classical Persian Poetry

IRANIAN 103B - Advanced Persian: Introduction to Classical Persian Prose

IRANIAN 103C - Advanced Persian: Introduction to Contemporary Persian Poetry and Prose

IRANIAN 120 - Comparative Study of Six Major Persian Poets

IRANIAN 140 - Persian Belles Lettres (Adabiyyat)

IRANIAN 141 - Persian Analytical Prose

IRANIAN 142 - Persian Popular Ethics

ADDITIONAL IRANIAN LANGUAGE AND CIVILIZATION COURSES

Select an additional four courses from the following list or the required course list:

AN N EA CM163 - Archaeology of Iran

IRANIAN M110A - Iranian Civilization: History of Achaemenid Empire

IRANIAN M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

IRANIAN M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

IRANIAN 161A - Elementary Middle Iranian

IRANIAN 161B - Elementary Middle Iranian

IRANIAN 161C - Elementary Middle Iranian

IRANIAN CM163 - Archaeology of Iran

IRANIAN 164 - Ancient Cities of Iran: Archaeological Survey of Historic Cities and Sites of Iran from 4000 BC to 1900 AD

IRANIAN 169 - Civilization of Pre-Islamic Iran

IRANIAN 170 - Religion in Ancient Iran

Electives

Select four courses from the department or from:

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS C120 - Selected Topics in Islamic Art

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

IRANIAN 104 - Philosophical Texts

IRANIAN M105A - Bahá'í Faith in Iran: Historical and Sociological Survey

IRANIAN M105B - Bahá'í Faith in Iran: Survey of Bahá'í Scriptures and Thought

IRANIAN M115A - Elementary Azeri

IRANIAN M115B - Elementary Azeri

IRANIAN M115C - Elementary Azeri

IRANIAN 130 - Intellectual History of Jews of Persia

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 132 - Intermediate Judeo-Persian Literature and Culture

IRANIAN 150A - Survey of Persian Literature in English

IRANIAN 150B - Survey of Persian Literature in English

IRANIAN M178 - Introduction to History and Culture of Iranian Jews

IRANIAN 187 - Variable Topics in Iranian Studies

POL SCI 157 - Government and Politics in the Middle East

Policies

The Major Policies

A maximum of two Iranian 197 or 199 courses (8 units total) may be applied toward the major.

Major

Jewish Studies BA

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Students are encouraged to spend up to one year in Israel either to (1) study with an education abroad program or (2) study at an Israeli university. For information on studying in Israel, contact the **Education Abroad Program**, 1332 Murphy Hall, 310-825-4889.

Learning Outcomes

1. Demonstrated written and oral mastery of the Hebrew language
2. Demonstrated specific skills and expertise, including research, analysis, and writing
3. Ability to read texts in Hebrew and analyze the language and cultural context
4. Identification, evaluation, and analysis of historical monuments, periods in time, vocabulary, concepts, and historical figures

Entry to the Major

Transfer Students

Transfer applicants to the Jewish Studies major with 90 or more units must complete the following introductory course prior to admission to UCLA: one social, cultural, and religious institutions of Judaism course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses and a foreign language requirement as follows:

JEWISH M10 - Introduction to Judaism

Elective

Select one course from:

AN N EA 10W - Jerusalem: Holy City

AN N EA 12W - Jerusalem: Holy City

JEWISH M67 - Popular Jewish and Israeli Music

JEWISH M80 - Jewish American Experience through Music

JEWISH M82 - Music and Holocaust: Individual Experience

M E STD M50A - First Civilizations

M E STD M50B - Origins of Judaism, Christianity, and Islam

M E STD M50CW - Making and Studying Modern Middle East

Foreign Language

Demonstrate proficiency equivalent to level 3 at UCLA in one foreign language (Arabic, Armenian, Hebrew) in consultation with the department.

The Major

Complete 11 courses as follows:

Hebrew

Select three courses from the following list. Students may substitute another upper-division language (Judeo-Arabic, Judeo-Persian, Ladino, Yiddish) if they can demonstrate its integral role in their specific course of study.

HEBREW 102A - Intermediate Hebrew

HEBREW 102B - Intermediate Hebrew

HEBREW 102C - Intermediate Hebrew

HEBREW 103A - Advanced Hebrew

HEBREW 103B - Advanced Hebrew

HEBREW 103C - Advanced Hebrew

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

HEBREW 111A - Israeli Society through Hebrew Song and Video

HEBREW 111B - Conversational Hebrew

HEBREW 111C - Conversational Hebrew

HEBREW 112 - Readings in Modern Scholarly Hebrew

HEBREW M113 - Contemporary Israeli Short Stories/Novellas and Films in English

HEBREW 120 - Biblical Texts

HEBREW 125 - Hebrew Bible with Medieval Commentaries

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

HEBREW C140 - Modern Hebrew Poetry and Prose

HEBREW 170 - Dead Sea Scrolls

HEBREW 180A - Survey of Hebrew Grammar

HEBREW 180B - Survey of Hebrew Grammar

HEBREW 188FL - Special Studies: Readings in Hebrew

Jewish Studies

Select two courses from:

JEWISH 140A - American Jewish History, 1654 to 1914

JEWISH 140B - American Jewish History, 1914 to the Present

JEWISH M142 - Modern Israel: Politics, Society, Culture

JEWISH M144 - Zionism: Ideology and Practice in Making of Jewish State

JEWISH M178 - Introduction to History and Culture of Iranian Jews

JEWISH M181 - Topics in Jewish History

JEWISH M182A - Ancient Jewish History

JEWISH M182B - Medieval Jewish History

JEWISH M182C - Modern Jewish History

JEWISH M184A - Jewish Civilization: Encounter with Great World Cultures

JEWISH M184B - History of Anti-Semitism

JEWISH M184C - American Jewish Experience

Electives

Select six elective courses from Hebrew or Jewish studies subject areas or from:

AN N EA M135 - Religion in Ancient Israel

AN N EA 162 - Archaeology, Identity, and Bible

AN N EA M170 - Bible and Its Interpreters

ENGL 111A - Hebrew Bible in Translation

ENGL 111C - Topics in Biblical Literature

GERMAN 109 - Jewish Question and German Thought

HIST C191F - Topics in History: Near East

IRANIAN 130 - Intellectual History of Jews of Persia

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 132 - Intermediate Judeo-Persian Literature and Culture

IRANIAN M178 - Introduction to History and Culture of Iranian Jews

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

SEMITIC 130 - Biblical Aramaic

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

YIDDSH 101A - Elementary Yiddish

YIDDSH 101B - Elementary Yiddish

YIDDSH 101C - Elementary Yiddish

YIDDSH 102A - Intermediate Yiddish

YIDDSH 102B - Intermediate Yiddish

YIDDSH 102C - Intermediate Yiddish

YIDDSH 121A - 20th-Century Yiddish Poetry in English Translation

YIDDSH 121B - 20th-Century Yiddish Prose and Drama in English Translation

YIDDSH 121C - Special Topics in Yiddish Literature in English Translation

YIDDSH 130 - Introduction to Yiddish Culture and Language through Film

YIDDSH 131A - Modern Yiddish Poetry

YIDDSH 131B - Modern Yiddish Prose and Drama

YIDDSH 131C - Special Topics in Yiddish Literature

Policies

The Major Policies

Students are encouraged to take a research tutorial within Jewish Studies 197 or 199. A maximum of two 197 or 199 courses (8 units total) may be applied toward the major.

Major

Middle Eastern Studies BA

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Students are encouraged to spend time abroad either to (1) study with an education abroad program or (2) work on a UCLA-affiliated archaeological excavation in the broader Middle East. For information on studying abroad, contact the **Education Abroad Program**, 1332 Murphy Hall, 310-825-4889; for UCLA-affiliated excavations, contact the departmental academic counselor at 310-825-4165.

Learning Outcomes

1. Demonstrated written and oral mastery of a Middle Eastern language
2. Demonstrated specific skills and expertise, including research, analysis, and writing
3. Identification, evaluation, and analysis of historical monuments, periods in time, vocabulary, concepts, and historical figures

Entry to the Major

Transfer Students

Transfer applicants to the Middle Eastern Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of Arabic, Armenian, Hebrew, Persian, Turkish, or another modern middle Eastern language.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses and foreign language requirement as follows:

Required Courses

Select two courses from:

AN N EA 10W - Jerusalem: Holy City

AN N EA 12W - Jerusalem: Holy City

AN N EA 14W - Medicine, Magic, and Science in Ancient Times

AN N EA 15 - Women and Power in Ancient World

AN N EA 15W - Women and Power in Ancient World

AN N EA M60 - Achaemenid Civilization and Empire of Alexander

HIST 9D - Introduction to Asian Civilizations: History of Middle East

IRANIAN 55 - Gender and Sexuality in Arts and Literatures of Iran and Middle East

IRANIAN M60 - Achaemenid Civilization and Empire of Alexander

ISLM ST M20 - Introduction to Islam

JEWISH M10 - Introduction to Judaism

M E STD M50A - First Civilizations

M E STD M50B - Origins of Judaism, Christianity, and Islam

M E STD M50CW - Making and Studying Modern Middle East

NR EAST M20 - Visible Language: Study of Writing

NR EAST 65 - Global Time Travel

Middle Eastern Language

Demonstrate proficiency equivalent to level 3 at UCLA in one modern Middle Eastern language (Arabic, Armenian, Hebrew, Persian, Turkish) or through a departmental language placement examination. Students selecting ancient languages (including Akkadian, Aramaic, Coptic, Egyptian, Old or Middle Iranian, Sumerian, Syriac) are not required to take a modern elementary Middle Eastern language.

The Major

Complete 11 courses as follows:

Required Core Courses:

Select a total of six courses, including at least two from three of the following four areas:

HISTORY

AN N EA M103A - History of Ancient Egypt

AN N EA M103B - History of Ancient Egypt

AN N EA M104A - History of Ancient Mesopotamia and Syria

AN N EA M110A - Iranian Civilization: History of Achaemenid Empire

AN N EA M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

AN N EA M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

ANTHRO 166P - Sub-Saharan Africa

ARABIC M171 - Culture Area of Maghrib (North Africa)

ARMENIA 130 - Armenian Civilization under Bagratid Dynasty, 884 to 1064

ARMENIA 131 - Armenian Civilization in Cilician Period, 1080 to 1375

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M108C - Culture Area of Maghrib (North Africa)

IRANIAN M110A - Iranian Civilization: History of Achaemenid Empire

IRANIAN M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

IRANIAN M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

IRANIAN CM163 - Archaeology of Iran

IRANIAN 164 - Ancient Cities of Iran: Archaeological Survey of Historic Cities and Sites of Iran from 4000 BC to 1900 AD

IRANIAN M178 - Introduction to History and Culture of Iranian Jews

JEWISH M178 - Introduction to History and Culture of Iranian Jews

JEWISH M182A - Ancient Jewish History

JEWISH M182B - Medieval Jewish History

JEWISH M182C - Modern Jewish History

JEWISH M184A - Jewish Civilization: Encounter with Great World Cultures

JEWISH M184B - History of Anti-Semitism

JEWISH M184C - American Jewish Experience

JEWISH M184D - History of Zionism and State of Israel

LANGUAGE

AN N EA 120A - Elementary Ancient Egyptian

AN N EA 120B - Elementary Ancient Egyptian

AN N EA 120C - Elementary Ancient Egyptian

AN N EA C123A - Coptic

AN N EA C123B - Coptic

AN N EA 140A - Elementary Sumerian

AN N EA 140B - Elementary Sumerian

AN N EA 140C - Elementary Sumerian

AN N EA M168A - Elementary Hittite

ARABIC 102A - Intermediate Standard Arabic

ARABIC 102B - Intermediate Standard Arabic

ARABIC 102C - Intermediate Standard Arabic

ARABIC 103A - Advanced Arabic

ARABIC 103B - Advanced Arabic

ARABIC 103C - Advanced Arabic

ARABIC 112A - Advanced Spoken Egyptian Arabic

ARABIC 112B - Advanced Spoken Egyptian Arabic

ARABIC 112C - Advanced Spoken Egyptian Arabic

ARMENIA 102A - Intermediate Modern Western Armenian

ARMENIA 102B - Intermediate Modern Western Armenian

ARMENIA 102C - Intermediate Modern Western Armenian

ARMENIA 103A - Advanced Modern Western Armenian

ARMENIA 103B - Advanced Modern Western Armenian

ARMENIA 103C - Advanced Modern Western Armenian

ARMENIA 105A - Intermediate Modern Eastern Armenian

ARMENIA 105B - Intermediate Modern Eastern Armenian

ARMENIA 105C - Intermediate Modern Eastern Armenian

ARMENIA 106A - Armenian Society and Culture

ARMENIA 106B - Armenian Society and Culture

ARMENIA 106C - Armenian Society and Culture

HEBREW 102A - Intermediate Hebrew

HEBREW 102B - Intermediate Hebrew

HEBREW 102C - Intermediate Hebrew

HEBREW 103A - Advanced Hebrew

HEBREW 103B - Advanced Hebrew

HEBREW 103C - Advanced Hebrew

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

IRANIAN 103A - Advanced Persian: Introduction to Classical Persian Poetry

IRANIAN 103B - Advanced Persian: Introduction to Classical Persian Prose

IRANIAN 103C - Advanced Persian: Introduction to Contemporary Persian Poetry and Prose

IRANIAN 161A - Elementary Middle Iranian

IRANIAN 161B - Elementary Middle Iranian

IRANIAN 161C - Elementary Middle Iranian

SEMITIC 110 - Neo-Aramaic

SEMITIC 115 - Syriac

SEMITIC 130 - Biblical Aramaic

SEMITIC M140A - Elementary Akkadian

SEMITIC 140B - Elementary Akkadian

SEMITIC 141 - Advanced Akkadian

TURKIC 102A - Advanced Turkish

TURKIC 102B - Advanced Turkish

TURKIC 102C - Advanced Turkish

TURKIC 112A - Advanced Uzbek

TURKIC 112B - Advanced Uzbek

TURKIC 112C - Advanced Uzbek

TURKIC 116A - Advanced Azeri

TURKIC 116B - Advanced Azeri

TURKIC 116C - Advanced Azeri

LITERATURE

AN N EA 150A - Heroes, Gods, and Monsters: Literature and Epic in Mesopotamia

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

ARABIC M110 - One Thousand and One Nights/Alf Layla Wa-Layla

ARABIC C141 - Modern Arabic Literature

ARABIC M148 - Contemporary Arab Film and Song

HEBREW 120 - Biblical Texts

HEBREW 125 - Hebrew Bible with Medieval Commentaries

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

HEBREW C140 - Modern Hebrew Poetry and Prose

HEBREW 170 - Dead Sea Scrolls

JEWISH M113 - Contemporary Israeli Short Stories/Novellas and Films in English

JEWISH 143 - Introduction to Jewish Folklore

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

JEWISH 150B - Hebrew Literature in English: Rabbinic Judaism

JEWISH M151A - Modern Jewish Literature in English: Diaspora Literature

JEWISH 151B - Modern Jewish Literature in English: Israeli Literature

JEWISH M162 - Israel Seen through Its Literature

JEWISH 170 - Dead Sea Scrolls and Early Judaism

JEWISH 175 - Modern Israeli Literature Made into Films

JEWISH M187 - Holocaust in Literature

IRANIAN 120 - Comparative Study of Six Major Persian Poets

IRANIAN 130 - Intellectual History of Jews of Persia

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 132 - Intermediate Judeo-Persian Literature and Culture

IRANIAN 140 - Persian Belles Lettres (Adabiyyat)

IRANIAN 141 - Persian Analytical Prose

IRANIAN 150A - Survey of Persian Literature in English

IRANIAN 150B - Survey of Persian Literature in English

RELIGION

AN N EA M130 - Ancient Egyptian Religion

AN N EA M135 - Religion in Ancient Israel

AN N EA M170 - Bible and Its Interpreters

AN N EA M185D - Religions of Ancient Near East

HIST M106 - Premodern Islam

IRANIAN 170 - Religion in Ancient Iran

ISLM ST CM115 - Islam and Other Religions

ISLM ST 130 - Shi'a in Islamic History

ISLM ST C151 - Islamic Thought

JEWISH M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

JEWISH 170 - Dead Sea Scrolls and Early Judaism

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

Required Elective Courses

Select any five courses from the department or from:

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ANTHRO 167 - Culture Area of Middle East

ART HIS C116A - Middle Byzantine Art and Architecture

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS C120 - Selected Topics in Islamic Art

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ETHNMUS 161L - Advanced World Music Performance Organizations: Music of Persia

ETHNMUS 161N - Advanced World Music Performance Organizations: Music of Near East

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 160 - Francophone Cultures in English

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M106 - Premodern Islam

HIST 107A - Armenian History: Armenia in Ancient and Medieval Times, 2nd Millennium BC to AD 11th Century

HIST 107B - Armenian History: Armenia from Cilician Kingdom through Periods of Foreign Domination and National Stirrings, 11th to 19th Centuries

HIST 107C - Armenian History: Armenia in Modern and Contemporary Times, 19th and 20th Centuries

HIST 107D - Introduction to Armenian Oral History

HIST 108A - History of North Africa from Islamic Conquest

HIST 108B - History of Islamic Iberia

HIST 109B - History of Israeli-Palestinian Conflict, 1881 to Present

HIST M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 111C - Topics in Middle Eastern History: Modern

HIST 116A - Byzantine History

HIST 116B - Byzantine History

HIST 164B - Topics in African History: Africa and Slave Trade

HIST 167A - History of Northeast Africa

HIST M184D - History of Zionism and State of Israel

HIST M185F - History of Early Christians

HIST M185G - Religious Environment of Early Christians

HIST M185I - Jesus of Nazareth in Historical Research

PHILOS 104 - Topics in Islamic Philosophy

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

Policies

The Major Policies

Students may petition to substitute a core or elective course with a departmental independent study/directed research course (197, 198, or 199) as long as it covers a topic relevant to Middle Eastern studies. No more than two 197, 198, or 199 courses (8 to 10 units) may be applied toward the major.

Minor

Ancient Near East and Egyptology Minor

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Level

Undergraduate

Entry to the Minor

Admission

To enter the Ancient Near East and Egyptology minor, students must have an overall grade-point average

of 2.0 or better and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from:

- AN N EA 10W - Jerusalem: Holy City
- AN N EA 12W - Jerusalem: Holy City
- AN N EA 14W - Medicine, Magic, and Science in Ancient Times
- AN N EA 15 - Women and Power in Ancient World
- AN N EA 15W - Women and Power in Ancient World
- M E STD M50A - First Civilizations
- M E STD M50B - Origins of Judaism, Christianity, and Islam
- M E STD M50CW - Making and Studying Modern Middle East
- NR EAST M20 - Visible Language: Study of Writing

Required Upper-Division Core Courses (12 to 15 units)

Select three courses from:

- AN N EA CM101A - Art and Architecture of Ancient Egypt, Predynastic Period to New Kingdom
- AN N EA CM101B - Art and Architecture of Ancient Egypt, New Kingdom to Greco-Roman Period
- AN N EA M101C - Ancient Egyptian Temple and City of Thebes
- AN N EA M103A - History of Ancient Egypt
- AN N EA M103B - History of Ancient Egypt
- AN N EA M104A - History of Ancient Mesopotamia and Syria

AN N EA M104B - Sumerians

AN N EA M104C - Babylonians

AN N EA M104D - Assyrians

AN N EA M105 - Archaeology of Egypt and Sudan

AN N EA M110A - Iranian Civilization: History of Achaemenid Empire

AN N EA M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

AN N EA M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

AN N EA 120A - Elementary Ancient Egyptian

AN N EA 120B - Elementary Ancient Egyptian

AN N EA 120C - Elementary Ancient Egyptian

AN N EA M130 - Ancient Egyptian Religion

AN N EA M135 - Religion in Ancient Israel

AN N EA 140A - Elementary Sumerian

AN N EA 140B - Elementary Sumerian

AN N EA 150A - Heroes, Gods, and Monsters: Literature and Epic in Mesopotamia

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

AN N EA 162 - Archaeology, Identity, and Bible

AN N EA CM163 - Archaeology of Iran

AN N EA C165 - Egyptian Archaeology

AN N EA M170 - Bible and Its Interpreters

AN N EA 175 - Conceptions of Race in Ancient Egypt

AN N EA M185D - Religions of Ancient Near East

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

HEBREW 110C - Readings in Biblical Hebrew

IRANIAN 170 - Religion in Ancient Iran

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

SEMITIC M140A - Elementary Akkadian

SEMITIC 140B - Elementary Akkadian

Required Elective Courses (8 to 10 units)

Select two courses from:

AN N EA 121A - Intermediate Ancient Egyptian Readings

AN N EA 121B - Intermediate Ancient Egyptian Readings

AN N EA 121C - Intermediate Ancient Egyptian Readings

AN N EA C123A - Coptic

AN N EA C123B - Coptic

AN N EA 124 - Middle Egyptian Technical Literature

AN N EA 125A - Digital Cultural Mapping Core Course A: Place, Time, and Digital World

AN N EA M125B - Digital Cultural Mapping Core Course B: Google Earth, Geographic Information Systems, Hypercities, and Timelines

AN N EA M125C - Digital Cultural Mapping Core Course C: Summer Research

AN N EA 160 - Origins of Agriculture

AN N EA 161 - Archaeology of Prehistoric Mesopotamia

AN N EA M166 - Art and Death in Ancient Egypt

AN N EA M167 - Magic in Ancient World

AN N EA M168A - Elementary Hittite

AN N EA CM169 - Introduction to Archaeological Sciences

AN N EA C177 - Variable Topics in Ancient Near East

ANTHRO 110 - Principles of Archaeology

ANTHRO CM110Q - Introduction to Archaeological Sciences

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 112R - Cities Past and Present

ANTHRO 117P - Selected Laboratory Topics in Archaeology

ANTHRO 130 - Study of Culture

ANTHRO M150 - Language in Culture

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

HEBREW 110C - Readings in Biblical Hebrew

HEBREW 125 - Hebrew Bible with Medieval Commentaries

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

HEBREW 188FL - Special Studies: Readings in Hebrew

JEWISH 150B - Hebrew Literature in English: Rabbinic Judaism

JEWISH 170 - Dead Sea Scrolls and Early Judaism

RELIGN M186A - History of Early Christians

RELIGN M186B - Religious Environment of Early Christians

RELIGN M186C - Jesus of Nazareth in Historical Research

SEMITIC 130 - Biblical Aramaic

SEMITIC 141 - Advanced Akkadian

SEMITIC 142 - Akkadian Literary Texts

Policies

The Minor Policies

A maximum of 4 graded units of special studies courses (197, 198, 199) approved by the adviser may be applied toward the minor. No course for the minor or preparation for the minor may be taken on a P/NP grading basis.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Arabic and Islamic Studies Minor

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Level

Undergraduate

Overview

The Arabic and Islamic Studies minor is designed for students who wish to augment their major program with a group of related courses that provide a systematic introduction to the study of Arabic language and literature and Islam.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Required Lower-Division Courses (15 units)

Complete the following three courses or equivalent:

ARABIC 1A - Elementary Standard Arabic

ARABIC 1B - Elementary Standard Arabic

ARABIC 1C - Elementary Standard Arabic

Required Upper-Division Courses (20 units)

Complete five courses in Arabic or Islamic studies; 199 courses may not be applied. The following courses recommended as electives for the major in Arabic may be applied:

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS C120 - Selected Topics in Islamic Art

COM LIT 100 - Introduction to Literary and Critical Theory

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M106 - Premodern Islam

HIST 108B - History of Islamic Iberia

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 111C - Topics in Middle Eastern History: Modern

HIST 130 - History of European Political Thought

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

Policies

The Minor Policies

With consent of the undergraduate adviser, two of the five courses may be taken outside the department. Other courses may be applied with consent of the adviser.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Armenian Studies Minor

College / School
College of Letters and Science

Department
Near Eastern Languages and Cultures

Level
Undergraduate

Overview

The Armenian Studies minor is designed for students who wish to augment their major program with a group of courses that provide a systematic introduction to the study of Armenian culture.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Complete seven upper-division courses (35 units) as follows:

Armenian Language

Select three courses from:

ARMENIA 101A - Elementary Modern Western Armenian

ARMENIA 101B - Elementary Modern Western Armenian

ARMENIA 101C - Elementary Modern Western Armenian

ARMENIA 102A - Intermediate Modern Western Armenian

ARMENIA 102B - Intermediate Modern Western Armenian

ARMENIA 102C - Intermediate Modern Western Armenian

ARMENIA 103A - Advanced Modern Western Armenian

ARMENIA 103B - Advanced Modern Western Armenian

ARMENIA 103C - Advanced Modern Western Armenian

ARMENIA 104A - Elementary Modern Eastern Armenian

ARMENIA 104B - Elementary Modern Eastern Armenian

ARMENIA 104C - Elementary Modern Eastern Armenian

ARMENIA 105A - Intermediate Modern Eastern Armenian

ARMENIA 105B - Intermediate Modern Eastern Armenian

ARMENIA 105C - Intermediate Modern Eastern Armenian

ARMENIA 106A - Armenian Society and Culture

ARMENIA 106B - Armenian Society and Culture

ARMENIA 106C - Armenian Society and Culture

Armenian Electives

Complete four courses from the Armenian section of the department.

Policies

The Minor Policies

Course 199 may not be applied. With consent of the undergraduate adviser, two of the five courses may be taken outside the department. Ordinarily, the following courses may be applied: History 107A through 107E, Indo-European Studies M150.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Hebrew and Jewish Studies Minor

College / School
College of Letters and Science

Department
Near Eastern Languages and Cultures

Level
Undergraduate

Entry to the Minor

Admission

To enter the Hebrew and Jewish Studies minor, students must have an overall grade-point average of 2.0 or better and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Required Lower-Division Courses (15 units)

Select one option from:

ELEMENTARY HEBREW

HEBREW 1A - Elementary Hebrew

HEBREW 1B - Elementary Hebrew

HEBREW 1C - Elementary Hebrew

INTENSIVE ELEMENTARY HEBREW

HEBREW 8 - Elementary Hebrew: Intensive

Required Upper-Division Courses (20 units)

Complete five courses from the Hebrew or Jewish studies section of the department; 199 courses may not be applied. With consent of the undergraduate adviser and based on course content, two of the five courses may be taken outside the department.

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Iranian Studies Minor

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Level

Undergraduate

Entry to the Minor

Admission

To enter the Iranian Studies minor, students must have an overall grade-point average of 2.0 or better and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Required Lower-Division Courses (10 to 11 units)

Complete two courses as follows:

ELEMENTARY PERSIAN

Select one course from the following or an equivalent:

IRANIAN 1C - Elementary Persian

IRANIAN 20C - Accelerated Elementary Persian

IRANIAN 55 OR M60

Select one course from:

IRANIAN 55 - Gender and Sexuality in Arts and Literatures of Iran and Middle East

IRANIAN M60 - Achaemenid Civilization and Empire of Alexander

Required Upper-Division Courses (20 to 23 units)

Complete five courses as follows:

LANGUAGE AND CIVILIZATION

Select three courses from:

IRANIAN 102A - Intermediate Persian

IRANIAN 102B - Intermediate Persian

IRANIAN 102C - Intermediate Persian

IRANIAN 103A - Advanced Persian: Introduction to Classical Persian Poetry

IRANIAN 103B - Advanced Persian: Introduction to Classical Persian Prose

IRANIAN 103C - Advanced Persian: Introduction to Contemporary Persian Poetry and Prose

IRANIAN M110A - Iranian Civilization: History of Achaemenid Empire

IRANIAN M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

IRANIAN M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

IRANIAN 120 - Comparative Study of Six Major Persian Poets

IRANIAN 140 - Persian Belles Lettres (Adabiyyat)

IRANIAN 141 - Persian Analytical Prose

IRANIAN 142 - Persian Popular Ethics

IRANIAN 161A - Elementary Middle Iranian

IRANIAN 161B - Elementary Middle Iranian

IRANIAN 161C - Elementary Middle Iranian

IRANIAN 164 - Ancient Cities of Iran: Archaeological Survey of Historic Cities and Sites of Iran from 4000 BC to 1900 AD

IRANIAN 169 - Civilization of Pre-Islamic Iran

IRANIAN 170 - Religion in Ancient Iran

ELECTIVES

Select two courses from:

IRANIAN M105A - Bahá'í Faith in Iran: Historical and Sociological Survey

IRANIAN M105B - Bahá'í Faith in Iran: Survey of Bahá'í Scriptures and Thought

IRANIAN M105C - Bahá'í Faith in Iran: 20th Century-Iran and the Bahá'ís

IRANIAN M115A - Elementary Azeri

IRANIAN M115B - Elementary Azeri

IRANIAN M115C - Elementary Azeri

IRANIAN 130 - Intellectual History of Jews of Persia

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 132 - Intermediate Judeo-Persian Literature and Culture

IRANIAN 150A - Survey of Persian Literature in English

IRANIAN 150B - Survey of Persian Literature in English

IRANIAN CM163 - Archaeology of Iran

IRANIAN M178 - Introduction to History and Culture of Iranian Jews

IRANIAN 187 - Variable Topics in Iranian Studies

Policies

The Minor Policies

A maximum of 4 units of special studies courses (197, 198, 199) approved by the adviser may be applied toward the minor. No course for the minor may be taken on a P/NP grading basis.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Israel Studies Minor

College / School
College of Letters and Science

Department
Near Eastern Languages and Cultures

Level

Undergraduate

Overview

The Israel Studies minor is designed for students interested in adding a particular focus on Israel to their major. Comprised of coursework that serves to create a broad introductory foundation of familiarity with Israeli history, society, politics, and culture, the minor is appropriate for students from a wide range of majors including Art, Comparative Literature, Film and Television, History, Jewish Studies, Middle Eastern Studies, Political Science, and Study of Religion.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better, completed Middle Eastern Studies M50CW or equivalent, and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Select two courses from:

- AN N EA 10W - Jerusalem: Holy City
- AN N EA 12W - Jerusalem: Holy City
- JEWISH M10 - Introduction to Judaism
- M E STD M50A - First Civilizations
- M E STD M50B - Origins of Judaism, Christianity, and Islam
- M E STD M50CW - Making and Studying Modern Middle East

Required Upper-Division Courses (20 to 25 units)

Complete five courses as follows:

- JEWISH M142 - Modern Israel: Politics, Society, Culture
- JEWISH M144 - Zionism: Ideology and Practice in Making of Jewish State

CATEGORIES

Select three courses from at least two of the following categories:

Language

ARABIC 102A - Intermediate Standard Arabic

ARABIC 102B - Intermediate Standard Arabic

ARABIC 102C - Intermediate Standard Arabic

ARABIC 103A - Advanced Arabic

ARABIC 103B - Advanced Arabic

ARABIC 103C - Advanced Arabic

HEBREW 102A - Intermediate Hebrew

HEBREW 102B - Intermediate Hebrew

HEBREW 102C - Intermediate Hebrew

HEBREW 103A - Advanced Hebrew

HEBREW 103B - Advanced Hebrew

HEBREW 103C - Advanced Hebrew

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

HEBREW 110C - Readings in Biblical Hebrew

HEBREW 111A - Israeli Society through Hebrew Song and Video

HEBREW 112 - Readings in Modern Scholarly Hebrew

Literature, Arts, and Culture

ARABIC 120 - Islamic Texts

ARABIC M123 - Oral Literature and Performance of Arab World

ARABIC 130 - Classical Arabic Texts

ARABIC M148 - Contemporary Arab Film and Song

HEBREW M113 - Contemporary Israeli Short Stories/Novellas and Films in English

HEBREW C140 - Modern Hebrew Poetry and Prose

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

JEWISH 150B - Hebrew Literature in English: Rabbinic Judaism

JEWISH 151B - Modern Jewish Literature in English: Israeli Literature

JEWISH M162 - Israel Seen through Its Literature

JEWISH 175 - Modern Israeli Literature Made into Films

M E STD C122 - History, Memory, and Identity in Israel

Politics

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

Regional and Historical Setting

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

RELIGN 110 - Religion and Violence

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

Policies

The Minor Policies

A maximum of 4 graded units of special studies courses (197, 198, 199) approved by the department may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Middle Eastern Studies Minor

College / School
College of Letters and Science

Department
Near Eastern Languages and Cultures

Level

Undergraduate

Overview

The Middle Eastern Studies minor is designed for students who wish to augment their major program in the College of Letters and Science with a group of related courses from various linguistic, literary, archaeological, and historical disciplines of the Near East, from ancient Egypt, Mesopotamia, and biblical studies to the modern Arabic, Armenian, Iranian, Jewish, and Turkish world.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and file a petition in 378 Kaplan Hall, 310-825-4165.

Minor Requirements

The Minor

Required Lower-Division Courses (9 to 10 units)

Select two courses from:

- AN N EA 10W - Jerusalem: Holy City
- AN N EA 12W - Jerusalem: Holy City
- AN N EA 14W - Medicine, Magic, and Science in Ancient Times
- AN N EA 15 - Women and Power in Ancient World
- AN N EA 15W - Women and Power in Ancient World
- AN N EA M60 - Achaemenid Civilization and Empire of Alexander
- HIST 9D - Introduction to Asian Civilizations: History of Middle East
- IRANIAN 55 - Gender and Sexuality in Arts and Literatures of Iran and Middle East
- IRANIAN M60 - Achaemenid Civilization and Empire of Alexander
- ISLM ST M20 - Introduction to Islam
- JEWISH M10 - Introduction to Judaism
- M E STD M50A - First Civilizations
- M E STD M50B - Origins of Judaism, Christianity, and Islam
- M E STD M50CW - Making and Studying Modern Middle East

NR EAST M20 - Visible Language: Study of Writing

NR EAST 65 - Global Time Travel

Required Upper-Division Courses (20 units):

Complete a total of five courses, including at least three from one of the following four areas:

AREAS

History

AN N EA M103A - History of Ancient Egypt

AN N EA M103B - History of Ancient Egypt

AN N EA M104A - History of Ancient Mesopotamia and Syria

AN N EA M110A - Iranian Civilization: History of Achaemenid Empire

AN N EA M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

AN N EA M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

ANTHRO 166P - Sub-Saharan Africa

ARABIC M171 - Culture Area of Maghrib (North Africa)

ARMENIA 130 - Armenian Civilization under Bagratid Dynasty, 884 to 1064

ARMENIA 131 - Armenian Civilization in Cilician Period, 1080 to 1375

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M108C - Culture Area of Maghrib (North Africa)

IRANIAN M110A - Iranian Civilization: History of Achaemenid Empire

IRANIAN M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

IRANIAN M110C - Iranian Civilization: History of Early Sasanian Empire—From Ardashir I to Rise of Peroz (circa 224-459 CE)

IRANIAN CM163 - Archaeology of Iran

IRANIAN 164 - Ancient Cities of Iran: Archaeological Survey of Historic Cities and Sites of Iran from 4000 BC to 1900 AD

IRANIAN M178 - Introduction to History and Culture of Iranian Jews

JEWISH M178 - Introduction to History and Culture of Iranian Jews

JEWISH M182A - Ancient Jewish History

JEWISH M182B - Medieval Jewish History

JEWISH M182C - Modern Jewish History

JEWISH M184A - Jewish Civilization: Encounter with Great World Cultures

JEWISH M184B - History of Anti-Semitism

JEWISH M184C - American Jewish Experience

JEWISH M184D - History of Zionism and State of Israel

Language

AN N EA 120A - Elementary Ancient Egyptian

AN N EA 120B - Elementary Ancient Egyptian

AN N EA 120C - Elementary Ancient Egyptian

AN N EA C123A - Coptic

AN N EA C123B - Coptic

AN N EA 140A - Elementary Sumerian

AN N EA 140B - Elementary Sumerian

AN N EA 140C - Elementary Sumerian

AN N EA M168A - Elementary Hittite

ARABIC 102A - Intermediate Standard Arabic

ARABIC 102B - Intermediate Standard Arabic

ARABIC 102C - Intermediate Standard Arabic

ARABIC 103A - Advanced Arabic

ARABIC 103B - Advanced Arabic

ARABIC 103C - Advanced Arabic

ARABIC 112A - Advanced Spoken Egyptian Arabic

ARABIC 112B - Advanced Spoken Egyptian Arabic

ARABIC 112C - Advanced Spoken Egyptian Arabic

ARMENIA 102A - Intermediate Modern Western Armenian

ARMENIA 102B - Intermediate Modern Western Armenian

ARMENIA 102C - Intermediate Modern Western Armenian

ARMENIA 103A - Advanced Modern Western Armenian

ARMENIA 103B - Advanced Modern Western Armenian

ARMENIA 103C - Advanced Modern Western Armenian

ARMENIA 105A - Intermediate Modern Eastern Armenian

ARMENIA 105B - Intermediate Modern Eastern Armenian

ARMENIA 105C - Intermediate Modern Eastern Armenian

ARMENIA 106A - Armenian Society and Culture

ARMENIA 106B - Armenian Society and Culture

ARMENIA 106C - Armenian Society and Culture

HEBREW 102A - Intermediate Hebrew

HEBREW 102B - Intermediate Hebrew

HEBREW 102C - Intermediate Hebrew

HEBREW 103A - Advanced Hebrew

HEBREW 103B - Advanced Hebrew

HEBREW 103C - Advanced Hebrew

HEBREW 110A - Introduction to Biblical Hebrew: Phonology, Morphology, and Structure of Biblical Hebrew

HEBREW 110B - Introduction to Biblical Hebrew: Readings of Biblical Prose Texts

HEBREW 110C - Readings in Biblical Hebrew

IRANIAN 102A - Intermediate Persian

IRANIAN 102B - Intermediate Persian

IRANIAN 102C - Intermediate Persian

IRANIAN 103A - Advanced Persian: Introduction to Classical Persian Poetry

IRANIAN 103B - Advanced Persian: Introduction to Classical Persian Prose

IRANIAN 103C - Advanced Persian: Introduction to Contemporary Persian Poetry and Prose

IRANIAN 161A - Elementary Middle Iranian

IRANIAN 161B - Elementary Middle Iranian

IRANIAN 161C - Elementary Middle Iranian

SEMITIC 110 - Neo-Aramaic

SEMITIC 115 - Syriac

SEMITIC 130 - Biblical Aramaic

SEMITIC M140A - Elementary Akkadian

SEMITIC 140B - Elementary Akkadian

SEMITIC 141 - Advanced Akkadian

TURKIC 102A - Advanced Turkish

TURKIC 102B - Advanced Turkish

TURKIC 102C - Advanced Turkish

TURKIC 112A - Advanced Uzbek

TURKIC 112B - Advanced Uzbek

TURKIC 112C - Advanced Uzbek

TURKIC 116A - Advanced Azeri

TURKIC 116B - Advanced Azeri

TURKIC 116C - Advanced Azeri

Literature

AN N EA 150A - Heroes, Gods, and Monsters: Literature and Epic in Mesopotamia

AN N EA 150B - Survey of Ancient Near Eastern Literatures in English: Egypt

ARABIC M110 - One Thousand and One Nights/Alf Layla Wa-Layla

ARABIC C141 - Modern Arabic Literature

ARABIC M148 - Contemporary Arab Film and Song

HEBREW 120 - Biblical Texts

HEBREW 125 - Hebrew Bible with Medieval Commentaries

HEBREW 130 - Rabbinic Texts

HEBREW 135 - Medieval Hebrew Texts

HEBREW C140 - Modern Hebrew Poetry and Prose

HEBREW 170 - Dead Sea Scrolls

JEWISH M113 - Contemporary Israeli Short Stories/Novellas and Films in English

JEWISH 143 - Introduction to Jewish Folklore

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

JEWISH 150B - Hebrew Literature in English: Rabbinic Judaism

JEWISH M151A - Modern Jewish Literature in English: Diaspora Literature

JEWISH M162 - Israel Seen through Its Literature

JEWISH 170 - Dead Sea Scrolls and Early Judaism

JEWISH 175 - Modern Israeli Literature Made into Films

JEWISH M187 - Holocaust in Literature

IRANIAN 120 - Comparative Study of Six Major Persian Poets

IRANIAN 130 - Intellectual History of Jews of Persia

IRANIAN 131 - Introduction to Judeo-Persian: Literature and Culture

IRANIAN 132 - Intermediate Judeo-Persian Literature and Culture

IRANIAN 140 - Persian Belles Lettres (Adabiyyat)

IRANIAN 141 - Persian Analytical Prose

IRANIAN 150A - Survey of Persian Literature in English

IRANIAN 150B - Survey of Persian Literature in English

Religion

AN N EA M130 - Ancient Egyptian Religion

AN N EA M135 - Religion in Ancient Israel

AN N EA M185D - Religions of Ancient Near East

HIST M106 - Premodern Islam

IRANIAN 170 - Religion in Ancient Iran

ISLM ST CM115 - Islam and Other Religions

ISLM ST 130 - Shi'a in Islamic History

ISLM ST C151 - Islamic Thought

JEWISH M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

JEWISH 170 - Dead Sea Scrolls and Early Judaism

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

REQUIRED ELECTIVE COURSES

Up to two additional courses may be selected from the department or from:

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ANTHRO 167 - Culture Area of Middle East

ART HIS C116A - Middle Byzantine Art and Architecture

ART HIS 119A - Western Islamic Art

ART HIS 119B - Eastern Islamic Art

ART HIS C120 - Selected Topics in Islamic Art

ECON 111 - Theories of Development

ECON 112 - Policies for Economic Development

ETHNMUS 161L - Advanced World Music Performance Organizations: Music of Persia

ETHNMUS 161N - Advanced World Music Performance Organizations: Music of Near East

FRNCH 121 - Studies in Francophone Cultures and Literatures

FRNCH 160 - Francophone Cultures in English

HIST 105A - Survey of Middle East, 500 to Present: 500 to 1300

HIST 105B - Survey of Middle East, 500 to Present: 1300 to 1700

HIST 105C - Survey of Middle East, 500 to Present: 1700 to Present

HIST M106 - Premodern Islam

HIST 107A - Armenian History: Armenia in Ancient and Medieval Times, 2nd Millennium BC to AD 11th Century

HIST 107B - Armenian History: Armenia from Cilician Kingdom through Periods of Foreign Domination and National Stirrings, 11th to 19th Centuries

HIST 107C - Armenian History: Armenia in Modern and Contemporary Times, 19th and 20th Centuries

HIST 107D - Introduction to Armenian Oral History

HIST 108A - History of North Africa from Islamic Conquest

HIST 108B - History of Islamic Iberia

HIST 109B - History of Israeli-Palestinian Conflict, 1881 to Present

HIST M110B - Iranian Civilization: History of Arsacid (Parthian) Empire

HIST 111A - Topics in Middle Eastern History: Premodern

HIST 111B - Topics in Middle Eastern History: Early Modern

HIST 111C - Topics in Middle Eastern History: Modern

HIST 116A - Byzantine History

HIST 116B - Byzantine History

HIST 164B - Topics in African History: Africa and Slave Trade

HIST 167A - History of Northeast Africa

HIST M184D - History of Zionism and State of Israel

HIST M185F - History of Early Christians

HIST M185G - Religious Environment of Early Christians

HIST M185I - Jesus of Nazareth in Historical Research

PHILOS 104 - Topics in Islamic Philosophy

POL SCI 132A - International Relations of Middle East

POL SCI M132B - International Relations of Middle East

POL SCI 157 - Government and Politics in the Middle East

POL SCI 165 - Islam and Politics

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

Policies

The Minor Policies

Students may not substitute a core or elective course with a departmental independent study/directed research course (197, 198, or 199).

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Islamic Studies MA, CPhil, PhD

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Arts, Candidate in Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Near Eastern Languages and Cultures MA, CPhil, PhD

College / School

College of Letters and Science

Department

Near Eastern Languages and Cultures

Degree Level

Graduate

Degree Objective

Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Neurobiology Overview

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David Geffen School of Medicine

73-235 Center for Health Sciences
Box 951763
Los Angeles, CA 90095-1763

Neurobiology
310-825-8153
Department e-mail

Paul E. Micevych, PhD, ***Chair***
James W. Bisley, PhD, ***Vice Chair***
Samantha J. Butler, PhD, ***Vice Chair, Equity, Diversity, and Inclusion***
Felix E. Schweizer, PhD, ***Vice Chair, Education***

The Department of Neurobiology is a premier research department and a leading force in neuroscience discovery and education at UCLA and worldwide. Department faculty with diverse research backgrounds in cellular and molecular biology, psychology, and engineering; utilize the most sophisticated technologies available to work in concert with colleagues throughout UCLA and the world to enhance the understanding of the brain and its role in health and disease.

Neurobiology **faculty information** is available from the department.

Subject Areas

Neurobiology courses are in the following subject areas:

- **Medical History**

- **Neurobiology**

Neurology Overview

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David Geffen School of Medicine

C-153 Reed Neurological Research Center
Box 951769
Los Angeles, CA 90095-1769

Neurology
310-825-5521

S. Thomas Carmichael, Jr., MD, PhD, *Chair*
Christopher DeGiorgio, MD, *Vice Chair, Olive View-UCLA*
Charles C. Flippen II, MD, *Vice Chair, Education*
Jason D. Hinman, MD, PhD, *Vice Chair, Research*
Mario F. Mendez, MD, PhD, *Vice Chair, VA Greater Los Angeles Healthcare System*
P. Leia Nghiemphu, MD, *Vice Chair, Academic Affairs*
Martina H. Wiedau, MD, *Vice Chair, Clinical Affairs*
Jeffrey L. Saver, MD, *Senior Associate Vice Chair, Clinical Research*

Neurology is the medical science dealing with the normal and diseased nervous system. Neurological disorders are often associated with significant disability, morbidity, and mortality. Their higher incidence in association with greater longevity of the population, increased awareness, improved diagnostic methods, and other factors place neurological disorders among the major medical problems today. The Department of Neurology and the Reed Neurological Research Center provide means for a coordinated basic science and clinical research approach to neurological disorders, patient care, and neurological education.

The department instructs medical students throughout the four years. Emphasis in the first year is on basic aspects of neuroanatomy, chemistry, and physiology; in the second year, neurological history taking

and neurological examination of afflicted patients are stressed. The third year consists of a clerkship, and the fourth year provides electives in neurology, including an advanced clinical clerkship.

Graduate students and postdoctoral candidates are trained in both the basic and clinical laboratories.

For more details on the Department of Neurology and courses offered, see the **department website**.

Neurology **faculty information** is available from the department.

Neuroscience, Graduate Overview

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Interdepartmental Program
David Geffen School of Medicine

1329 Gonda Center
Box 951761
Los Angeles, CA 90095-1761

Neuroscience Graduate IDP
310-825-8153
Program e-mail

Felix E. Schweizer, PhD, ***Chair***
Thomas J. O'Dell, PhD, ***Vice Chair***

The interdepartmental Neuroscience PhD program prepares students for careers in neuroscience research and education. The hallmark of the program is an integrated approach to study of the nervous system, using the multilevel analytical tools of molecular, cellular, systems, and/or behavioral biology, as well as quantitative approaches from the fields of mathematics, physics, and engineering. Students working at one or two analytical levels nevertheless learn to appreciate the methods and advantages of other levels of analysis. Emphasis is both on mechanisms of neural function and the biological basis of disease. Students select their research mentor from the list of all neuroscience faculty at UCLA.

Information on the undergraduate program in this discipline can be found in the **undergraduate Neuroscience** section.

Neuroscience Faculty Committee

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Aaron P. Blaisdell, PhD *(Psychology)*
Dean V. Buonomano, PhD *(Neurobiology, Psychology)*
S. Thomas Carmichael, Jr., MD, PhD *(Neurology)*
Mirella Dapretto, PhD *(Psychiatry and Biobehavioral Sciences)*
David L. Glanzman, PhD *(Integrative Biology and Physiology, Neurobiology)*
Ming Guo, MD, PhD *(Molecular and Medical Pharmacology, Neurology)*
Paul E. Micevych, PhD *(Neurobiology)*
Thomas J. O'Dell, PhD *(Physiology)*
Alvaro Sagasti, PhD *(Molecular, Cell, and Developmental Biology)*
Felix E. Schweizer, PhD *(Neurobiology)*
Stephanie A. White, PhD *(Integrative Biology and Physiology)*

Major

Neuroscience PhD

College / School
David Geffen School of Medicine

Department
Neuroscience, Graduate

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Neuroscience, Undergraduate

Overview

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Interdepartmental Program
College of Letters and Science

1321 Gonda Center
Box 951761
Los Angeles, CA 90095-1761

Neuroscience Undergraduate IDP
310-206-2349
E-mail contact

Stephanie A. White, PhD, ***Chair***
Kate M. Wassum, PhD, ***Vice Chair***

Neuroscience seeks to understand the brain in health and in disease. Topics of fundamental interest include perception, cognition, learning, memory, motor control, and regulation of body function. The undergraduate interdepartmental program seeks to explore the principles and concepts of this broad range of nervous system function at many levels of analysis, including molecular, cellular, synaptic, network, computational, and behavioral.

Information on the graduate program in this discipline can be found in the **graduate Neuroscience** section.

Neuroscience Faculty Committee

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Scott H. Chandler, PhD *(Integrative Biology and Physiology)*
David L. Glanzman, PhD *(Integrative Biology and Physiology, Neurobiology)*
Paul E. Micevych, PhD *(Neurobiology)*
Patricia E. Phelps, PhD *(Integrative Biology and Physiology)*
Mayumi L. Prins, PhD *(Neurosurgery)*
Kate M. Wassum, PhD *(Psychology)*
Stephanie A. White, PhD *(Integrative Biology and Physiology)*

Major

Neuroscience BS

College / School
College of Letters and Science

Department
Neuroscience, Undergraduate

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Capstone Major

The Neuroscience major is a designated capstone major. Undergraduate students have the option of conducting two terms of independent research within a faculty laboratory, applying to participate in Project Brainstorm or DOPA-Team, or completing an advanced laboratory methods course with a series of

research modules. Through their capstone work, students demonstrate ability to generate testable scientific hypotheses and develop a research plan to test such hypotheses; work on research projects independently and in small groups; evaluate and discuss primary literature and the validity of hypotheses generated by others; communicate effectively orally and in writing; and demonstrate creative thinking.

Learning Outcomes

1. Generation of testable scientific hypotheses and development of a research plan to test such hypotheses
2. Work on research projects independently and in small group settings
3. Evaluation and discussion of primary literature
4. Evaluation of the validity of hypotheses
5. Effective written and oral communication
6. Demonstrated creative thinking

Entry to the Major

Transfer Students

Transfer applicants to the Neuroscience major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, one semester of organic chemistry with laboratory, and one statistics course. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

- **Preparation for the Major**
- **The Major**
- **Honors Program**

Policies

Preparation for the Major Policies

Each core curriculum course must be passed with a grade of C– or better, and all courses must be completed with an overall grade-point average of 2.0 or better. Students receiving grades below C– in two core curriculum courses, either in separate courses or repetitions of the same course, are subject to dismissal from the major.

The Major Policies

No more than eight courses may be from any one department. A maximum of 8 units of Neuroscience 198 or 199 in any combination) may be applied toward the major. Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in all upper-division courses taken for the major.

Capstone

Students who select the Neuroscience 101L, M116A, Psychology M116A, or 116B capstone research option must take four upper-division electives, with at least one from each of the three elective options. Students who select the Neuroscience C177 and 192CX, two quarters of 192BX, 198A and 198B, or 199A and 199B options must take three upper-division electives, one from each elective option.

Honors Program

Majors who have completed all preparation courses with a grade-point average of 3.0 or better and an overall GPA of 3.2 or better may apply for admission to the honors program. Applications and program requirements are available in the Neuroscience Undergraduate Office. Students must submit the application before beginning their upper-division honors requirements. After completion of all requirements and with the recommendation of the faculty sponsor and a second reader of the thesis, the chair confers honors at graduation.

Minor

Neuroscience Minor

College / School
College of Letters and Science

Department
Neuroscience, Undergraduate

Level
Undergraduate

Overview

The Neuroscience minor is designed to allow students in other majors an opportunity to explore the interdisciplinary field of neuroscience in a structured and rigorous way, while pursuing a major field of study in another discipline at the same time.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and a 2.5 GPA in the requisite courses for Neuroscience M101A and M101B.

Minor Requirements

The Minor

Nonscience majors wishing to minor in Neuroscience should be aware that preparation courses in chemistry, life sciences, and physics are requisites to the upper-division course requirements.

Required Upper-Division Courses (approximately 31 units)

Complete seven courses as follows. Neuroscience M101A must be completed with a grade of C– or better.

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

NEUROSC M101B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

ELECTIVES

Select four courses from the following or from any of the three elective options listed under the Neuroscience major:

NEUROSC 101L - Neuroscience Laboratory

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

NEUROSC 199A - Directed Research in Neuroscience

NEUROSC 199B - Directed Research in Neuroscience

Policies

The Minor Policies

Additional elective courses are listed on the Neuroscience major.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Neurosurgery Overview

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David Geffen School of Medicine

562 Wasserman Building
Box 956901
Los Angeles, CA 90095-6901

Neurosurgery
310-267-9449

Linda A. Liau, MD, MBA, PhD, *Chair*

Neurosurgery is a discipline of medicine that provides operative and nonoperative management (i.e., critical care, prevention, diagnosis, evaluation, treatment, and rehabilitation) of disorders of the central, peripheral, and autonomic nervous systems, including their supporting structures and vascular supply; the evaluation and treatment of pathological processes that modify the function or activity of the nervous system, including the hypophysics; and the operative and nonoperative management of pain.

As such, neurosurgery encompasses treatment of adult and pediatric patients with disorders of the nervous system—disorders of the brain, meninges, and skull and their blood supply, including the extracranial carotid and vertebral arteries, disorders of the pituitary gland, disorders of the spinal cord, meninges, and vertebral column, including those that may require treatment by spinal fusion or instrumentation, and disorders of the cranial and spinal nerves throughout their distribution.

For more details on the Department of Neurosurgery, see the **department website**.

Neurosurgery **faculty information** is available from the department.

Nursing Overview

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School of Nursing

2-147 Factor Building
Box 951702
Los Angeles, CA 90095-1702

Nursing
310-825-7181
Department e-mail

Lin Zhan, RN, PhD, FAAN, *Dean*
Dong Sung An, MD, PhD, *Associate Dean, Research and Innovation*
Barbara Bates-Jensen RN, PhD, WOCN, FAAN, *Associate Dean, Academic Affairs*
Nalo M. Hamilton, PhD, MSN, APRN-BC, *Associate Dean, Equity, Diversity, and Inclusion*
Elizabeth Yzquierdo, MPH, EdD, *Associate Dean, Student Affairs*

A strong scientific basis underlies the teaching of nursing practice, leadership, and research. Related clinical experiences are arranged within the Reagan UCLA Medical Center, its affiliates, other major medical centers, or in selected community sites.

At the bachelor's level, nurses are prepared as generalists with special skills in primary, secondary, and tertiary prevention and care within a population-based context, leadership, and evidence-based practice. At the master's level, nurses are prepared as generalists in hospital-based care or for advanced nursing practice as nurse practitioners, or clinical specialists, or administrators in a variety of settings and specialized areas of healthcare. The Doctor of Philosophy (PhD) program prepares scholars who do

original research, generate new theories, and build the scientific basis for professional nursing practice. Research is both basic and applied.

Major

Nursing BS Prelicensure

College / School
School of Nursing

Department
Nursing

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The focus of the prelicensure program is on the preparation of nurse generalists with special skills in primary, secondary, and tertiary prevention and care within an individual- and population-based context

while developing the basics for a strong leadership role. Students learn the art and science of nursing using the latest research findings to guide their practice.

Capstone Major

The Nursing (Prelicensure) major is a designated capstone major. Students complete a clinically based scholarly project that is approved by a designated faculty member. In completing the capstone course, students should select, evaluate, and apply appropriate theory and research findings concerning individual- and population-based health promotion and disease prevention, biobehavioral and health systems, and social environmental, cultural, and human diversity to the nursing process. They should utilize the nursing process to promote biopsychosocial health and disease prevention and to support the resources of culturally diverse clients and families in community- and/or hospital-based settings.

Learning Outcomes

1. Selection, evaluation, and application of appropriate theory and research findings concerning individual- and population-based health promotion and disease prevention, biobehavioral and health systems, social environmental, and cultural and human diversity to the nursing process with a variety of clients, families, and communities from diverse cultural backgrounds
2. Use of the nursing process to promote biopsychosocial health and disease prevention, and to support client resources in community and hospital settings
3. Demonstrated effective communication and collaboration skills with clients, families, research participants, health professionals, and policymakers
4. Identification of practice-based problems and hypotheses, and critique research on issues of importance to nursing and health care delivery within hospital and community settings
5. Effective participation in professional and community organizations and interest groups relevant to health care delivery and modification of nursing standards and practices in keeping

with current trends

6. Demonstrated leadership as a health team member to plan, manage, and evaluate care of individuals, families, and communities

7. Practice of hospital- and community-based nursing using principles of ethics, social justice, and law

Entry to the Major

Admission

The School of Nursing strives to attract a culturally and ethnically diverse student population. Admission is designed for first-year students and transfer students at the junior level. First-year applicants are expected to fulfill the University of California admission requirements. Transfer applicants are expected to fulfill the Intersegmental General Education Transfer Curriculum (IGETC). Students must have a grade of C or better in each requisite course and an overall grade-point average of 3.5 or better.

Two recommendation forms and a written statement of purpose are also required. Diverse life experiences, including previous employment, volunteer work, and community service that reflect leadership, responsibility, multicultural involvement, multilingual abilities, and other unusual skills and knowledge are evaluated for all applicants. Consideration is also given to students who are socially, economically, and educationally disadvantaged. Completed applications should reflect clearly identified career goals and documentation of potential for nursing practice.

Transfer Students

Transfer applicants to the Nursing major with 90 or more units must complete the following introductory courses prior to admission to UCLA: calculus, communications, human anatomy, human physiology, inorganic and organic chemistry, cells, tissues, and organs, microbiology, molecular biology, and introductory or general psychology.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 18 courses as follows:

- BIOSTAT 100 - Introduction to Biostatistics
- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 14B - General Chemistry for Life Scientists II
- CHEM 14C - Structure of Organic Molecules
- LIFESCI 7A - Cell and Molecular Biology
- LIFESCI 7C - Physiology and Human Biology
- MIMG 10 - Medical Microbiology for Nursing Students
- NURSING 3 - Human Physiology for Healthcare Providers
- NURSING 10 - Introduction to Nursing and Social Justice I
- NURSING 13 - Introduction to Human Anatomy
- NURSING 20 - Introduction to Nursing and Social Justice II
- NURSING 50 - Fundamentals of Epidemiology
- NURSING 54A - Pathophysiology I
- NURSING 54B - Pathophysiology II
- NURSING 173W - Introduction to Nursing Research and Writing II
- PSYCH 10 - Introductory Psychology

Communication

Select one course from:

- COMM 1 - Principles of Oral Communication
- COMM 10 - Introduction to Communication

Mathematics

Select one course from:

MATH 3A - Calculus for Life Sciences Students

MATH 31A - Differential and Integral Calculus

The Major

Complete the following 16 courses and one capstone senior scholarly project.

NURSING 115 - Pharmacology and Therapeutics

NURSING 150A - Fundamentals of Professional Nursing I

NURSING 150B - Fundamentals of Professional Nursing II

NURSING 152A - Health Promotion: Growth and Development in Culturally Diverse Populations

NURSING 152B - Health Promotion: Nutrition in Culturally Diverse Populations

NURSING 160 - Secondary Prevention

NURSING 161 - Psychiatric Mental Health Nursing

NURSING 162A - Foundational Concepts for Tertiary Prevention and Care of Medical-Surgical Patients and Families

NURSING 162B - Tertiary Prevention and Care of Medical-Surgical Patients and Families

NURSING 162C - Tertiary Prevention and Care of Complex Medical-Surgical Patients and Families

NURSING 163 - Nursing Care of Geriatric Patients and Families

NURSING 164 - Maternity Nursing

NURSING 165 - Pediatric Nursing

NURSING 168 - Advanced Leadership and Role Integration

NURSING 171 - Public Health Nursing

NURSING 174 - Physical Assessment

Capstone Senior Scholarly Project

Complete the following course:

NURSING 169 - Clinical Internship: Integration

Policies

The Major Policies

Transfer students must complete Biostatistics 100A, Nursing 10, 20, 50, 54A, and 173W on entry.

Students may request to pursue a minor in a related field if the coursework can be completed within the 216-unit limit.

The curriculum at UCLA must be completed with a minimum overall grade-point average of 2.0 (C) or better in all courses taken while a student in the School of Nursing.

Each required nursing course in the school must be completed with a grade of C or better (C– grade is not acceptable).

Nursing Faculty Roster

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Professors

Dong Sung An, MD, PhD
Barbara M. Bates-Jensen, RN, PhD, WOCN, FAAN
Wei-Ti Chen, RN, PhD, CNM, FAAN
Sarah E. Choi, RN, PhD, FNP
Lauren Clark, RN, PhD, FAAN *(Shapiro Family Endowed Professor of Developmental Disability Studies)*
Holli A. DeVon, RN, PhD, FAHA, FAAN *(Audrienne H. Moseley Professor of Community Health Research)*
MarySue V. Heilemann, RN, PhD, FAAN
Felicia S. Hodge, DrPH
Jian Li, MD, PhD
Robert J. Lucero, RN, MPH, PhD, FAAN *(Audrienne H. Moseley Endowed Professor of Equity, Diversity, and Inclusion)*
Paul M. Macey, PhD
Wendie A. Robbins, RN, PhD, NP, FAAN, FAAOHN *(Audrienne H. Moseley Professor of Biological Nursing Science)*
Dorothy J. Wiley, RN, PhD, FAAN
Lin Zhan, RN, PhD, FAAN

Professors Emeriti

Nancy L.R. Anderson, RN, PhD, NP-C, AOCN, FAAN
Lina K. Badr, RN, DNSc, PNP-C, FAAN
Betty L. Chang, RN, DNSc, FNP-C, FAAN

Peggy A. Compton, RN, PhD, FAAN
Lynn V. Doering, PhD, FAHA, FAAN *(Audrienne H. Moseley Professor Emerita of Nursing)*
Jo-Ann O. Eastwood, RN, PhD, CNS, ACNP-BC, FAHA, FAAN
Jacquelyn H. Flaskerud, RN, PhD, FAAN
Deborah Koniak-Griffin, RNC, EdD, FAAN *(Audrienne H. Moseley Professor Emerita of Women's Health Research)*
Eunice E. Lee, PhD, RN, FAAN
Mary A. Lewis, RN, DrPH, FAAN
Sally L. Maliski, RN, PhD
Donna K. McNeese-Smith, RN, EdD, CNA
Janet C. Mentes, PhD, APRN, FAAN, FGSA
Joyce A. Newman Giger, RN, EdD, FAAN
Carol L. Pavlish, RN, PhD, ONC, FAAN
Linda R. Phillips, RN, PhD, FGSA, FAAN *(Audrienne H. Moseley Professor Emerita of Nursing)*
Huibrie C. Pieters, RN, MSN, DPhil, PhD
Sharon J. Reeder, RN, PhD, FAAN
Linda P. Sarna, RN, PhD, FAAN *(Lulu Wolf Hassenplug Professor Emerita of Nursing)*
Gwen M. Van Servellen, RN, PhD, FAAN
Ann B. Williams, RNC, EdD, FAAN
Mary A. Woo, RN, PhD, FAAN

Associate Professors

Nalo M. Hamilton, PhD, MSN, APRN-BC
Su Yon Jung, PhD
Sophie Sokolow, MPharm, PhD

Assistant Professors

Dana C. Beck, MSN, PhD, FNP-BC
Eden R. Brauer, RN, PhD
Kristen R. Choi, RN, MS, PhD
Rosario B. Jaime-Lara, RN, FNP, PhD
Charlene A. Niemi, RN, MSN, PhD, PHN, SNSC, CNE
Mary Rezk-Hanna, NP, PhD
Christine Samuel-Nakamura, RN, PhD, FNP-BC
Kia Skrine Jeffers, RN, PhD, PHN
Yeonsu Song, RN, PhD, FNP-C
Dante A. Tolentino, RN-BC, PhD, MS
Kristi K. Westphaln, RN, PhD, CPNP-PC

Lecturers

Mary M. Canobbio, RN, MN, FAAN
Kathryn H. Cronin, MSN, ACNP, ACHPN
Carol L. Cunningham, RNFA, PHN, MSN, FNP-C
Barbara L. Demman, RN, MSN, CNS, ACNP
Elizabeth L. Dixon, RN, MSN/MPH, PhD
Stacey D. Green, RN, MSN, DNP, GNP-BC, PHN, NPNP, AOCNP
Raymond F. Hummel, MSN, AGACNP-BC, CFRN, TCRN
Laurie A. Love-Bibbero, RN, DNP, FNP-BC
Young Kee Markham, RN, MN, GNP-C
Nancy E. McGrath, RN, MN, CPNP-AC/PC
Inese L. Verzemnieks, RN, PhD

Adjunct Professors

Martin M. Anderson, MD, MPH
Mary Lynn Brecht, PhD
Nancy Jo Bush, RN, MN, MA, AOCN, ONP, FAAN
Mary P. Cadogan, DrPH, GNP-BC, FAAN, FGSA, *Emerita*
Catherine L. Carpenter, PhD
Anna F. Gawlinski, RN, PhD, ACNP,-BC CNS-BC, FAAN, *Emerita*
Karen H. Gylys, RN, PhD
Atilla B. Uner, MD, MPH OP
Frances M. Wiley, RN, MN, *Emerita*

Adjunct Associate Professors

Nancy T. Blake, RN, PhD, CCRN-K, NHDP-BC, NEA-BC, FAAN
Anita R. Bralock, RN, PhD, CNM
Denice Economou, PhD, CNS, CHPN
Benissa E. Salem, RN, MSN, PhD, CNL, PHN
Rita L. Secola, RN, PhD
Elizabeth Anne Thomas, RN, PhD, ANP-BC, COHN-S, FAAOHN

Adjunct Assistant Professors

Theresa A. Brown, RN, DNP, MSN, ACNP-BC, AACC, FAAN
Emma Lyn M. Cuenca, RN, DNP, CCRN, CSC, CNS

Major

Nursing BS Prelicensure

College / School
School of Nursing

Department
Nursing

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The focus of the prelicensure program is on the preparation of nurse generalists with special skills in primary, secondary, and tertiary prevention and care within an individual- and population-based context

while developing the basics for a strong leadership role. Students learn the art and science of nursing using the latest research findings to guide their practice.

Capstone Major

The Nursing (Prelicensure) major is a designated capstone major. Students complete a clinically based scholarly project that is approved by a designated faculty member. In completing the capstone course, students should select, evaluate, and apply appropriate theory and research findings concerning individual- and population-based health promotion and disease prevention, biobehavioral and health systems, and social environmental, cultural, and human diversity to the nursing process. They should utilize the nursing process to promote biopsychosocial health and disease prevention and to support the resources of culturally diverse clients and families in community- and/or hospital-based settings.

Learning Outcomes

1. Selection, evaluation, and application of appropriate theory and research findings concerning individual- and population-based health promotion and disease prevention, biobehavioral and health systems, social environmental, and cultural and human diversity to the nursing process with a variety of clients, families, and communities from diverse cultural backgrounds
2. Use of the nursing process to promote biopsychosocial health and disease prevention, and to support client resources in community and hospital settings
3. Demonstrated effective communication and collaboration skills with clients, families, research participants, health professionals, and policymakers
4. Identification of practice-based problems and hypotheses, and critique research on issues of importance to nursing and health care delivery within hospital and community settings
5. Effective participation in professional and community organizations and interest groups relevant to health care delivery and modification of nursing standards and practices in keeping with current trends
6. Demonstrated leadership as a health team member to plan, manage, and evaluate care of individuals, families, and communities
7. Practice of hospital- and community-based nursing using principles of ethics, social justice, and law

Entry to the Major

Admission

The School of Nursing strives to attract a culturally and ethnically diverse student population. Admission is designed for first-year students and transfer students at the junior level. First-year applicants are expected to fulfill the University of California admission requirements. Transfer applicants are expected to fulfill the Intersegmental General Education Transfer Curriculum (IGETC). Students must have a grade of C or better in each requisite course and an overall grade-point average of 3.5 or better.

Two recommendation forms and a written statement of purpose are also required. Diverse life experiences, including previous employment, volunteer work, and community service that reflect leadership, responsibility, multicultural involvement, multilingual abilities, and other unusual skills and knowledge are evaluated for all applicants. Consideration is also given to students who are socially, economically, and educationally disadvantaged. Completed applications should reflect clearly identified career goals and documentation of potential for nursing practice.

Transfer Students

Transfer applicants to the Nursing major with 90 or more units must complete the following introductory courses prior to admission to UCLA: calculus, communications, human anatomy, human physiology, inorganic and organic chemistry, cells, tissues, and organs, microbiology, molecular biology, and introductory or general psychology.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

The Major

Policies

The Major Policies

Transfer students must complete Biostatistics 100A, Nursing 10, 20, 50, 54A, and 173W on entry.

Students may request to pursue a minor in a related field if the coursework can be completed within the 216-unit limit.

The curriculum at UCLA must be completed with a minimum overall grade-point average of 2.0 (C) or better in all courses taken while a student in the School of Nursing.

Each required nursing course in the school must be completed with a grade of C or better (C– grade is not acceptable).

Major

Doctor of Nursing Practice

College / School
School of Nursing

Department
Nursing

Degree Level
Graduate

Degree Objective
Doctor of Nursing Practice

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Doctor of Nursing Practice

College / School
School of Nursing

Department
Nursing

Degree Level
Graduate

Degree Objective
Doctor of Nursing Practice

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Science in Nursing

College / School
School of Nursing

Department
Nursing

Degree Level
Graduate

Degree Objective
Master of Science in Nursing

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

008J - Master of Business Administration

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Major

Nursing MS, PhD

College / School
School of Nursing

Department
Nursing

Degree Level
Graduate

Degree Objective
Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Obstetrics and Gynecology Overview

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David Geffen School of Medicine

27-139 Center for Health Sciences
Box 951740
Los Angeles, CA 90095-1740

Obstetrics and Gynecology
310-206-6575

Deborah Krakow, MD, ***Chair***
Sarah J. Kilpatrick, MD, PhD, ***Chair, Cedars-Sinai***
Erin N. Saleeby, MD, MPH, ***Chair, Harbor-UCLA***
Christine H. Holschneider, MD, ***Vice Chair, Olive View-UCLA***
Beth Y. Karlan, MD, ***Vice Chair, Women's Health Research***
Erica D. Oberman, MD, ***Vice Chair, Education***
Jeaninne Rahimian, MD, ***Vice Chair, Clinical Affairs***
Lisa Nicholas, MD, ***Vice Chair, Equity, Diversity and Inclusion***

The medical student program in the Department of Obstetrics and Gynecology is designed to provide students with firm background in the essentials of women's health. The educational objectives are set forth by the Association of Professors of Gynecology and Obstetrics (APGO). Through a combination of didactic instruction and supervised clinical experience, students acquire the relevant clinical skills of history taking and physical examination and learn reproductive physiology from infancy to the postmenopausal period; antepartum, intrapartum, and postpartum obstetric care; and recognition and management of various gynecologic disorders. Third-year students work in ambulatory clinics and on

inpatient services during a four-week core clerkship. Greater depth of experience is provided by elective clerkships during the fourth year that emphasize subspecialties such as maternal/fetal medicine, reproductive endocrinology and infertility, gynecologic oncology, and reproductive health.

For more details on the Department of Obstetrics and Gynecology, see the **department website**.

Ophthalmology Overview

You're now viewing the 2024-25 Catalog

David Geffen School of Medicine

2-142 Stein Eye Institute
Box 957000
Los Angeles, CA 90095-7000

Ophthalmology
310-825-5053

Anne L. Coleman, MD, PhD, ***Chair***
Anthony J. Aldave, MD, ***Vice Chair, Academics***
Anthony C. Arnold, MD, ***Vice Chair, Education***
Alfredo A. Sadun, MD, PhD, ***Vice Chair, Doheny Eye Centers-UCLA***
Alapakkam P. (Sam) Sampath, PhD, ***Associate Director, Jules Stein Eye Institute***

Ophthalmology is the medical science that encompasses knowledge concerning the eyes and the visual system. Derived from many basic and clinical fields, this knowledge must be synthesized by the physician and applied to the prevention, diagnosis, medical management, and surgical therapy of ocular disease.

In response to the steadily increasing incidence and growing importance of ocular disorders, the Department of Ophthalmology as well as the Stein Eye Institute and Doheny Eye Institute are closely coordinated to form a comprehensive center for research in the sciences related to vision, for the care of patients with disease of the eyes and related structures, and for education in the broad field of ophthalmology, all with community outreach.

The Department of Ophthalmology provides instruction and electives to medical students during the first, second, third, and fourth years at the Stein Eye Institute and the Doheny Eye Centers UCLA. Through lectures, demonstrations, discussions, and the opportunity to observe patients and review data on cases with a variety of ocular conditions, students gain knowledge and experience in ophthalmology.

For more details on the Department of Ophthalmology and courses offered, see the **department website**.

Ophthalmology **faculty information** is available from the department.

Oral Biology Overview

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School of Dentistry

13-089 School of Dentistry
Box 951668
Los Angeles, CA 90095-1668

Oral Biology
E-mail contact

Cun-Yu Wang, DDS, PhD, *Chair*
Fariba S. Younai, DDS, *Vice Chair*

Oral biology is the area of knowledge that deals with the development, structure, and function of the oral tissues and their interrelationships with other organ systems in normal and disease states. It is a multidisciplinary field that includes cell biology, bone biology, molecular biology, biochemistry, neuroscience, immunology, microbiology, and virology. The objective of the graduate program is to provide students with a sound foundation in these areas in order to pursue an academic or research career.

Graduate Study

A combined DDS/Oral Biology MS or PhD, or advanced certificate training/Oral Biology MS or PhD, is also offered.

Oral Biology Faculty Roster

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Professors

Shen Hu, PhD, MBA
Anahid Jewett, MPH, PhD
Mo K. Kang, DDS, MS, PhD *(Jack A. Weichman Professor of Endodontics)*
Reuben H. Kim, DDS, PhD *(Naomi and Jim Ellison Endowed Professor)*
Yong Kim, PhD, *in Residence*
Renate Lux, PhD
Diana V. Messadi, DDS, MMSc, DMSc
Ichiro Nishimura, DDS, DMSc, DMD
Igor Spigelman, PhD
Sotirios Tetradis, DDS, PhD
Cun-Yu Wang, DDS, PhD *(Dr. No-Hee Park Professor of Dentistry)*
David T.W. Wong, DMD, DMSc

Associate Professor

Alireza Moshaverinia, DDS, MS, PhD, FACP

Assistant Professor

Jimmy K. Hu, PhD

Adjunct Professor

Ki-Hyuk Shin, MS, PhD

Adjunct Associate Professor

Fang Wei, PhD

Professor of Clinical Dentistry

Fariba S. Younai, DDS

Major

Oral Biology MS, PhD

College / School
School of Dentistry

Department
Oral Biology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Orthopaedic Surgery Overview

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David Geffen School of Medicine

76-143 Center for Health Sciences
Box 956902
Los Angeles, CA 90095-6902

Orthopaedic Surgery
310-825-6557

Nicholas M. Bernthal, MD, ***Chair***
Sharon L. Hame, MD, ***Vice Chair, Equity, Diversity, and Inclusion***
Karen Lyons, PhD, ***Vice Chair, Research***
David R. McAllister, MD, ***Vice Chair, Academic Affairs***
Mauricio Silva, MD, ***Vice Chair, Clinical Operations***
Anthony A. Scaduto, MD, ***Executive Vice Chair***

The medical student program in the Department of Orthopaedic Surgery is designed to provide students with experience in understanding the diagnosis and management of disorders of the musculoskeletal system. Through a combination of didactic instruction and supervised clinical experience, students acquire the clinical skills of history taking and physical examination of the musculoskeletal system. Diagnosis and orthopaedic management of bone and soft tissue trauma, skeletal development defects, tumor, spinal disorders, hand and foot disorders, and arthritis are primary objectives. Third-year students work in ambulatory clinics and on inpatient services during their core surgical clerkship. Fourth-year electives provide the opportunity for in-depth experience on rotations at the Reagan UCLA Medical Center and affiliated institutions and emphasize subspecialties such as joint replacement, sports medicine, orthopaedic oncology, metabolic bone disorders, hand and foot surgery, spinal surgery, and pediatric orthopaedics.

For more details on the Department of Orthopaedic Surgery and courses offered, contact the Education Office at 310-825-6557 or see the **department website**.

Orthopaedic Surgery **faculty information** is available from the department.

Pathology and Laboratory Medicine Overview

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David Geffen School of Medicine

1P-171 Center for Health Sciences
Box 951732
Los Angeles, CA 90095-1732

Pathology and Laboratory Medicine
310-825-8119
E-mail contact

Sarah M. Dry, MD, ***Chair***
Kenneth A. Dorshkind, PhD, ***Vice Chair, Academic Affairs***
Thomas A. Drake, MD, ***Vice Chair, Clinical Laboratory Informatics***
Omai Garner, PhD, ***Vice Chair, Clinical Laboratory Affairs***
Steven D. Hart, MD, ***Vice Chair, UCLA Santa Monica Medical Center***
Scott D. Nelson, MD, ***Vice Chair, Postgraduate Clinical Education***
Jianyu Rao, MD, ***Vice Chair, Diagnostic Technology Innovation***
Elaine F. Reed, PhD, ***Vice Chair, Research Services***
Jonathan W. Said, MD, ***Vice Chair, Clinical Research***
Elena Stark, MD, PhD, ***Vice Chair, Medical and Dentist Education***
Peter Tontonoz, MD, PhD, ***Vice Chair, Research***

Pathology is the branch of medicine concerned with the causes and development of disease.

Coursework is designed so that students gain an in-depth knowledge of cell and molecular biology, genetics, and disease mechanisms. Didactic instruction is complemented by participation in seminars and training in the design and execution of original laboratory research. As a result, graduates obtain the expertise to translate and answer questions defined in the clinical area to the laboratory bench and vice versa. For more information, see the **department website**.

Pathology and Laboratory Medicine **faculty information** is available from the department.

Pediatrics Overview

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David Geffen School of Medicine

22-412A Marion Davies Children's Center
Box 951752
Los Angeles, CA 90095-1752

Pediatrics
310-825-5095

Sherin U. Devaskar, MD, ***Executive Chair***
Peter G. Szilagyi, MD, MPH, ***Executive Vice Chair and Vice Chair, Research***

The Department of Pediatrics has faculty members at the following teaching hospitals: Cedars-Sinai, Harbor-UCLA, Long Beach, Olive View-UCLA, and UCLA Santa Monica medical centers; Miller Children's and Women's Long Beach and UCLA Mattel Children's hospitals; and Venice Family Clinic. For second-year medical students, the fundamentals of pediatric history and physical examination are taught at all sites as part of the pediatric clinical skills course.

For third-year medical students, the required four-week clinical clerkship in pediatrics is offered at five sites: Cedars-Sinai, Harbor-UCLA, Kaiser Permanente Los Angeles, Olive View-UCLA, UCLA, and UCLA Santa Monica medical centers; and UCLA Mattel Children's Hospital. For fourth-year medical students, the Pediatrics Department offers a wide variety of senior medical student electives in pediatrics. In-depth subspecialty electives offered by the department are listed in the *School of Medicine Handbook of Clinical Courses*, as are advanced clinical clerkships.

For more details on the Department of Pediatrics and courses offered, see the **department website**.

Philosophy Overview

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College of Letters and Science

321 Dodd Hall
Box 951451
Los Angeles, CA 90095-1451

Philosophy
310-825-4641
Department e-mail

Sherrilyn Roush, PhD, ***Chair***
Michael A. Rescorla, PhD, ***Vice Chair***

Philosophy reflects on big questions such as how should we live our lives, and what is the nature of the world we live in. It overlaps with other fields—the arts, law, politics, and the sciences—and is especially concerned with their fundamental concepts and assumptions, their foundations, and indeed the methodology of philosophy and its concerns are themselves subjects of philosophical inquiry.

Course Numbering

Philosophy courses are organized by number into the categories shown.

Course Numbers	Category
101–119, 201–219	Group I: History of Philosophy
120–139, 220–239	Group II: Logic, Semantics, and Philosophy of Science
150–169, 240–259	Group III: Ethics and Value Theory

170–187, 270–289	Group IV: Metaphysics and Epistemology
188–199, 290–599	Special Studies

Philosophy Faculty Roster

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Professors

David L. Blank, PhD
C. Tyler Burge, PhD *(Mr. and Mrs. C.N. Flint Professor of Philosophy)*
Samuel J. Cumming, PhD
Mark D. Greenberg, JD, DPhil *(Michael H. Schill Endowed Professor of Law)*
Barbara Herman, MA, PhD *(Gloria and Paul Griffin Professor of Philosophy)*
Pamela Hieronymi, PhD
David B. Kaplan, PhD *(Hans Reichenbach Professor of Scientific Philosophy)*
Kareem E. Khalifa, PhD
Gavin Lawrence, DPhil
Calvin G. Normore, PhD *(Brian P. Copenhaver Professor)*
Michael A. Rescorla, PhD
Sherrilyn Roush, PhD
Seana Shiffrin, JD, DPhil *(Pete Kameron Professor of Law and Social Justice)*
Paul C. Taylor, PhD, MPA *(Renée and David Kaplan Presidential Endowed Professor of Philosophy)*

Professors Emeriti

Robert Merrihew Adams, PhD
Joseph Almog, DPhil
John P. Carriero, PhD
Brian P. Copenhaver, PhD *(Steven F. and Christine L. Udvar-Hazy Professor Emeritus)*
Donald A. Martin, BS
Sheldon R. Smith, PhD

Associate Professors

Joshua D. Armstrong, PhD
Adam D. Crager, PhD
Gabriel J. Greenberg, PhD
Alexander J. Julius, PhD
Sean Walsh, PhD
Vida Yao, PhD

Assistant Professor

Daniela J. Dover, PhD

Senior Lecturer

Andrew Hsu, PhD

Lecturers

Mark C. Johnson, PhD
Steven R. Levy, PhD

Adjunct Assistant Professor

Janelle DeWitt, PhD

Major

Philosophy BA

College / School
College of Letters and Science

Department
Philosophy

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The benefits of an undergraduate education in philosophy are those Francis Bacon attributed to reading, conversation, and writing: reading gives us material for our own thought; conversation, facility at sharing and debating ideas; and writing, the ability to fix ideas with precision. A typical philosophy course involves

reading: from the center and margins of the major world traditions, to modern thinkers framing today's urgent issues. It also involves conversation, as philosophers like to test ideas out in company and learn from those who see things differently to them. The final test of a philosophical theory or argument is to submit it to the rigor of writing. Philosophical writing, in the ideal, is clear, exact, and free of the rhetoric that may be able to temporarily sway an opponent in the heat of conversation.

Learning Outcomes

1. Demonstrated solid foundation in logic, the history of philosophy (ancient, medieval, and modern), ethics and value theory, and metaphysics and epistemology
2. Critical analysis and evaluation of arguments in historical texts and the contemporary philosophical literature
3. Demonstrated ability to formulate and clearly present valid and sound arguments
4. Development of oral and written skills that display skill at argument and the ability to engage honestly with difficult and controversial topics

Entry to the Major

Transfer Students

Transfer applicants to the Philosophy major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: one philosophy of mind or skepticism and rationality course, one ethical theory course, one symbolic logic course, and one additional philosophy course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four lower-division courses as follows:

Required Courses

Select Philosophy 7 or 21.

PHILOS 7 - Introduction to Philosophy of Mind

PHILOS 21 - Skepticism and Rationality

PHILOS 22 - Introduction to Ethical Theory

PHILOS 31 - Logic, First Course

Elective

Complete one additional lower-division philosophy course.

The Major

Complete 13 upper-division (100 series) or graduate (200 series) philosophy courses (52 units) as follows:

Required Courses

Complete the following three courses.

PHILOS 100A - History of Greek Philosophy

PHILOS 100B - Medieval and Early Modern Philosophy

PHILOS 100C - History of Modern Philosophy, 1650 to 1800

Groups

Select seven courses distributed among the following groups as follows: two courses in each of three of the groups and one course in the remaining group.

GROUP I—HISTORY OF PHILOSOPHY

Upper-Division Courses

Philosophy 101 through 119

Graduate Courses

Philosophy 201 through 219

GROUP II—LOGIC, SEMANTICS, AND PHILOSOPHY OF SCIENCE

Upper-Division Courses

Philosophy 120 through 139

Graduate Courses

Philosophy 220 through 239

GROUP III—ETHICS AND VALUE THEORY

Upper-Division Courses

Philosophy 150 through 169

Graduate Courses

Philosophy 240 through 259

GROUP IV—METAPHYSICS AND EPISTEMOLOGY

Upper-Division Courses

Philosophy 170 through 187

Graduate Courses

Philosophy 270 through 289

Electives

Complete three additional upper-division or graduate philosophy courses.

Honors Program

Students must satisfy the honors directed study requirement by taking Philosophy 198A and 198B in conjunction (usually, but not necessarily concurrently) with two different regular upper-division

philosophy courses supervised by the instructors of those courses.

PHILOS 198A - Honors Research in Philosophy

PHILOS 198B - Honors Research in Philosophy

Policies

The Major Policies

Contract courses (199) may be applied toward the major but not toward a group requirement. A maximum of 8 units of course 199 may be applied toward the major but not toward a group requirement. Courses 100A, 100B, 100C may not be applied toward any group requirement. No course used to satisfy the major or preparation requirements may be taken on a P/NP basis.

Honors Program

Admission

To be admitted to the honors program, students must have taken at least three upper-division philosophy lecture or seminar courses at UCLA with an overall grade-point average of 3.7.

Requirements

To be awarded honors in philosophy at graduation, Philosophy majors must (1) have a 3.7 grade-point average in UCLA philosophy courses and a 3.7 GPA in upper-division UCLA philosophy courses; (2) satisfy the honors directed study requirement; and (3) receive a grade of A– or better in each course applied toward satisfaction of the honors requirement.

Students may substitute Philosophy 191 for either course 198A or 198B or, alternatively, may complete up to two philosophy graduate seminars in lieu of courses 198A and/or 198B. For an undergraduate or graduate seminar to be applied toward the honors directed study requirement, the consent of both the seminar instructor and the faculty honors adviser is required in advance. Students may also substitute up to one 4-unit Philosophy 199 course in which they produce a substantial paper that represents an original piece of research or its equivalent.

Exceptional work done to satisfy the honors requirement may be submitted to the department chair for consideration for highest honors

Minor

Philosophy Minor

College / School
College of Letters and Science

Department
Philosophy

Level

Undergraduate

Overview

The benefits of an undergraduate education in philosophy are those Francis Bacon attributed to reading, conversation, and writing: reading gives us material for our own thought; conversation, facility at sharing and debating ideas; and writing, the ability to fix ideas with precision. A typical philosophy course involves reading: from the center and margins of the major world traditions, to modern thinkers framing today's urgent issues. It also involves conversation, as philosophers like to test ideas out in company and learn from those who see things differently to them. The final test of a philosophical theory or argument is to submit it to the rigor of writing. Philosophical writing, in the ideal, is clear, exact, and free of the rhetoric that may be able to temporarily sway an opponent in the heat of conversation.

Entry to the Minor

Admission

To enter the Philosophy minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete two courses as follows:

PHILOSOPHY 7 OR 21

Select one course from:

PHILOS 7 - Introduction to Philosophy of Mind

PHILOS 21 - Skepticism and Rationality

PHILOSOPHY 22 OR 31

Select one course from:

PHILOS 22 - Introduction to Ethical Theory

PHILOS 31 - Logic, First Course

Required Upper-Division Courses (20 units)

Complete five courses as follows:

GROUPS

Select five courses, including at least one from each of three of the following four groups:

Group I—History of Philosophy and Philosophy 100A, 100B, 100C

PHILOS 100A - History of Greek Philosophy

PHILOS 100B - Medieval and Early Modern Philosophy

PHILOS 100C - History of Modern Philosophy, 1650 to 1800

Upper-Division Courses

Philosophy 101 through 119

Graduate Courses

Philosophy 201 through 219

Group II—Logic, Semantics, and Philosophy of Science

Upper-Division Courses

Philosophy 120 through 139

Graduate Courses

Philosophy 220 through 239

Group III—Ethics and Value Theory

Upper-Division Courses

Philosophy 150 through 169

Graduate Courses

Philosophy 240 through 259

Group IV—Metaphysics and Epistemology

Upper-Division Courses

Philosophy 170 through 187

Graduate Courses

Philosophy 270 through 289

Additional Philosophy Elective (4 or 5 units)

Complete one additional upper- or lower-division philosophy course.

Policies

The Minor Policies

Philosophy 100A, 100B, and 100C apply toward Group I.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Philosophy MA, CPhil, PhD

College / School
College of Letters and Science

Department
Philosophy

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Candidate in Philosophy, Master of Arts

Overview

The aim of the graduate program is to produce philosophers of high quality. A graduate degree in philosophy is the usual path to becoming a professional academic philosopher, but the skills attained in the study and practice of philosophy are highly transferable and sought after by enlightened employers

across the globe. The focus of the department's graduate training is original philosophical research, and the PhD program culminates in the production of a long written document (the dissertation). Students in the graduate program also receive training and practice in teaching philosophy at various levels, and to audiences from diverse backgrounds.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

0501 - Juris Doctor

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Physics and Astronomy Overview

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College of Letters and Science

2-707 Physics and Astronomy Building
Box 951547
Los Angeles, CA 90095-1547

Physics and Astronomy
310-825-3440

Stuart E. Brown, PhD, ***Chair***
Per J. Kraus, PhD, ***Vice Chair, Academic Affairs***
Pietro Musumeci, PhD, ***Vice Chair, Resources***
Tommaso L. Treu, PhD, ***Vice Chair, Astronomy***

Since the time of the ancient Greeks, a natural affinity has existed between astronomy and physics, and the intellectual development of the two disciplines has often proceeded synergistically. Newton's discovery of the laws of mechanics and universal gravitation not only explained motion on Earth, but brought the heavens and Earth into a single quantitative framework in which both are governed by the same laws. The revolutionary discoveries of twentieth-century physics—quantum mechanics and nuclear physics—were rapidly adopted by astronomers to interpret the spectroscopic observations of the stars and to construct accurate models of stellar structure. Einstein's general theory of relativity predicted the expansion of the universe and that most awesome compaction of matter—the black hole.

Today astronomers study the accretion of matter onto supermassive black holes in quasars and search the most distant regions of the universe to learn about the exotic physical conditions that existed when the universe's expansion was only fractions of a second old. By measuring the gravitational interactions on distance scales from galaxies to the vast superclusters of galaxies, astronomers have concluded that most of the universe's matter is dark or nonluminous; physicists have speculated that this dark matter may

consist of yet-undiscovered exotic particles that are predicted by the most advanced theories of elementary particle physics.

Department of Physics and Astronomy faculty members and students are able to study the universe in the holistic manner that is demanded by the breadth of these two disciplines.

Undergraduate Study

Astronomy Courses

The department offers general courses to all UCLA students, including those who are not science oriented.

Astronomy 3 is the fundamental one-term course for students who do not major in physical sciences and should be taken in the first or second year.

Astronomy 4, 5, and 6 develop the topics covered in course 3 to somewhat greater depths but are still aimed at nonscience majors. Course 4 discusses stellar and supermassive black holes; course 5 concentrates on the problem of life in the universe; course 6 discusses the structure and evolution of the universe.

Astronomy 81, 115, and 117 are general survey courses recommended for science majors in their second year. They systematically introduce astrophysics and require a good background in physics and mathematics (at least two terms of the Physics 1 series and two terms of the Mathematics 31 and 32 series).

Students of junior and senior standing in Physics or related sciences are invited to select any of these courses: Astronomy 127, 140, 141, 142, 143, 144, 145, 146, 180.

Physics Courses

Students who wish to use physics to satisfy part of the general education requirements in the physical sciences and who have no mathematics background beyond the high school mathematics required for admission to UCLA may take Physics 10.

Physics 1A, 1B, and 1C, or 1AH, 1BH, and 1CH form sequences of courses in general physics for majors in Physics.

The department takes into account prior preparation in physics. If students feel their background would permit acceleration, they may be exempted from one course in the 1A, 1B, 1C sequence by taking the final examination with a class at the end of any term. This serves as a placement examination. A satisfactory score on the College Board Advanced Placement Physics C Mechanics Test may also serve as a placement examination, but placement is not automatic. Students should discuss such possibilities with their departmental adviser.

Physics 5A, 5B, 5C form a one-year sequence of courses in basic physics for students in the biological and health sciences.

Any two or more courses from Physics 1A, 1AH, and 5A, are limited to a total of 6 units of credit.

Subject Areas

Physics and Astronomy courses are in the following subject areas:

- **Astronomy**
- **Physics**
- **Quantum Science and Technology**

Physics and Astronomy Faculty Roster

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Professors

Katsushi Arisaka, PhD
Zvi Bern, PhD
Dolores Bozovic, PhD
Stuart E. Brown, PhD
Wesley C. Campbell, PhD
Troy A. Carter, PhD
Sudip Chakravarty, PhD
Michael P. Fitzgerald, PhD
Steven R. Furlanetto, PhD
Graciela B. Gelmini, PhD
Andrea M. Ghez, PhD *(Nobel laureate; Lauren B. Leichtman and Arthur E. Levine Endowed Professor of Astrophysics)*
Michael Gutperle, PhD
Bradley M. Hansen, PhD
Jay Hauser, PhD
Kàroly Holczer, PhD
Huan Z. Huang, PhD
Eric R. Hudson, PhD *(David S. Saxon Presidential Professor of Physics)*
David C. Jewitt, PhD
Hong-Wen Jiang, PhD
Per J. Kraus, PhD
Alexander Kusenko, PhD

James E. Larkin, PhD
David R. Leibrandt, PhD
Matthew A. Malkan, PhD
Jean-Luc Margot, PhD
Thomas G. Mason, PhD
Mayank R. Mehta, PhD
Jianwei Miao, PhD
Pietro Musumeci, PhD
Smadar Naoz, PhD *(Howard and Astrid Preston Term Professor of Astrophysics)*
William I. Newman, PhD
Ni Ni, PhD
Christoph Niemann, PhD
Rene A. Ong, PhD
Jason R. Petta, PhD
Seth J. Putterman, PhD
Brian C. Regan, PhD
James Rosenzweig, PhD
Rahul Roy, PhD
David Saltzberg, PhD
Hilke E. Schlichting, PhD
Alice E. Shapley, PhD
Tommaso L. Treu, PhD
Yaroslav Tserkovnyak, PhD
Jean L. Turner, PhD
Vladimir V. Vassiliev, PhD
Kang L. Wang, PhD *(Raytheon Company Professor of Electrical Engineering)*
Chee Wei Wong, PhD *(Carol and Lawrence E. Tannas, Jr., Endowed Term Professor of Engineering)*
Giovanni Zocchi, PhD

Professors Emeriti

Ernest S. Abers, PhD
Eric E. Becklin, PhD
Robijn F. Bruinsma, PhD
Charles D. Buchanan, PhD
W. Gilbert Clark, PhD
John M. Cornwall, PhD
Ferdinand V. Coroniti, PhD
Robert D. Cousins, PhD
Eric D'Hoker, PhD
Sergio Ferrara, PhD

Walter N. Gekelman, PhD
George Grüner, PhD
Roy P. Haddock, PhD
Ian S. McLean, PhD
George J. Morales, PhD
Warren Mori, PhD
Mark R. Morris, PhD
C. Kumar N. Patel, PhD
Claudio Pellegrini, PhD
E.T. Tomboulis, PhD
Roger K. Ulrich, PhD
Gary A. Williams, PhD
Alfred Y. Wong, PhD
Chun Wa Wong, PhD
Edward L. Wright, PhD *(David S. Saxon Presidential Professor Emeritus of Physics)*
Benjamin M. Zuckerman, PhD

Associate Professors

Michail Bachtis, PhD
Louis S. Bouchard, PhD
Thomas T. Dumitrescu, PhD
Paul Hamilton, PhD
Zhongbo Kang, PhD
Erik A. Petigura, PhD

Assistant Professors

E. Paulo Alves, PhD
Sergio Carbajo, PhD
Tuan H. Do, PhD *(Andrea M. Ghez Centennial Term Professor of Astronomy and Astrophysics)*
Pradip R. Gatkine, PhD
Christopher Gutiérrez, PhD
Alvine C. Kamaha, PhD *(Keith and Cecilia Terasaki Endowed Professor of Physical Sciences)*
Anshul Kogar, PhD
Derek B. Schaeffer, PhD
Qianhui Shi, PhD
Mikhail P. Solon, PhD *(David S. Saxon Presidential Professor of Physics)*
Ryan G. Thorngren, PhD
Shenshen Wang, PhD

Lecturer SOE

Joshua F. Samani, PhD

Adjunct Professors

R. Michael Rich, PhD, *Emeritus*
David Schriver, PhD
Slava G. Turyshev, PhD

Adjunct Associate Professors

Shoko Sakai, PhD
Gang Wang, PhD

Adjunct Assistant Professor

Anna Ciurlo, PhD

Major

Astrophysics BS

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Learning Outcomes

1. Ability to apply knowledge of classical mechanics, electromagnetism, quantum mechanics, and thermal physics to understand and analyze a broad variety of physical phenomena

2.	Application and improvement of proficiency in mathematics skills in calculus, differential equations, and linear algebra
3.	Understanding and analysis of phenomena in astronomy and astrophysics including planets, stars, galaxies, and cosmology
4.	Ability to make accurate and precise physical measurements using modern laboratory instruments and computerized data acquisition
5.	Ability to critically analyze and interpret data in order to draw valid scientific conclusions
6.	Ability to present clear written and oral accounts of scientific results
7.	Scientific, mathematical, computing, and laboratory skills that enable pursuit of career objectives in graduate or professional schools, in a teaching career, or in a scientific career in government or industry

Entry to the Major

Transfer Students

Transfer applicants to the Astrophysics major with 90 or more units must complete as many of the following introductory courses as possible prior to admission to UCLA: two astrophysics courses, two years of calculus, one and one half years of calculus-based physics with laboratory for majors, and one programming course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 15 courses as follows:

Astronomy

Complete the following course:

ASTR 81 - Fundamentals of Astrophysics

Physics

Complete the following seven courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 17 - Modern Physics

PHYSICS 32 - Mathematical Methods

PHYSICS 1 HONORS SERIES

Students may substitute courses from the Physics 1 honors series for the Physics 1 series.

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

Mathematics

Complete the following six courses. Students may select Mathematics 31A or 31AL

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Programming

Select one course from following list or demonstrate ability to program:

COM SCI 30 - Principles and Practices of Computing

COM SCI 31 - Introduction to Computer Science I

COMPTNG 10A - Introduction to Programming

Recommended

The following course is recommended:

CHEM 20A - Chemical Structure

The Major

Eleven required courses and three upper-division electives.

Astronomy

Complete the following four courses:

ASTR 115 - Introduction to Galactic Astronomy

ASTR 117 - Introduction to Extragalactic Astrophysics

ASTR 127 - Stars from Birth to Death

ASTR 180 - Astrophysics Laboratory

Physics

Complete the following seven courses:

PHYSICS 105A - Analytic Mechanics

PHYSICS 105B - Analytic Mechanics

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS 115A - Quantum Mechanics

PHYSICS 115B - Quantum Mechanics

PHYSICS 115C - Quantum Mechanics

Electives

Select three additional upper-division courses, with at least two courses in astronomy, from the following:

ASTR 140 - Galaxies

ASTR 141 - Cosmology

ASTR 142 - Data and Computation in Astrophysics

ASTR 143 - Planets and Exoplanets

ASTR 144 - Star Formation and Interstellar Medium

ASTR 145 - High-Energy Astrophysics

ASTR 146 - Astronomical Instrumentation

EPS SCI 155 - Planetary Physics

EPS SCI C179 - Search for Extraterrestrial Intelligence (SETI)

PHYSICS 108 - Optical Physics

PHYSICS M122 - Introduction to Plasma Science and Engineering

PHYSICS 124 - Nuclear Physics

PHYSICS 126 - Elementary Particle Physics

PHYSICS 127 - General Relativity

PHYSICS 128 - Cosmology and Particle Astrophysics

PHYSICS 132 - Mathematical Methods of Physics

PHYSICS C170M - Machine Learning for Physical Sciences Laboratory

Honors Program

In addition to completing all courses required for the major, students must complete two terms of Astronomy 199.

ASTR 199 - Directed Research or Senior Project in Astronomy

Policies

The Major Policies

Each course taken to fulfill any of the requirements for the major must be taken for a letter grade.

Honors Program

Senior majors in Astrophysics with a 3.5 grade-point average in all astronomy, mathematics, and physics courses are eligible for the honors program in astrophysics. To receive honors and highest honors at graduation, the grade-point average must remain at 3.5 and 3.75 or better, respectively, and work in course 199 must reflect original research and be accepted by the departmental honors committee.

Major

Biophysics BS

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The goal of the Biophysics major is to provide students with an undergraduate background that will enable them to enter competitive graduate programs in biophysics, molecular biology, and biological physics. It also aims at providing students with a solid, quantitative background for careers in the medical field of the

future as well as in molecular biology, neuroscience, and biological physics which are all emerging as important and rapidly developing areas of physics. The major is designed to provide students with a flexible scientific/technical training that allows them to explore these different career paths and tailor their class work to their scientific interests. The program aims at providing an opportunity to the students to become scientific leaders, bringing the analytic and experimental techniques of different fields to bear on the fascinating world of the physics of living systems.

Learning Outcomes

1. Ability to apply knowledge of classical mechanics, electromagnetism, quantum mechanics, and thermal physics to understand and analyze a broad variety of physical phenomena
2. Application and improvement of proficiency in mathematics skills in calculus, differential equations, and linear algebra
3. Ability to understand and analyze basic phenomena in biological science
4. Ability to make accurate and precise physical measurements using modern laboratory instruments and computerized data acquisition
5. Ability to critically analyze and interpret data in order to draw valid scientific conclusions
6. Ability to present clear written and oral accounts of scientific results
7. Scientific, mathematical, computing, and laboratory skills that enable pursuit of career objectives in graduate or professional schools, in a teaching career, or in a scientific career in government or industry

Entry to the Major

Transfer Students

Transfer applicants to the Biophysics major with 90 or more units must have completed the following introductory courses prior to admission to UCLA: two years of calculus, one and one half years of calculus-based physics with laboratory for majors, one year of general biology with laboratory for majors, and one year of general chemistry with laboratory for majors.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 16 courses as follows:

Physics

Complete the following seven courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 17 - Modern Physics

PHYSICS 32 - Mathematical Methods

PHYSICS 1 HONORS SERIES

Students may substitute courses from the Physics 1 honors series for the Physics 1 series.

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

Chemistry

Complete the following two courses:

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

Life Sciences

LIFESCI 7A - Cell and Molecular Biology

Mathematics

Complete the following six courses. Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Recommended

The following course is recommended:

PHYSICS 18L - Modern Physics Laboratory

The Major

Complete 12 courses as follows:

Required Physics

Complete the following nine courses:

PHYSICS 105A - Analytic Mechanics

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS 112 - Thermal Physics

PHYSICS 115A - Quantum Mechanics

PHYSICS 115B - Quantum Mechanics

PHYSICS M180G - Soft Matter Laboratory

PHYSICS C187A - Biological Physics I: Life at Rest

PHYSICS C187B - Biological Physics II: Life in Motion

Upper-Division Electives

Select three additional upper-division elective courses from one group or among the three groups:

GROUP A (PHYSICS OF NEUROSCIENCE)

NEUROSC M101A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PHYSICS 170A - Electronics for Physics Measurement

PHYSICS C186 - Neurophysics: Brain-Mind Problem

GROUP B (BIOLOGICAL PHYSICS)

PHYSICS 144 - Polymer Physics

PHYSICS 170A - Electronics for Physics Measurement

MECH&AE C286 - Applied Optics

GROUP C (MOLECULAR AND CELLULAR BIOPHYSICS)

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153L - Biochemical Methods I

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 165A - Biology of Cells

Honors Program

In addition to completing all courses required for the major, students must complete two 4-unit terms of Physics 199.

PHYSICS 199 - Directed Research or Senior Project in Physics

Policies

The Major Policies

Students will be advised when a course has additional lower-division requirements.

Each course taken to fulfill any of the requirements for the major must be taken for a letter grade.

An overall 2.0 grade-point average in all upper-division courses is required.

Honors Program

Senior majors in Biophysics with a 3.5 grade-point average in upper-division major courses are eligible for the honors program in biophysics. To receive honors and highest honors at graduation, the grade-point average must remain at 3.5 and 3.75 or better, respectively.

Major

Physics BA

College / School
College of Letters and Science

Department
Physics and Astronomy

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Physics BA major is intended to provide students with a strong background in physics, yet allow students flexibility to study other fields as well. It should be of particular interest to students who want to

double major or who want to teach science. Students who intend to continue work toward the PhD in Physics are advised to pursue the Physics BS.

A detailed brochure on the major is available from the Undergraduate Office, 1-707A Physics and Astronomy Building.

Learning Outcomes

1. Ability to apply knowledge of classical mechanics, electromagnetism, quantum mechanics, and thermal physics to understand and analyze a broad variety of physical phenomena
2. Application and improvement of proficiency in mathematics skills in calculus, differential equations, and linear algebra
3. Ability to critically analyze and interpret data in order to draw valid scientific conclusions
4. Ability to present clear written and oral accounts of scientific results
5. Scientific, mathematical, computing, and laboratory skills that enable pursuit of career objectives in graduate or professional schools, in a teaching career, or in a scientific career in government or industry

Entry to the Major

Transfer Students

Transfer applicants to the Physics BA major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of calculus, one and one half years of calculus-based physics with laboratory for majors, and one general chemistry course for majors.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 15 courses as follows:

Physics

Complete the following seven courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 17 - Modern Physics

PHYSICS 32 - Mathematical Methods

PHYSICS 1 HONORS SERIES

Students may substitute courses from the Physics 1 honors series for the Physics 1 series.

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

Chemistry

Complete the following course:

CHEM 20A - Chemical Structure

Mathematics

Complete the following six courses. Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Program in Computing or Computer Science

Select one course from:

COMPTNG 10A - Introduction to Programming

COM SCI 30 - Principles and Practices of Computing

COM SCI 31 - Introduction to Computer Science I

The Major

Complete nine courses as follows:

Required Courses

Complete the following eight courses:

PHYSICS 105A - Analytic Mechanics

PHYSICS 105B - Analytic Mechanics

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS 112 - Thermal Physics

PHYSICS 115A - Quantum Mechanics

PHYSICS 115B - Quantum Mechanics

PHYSICS 115C - Quantum Mechanics

Physics 170 series and 180 series

Select one course from:

PHYSICS 170 SERIES

Physics 170 series

PHYSICS 180 SERIES

Physics 180 series

Policies

The Major Policies

Each course taken to fulfill any of the requirements for the major must be taken for a letter grade.

A C average in the upper-division physics courses is required.

Major

Physics BS

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Physics BS major should be pursued if students intend to continue toward the PhD in Physics.

A detailed brochure on the major is available from the Undergraduate Office, 1-707A Physics and Astronomy Building.

Learning Outcomes

1. Ability to apply knowledge of classical mechanics, electromagnetism, quantum mechanics, and thermal physics to understand and analyze a broad variety of physical phenomena
2. Application and improvement of proficiency in mathematics skills in calculus, differential equations, and linear algebra
3. Ability to understand and analyze physical phenomena in one or more specialized areas of physics of choice, which facilitates subsequent research
4. Ability to make accurate and precise physical measurements using modern laboratory instruments and computerized data acquisition
5. Ability to critically analyze and interpret data in order to draw valid scientific conclusions
6. Ability to present clear written and oral accounts of scientific results
7. Scientific, mathematics, computing, and laboratory skills that enable pursuit of career objectives in graduate or professional schools, in a teaching career, or in a scientific career in government or industry

Entry to the Major

Transfer Students

Transfer applicants to the Physics BS major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of calculus, one and one half years of

calculus-based physics with laboratory for majors, and one general chemistry course for majors.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete 15 courses as follows:

Physics

Complete the following seven courses:

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 17 - Modern Physics

PHYSICS 32 - Mathematical Methods

PHYSICS 1 HONORS SERIES

Students may substitute courses from the Physics 1 honors series for the Physics 1 series.

PHYSICS 1AH - Physics for Scientists and Engineers: Mechanics (Honors)

PHYSICS 1BH - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields (Honors)

PHYSICS 1CH - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity (Honors)

Chemistry and Biochemistry

Complete the following course:

CHEM 20A - Chemical Structure

Mathematics

Complete the following six courses. Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 33B - Differential Equations

Program in Computing or Computer Science

Select one course from:

COMPTNG 10A - Introduction to Programming

COM SCI 30 - Principles and Practices of Computing

COM SCI 31 - Introduction to Computer Science I

The Major

Required Courses

Complete the following eight courses:

PHYSICS 105A - Analytic Mechanics

PHYSICS 105B - Analytic Mechanics

PHYSICS 110A - Electricity and Magnetism

PHYSICS 110B - Electricity and Magnetism

PHYSICS 112 - Thermal Physics

PHYSICS 115A - Quantum Mechanics

PHYSICS 115B - Quantum Mechanics

PHYSICS 115C - Quantum Mechanics

Plan

The remainder of the course of study consists of a plan, to be worked out by students in consultation with their designated departmental adviser, that details which courses they take to complete the degree. The plan must be worked out five terms before the student expects to graduate. There must be one course in the Physics 170 series and one course in the Physics 180 series, or two courses in the Physics 180 series. There must be three additional upper-division courses in the plan. There must be written rationale for the plan. Except for the Physics 180 laboratories, the courses need not be in the Physics and Astronomy Department. However, it is expected that the courses fit into a coherent structure. It is important that the structure and rationale are thought out carefully, as the plan must be endorsed by the designated adviser and be approved by the departmental academic affairs committee. Pre-approved plans of study are available from the undergraduate advisers.

PHYSICS 170 SERIES

Physics 170 series

PHYSICS 180 SERIES

Physics 180 series

UPPER-DIVISION ELECTIVES

It is preferred that the three additional upper-division courses for the plan are selected from:

PHYSICS 108 - Optical Physics

PHYSICS 114 - Mechanics of Wave Motion and Sound

PHYSICS M122 - Introduction to Plasma Science and Engineering

PHYSICS 123 - Atomic Structure

PHYSICS 124 - Nuclear Physics

PHYSICS 126 - Elementary Particle Physics

PHYSICS 127 - General Relativity

PHYSICS 128 - Cosmology and Particle Astrophysics

PHYSICS 132 - Mathematical Methods of Physics

PHYSICS 140A - Introduction to Solid-State Physics

PHYSICS 140B - Quantum States of Matter

PHYSICS 144 - Polymer Physics

PHYSICS 150 - Physics of Charged-Particle and Laser Beams

PHYSICS 170A - Electronics for Physics Measurement

PHYSICS C186 - Neurophysics: Brain-Mind Problem

PHYSICS C187A - Biological Physics I: Life at Rest

Preparation for Graduate School

Students preparing for graduate school should take additional courses in physics and mathematics. Recommended courses are:

PHYSICS 108 - Optical Physics

PHYSICS 114 - Mechanics of Wave Motion and Sound

PHYSICS M122 - Introduction to Plasma Science and Engineering

PHYSICS 123 - Atomic Structure

PHYSICS 124 - Nuclear Physics

PHYSICS 126 - Elementary Particle Physics

PHYSICS 132 - Mathematical Methods of Physics

PHYSICS 140A - Introduction to Solid-State Physics

PHYSICS 140B - Quantum States of Matter

Honors Program

In addition to completing all courses required for the major, students must complete one of the two honors program options.

Research-Based

Students must complete two 4-unit terms of Physics 199.

PHYSICS 199 - Directed Research or Senior Project in Physics

Course-Based

Students must take 4 units of Physics 197—an in-depth individual study of a physics topic of interest to the student under the guidance of a faculty member and resulting in a written report—and are also required to take Mathematics 115A and two courses selected from Mathematics 120A, 120B, Physics 221A, or 221B.

PHYSICS 197 - Individual Studies in Physics

MATH 115A - Linear Algebra

ELECTIVE

Select two courses from:

MATH 120A - Differential Geometry

MATH 120B - Differential Geometry

PHYSICS 221A - Quantum Mechanics

PHYSICS 221B - Quantum Mechanics

Policies

The Major Policies

Each course taken to fulfill any of the requirements for the major must be taken for a letter grade.

A C average is required in all courses taken to satisfy the major requirements.

Honors Program

Senior majors in Physics with a 3.5 grade-point average in upper-division mathematics and physics courses are eligible for the honors program in physics.

Major

Astronomy and Astrophysics MAT

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Graduate

Degree Objective

Master of Arts in Teaching

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Astronomy and Astrophysics MS, PhD

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Quantum Science and Technology

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Graduate

Degree Objective

Master of Quantum Science and Technology

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Physics MAT

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Graduate

Degree Objective

Master of Arts in Teaching

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Physics MS, PhD

College / School

College of Letters and Science

Department

Physics and Astronomy

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Physics and Biology In Medicine Overview

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Interdepartmental Program
David Geffen School of Medicine

B2-115 Center for Health Sciences
Box 951721
Los Angeles, CA 90095-1721

Physics and Biology in Medicine
310-825-7811
Program e-mail

Michael McNitt-Gray, PhD, ***Chair***
Magnus Dahlbom, PhD, ***Graduate Adviser***

The Physics and Biology in Medicine Master of Science (MS) and Doctor of Philosophy (PhD) program is a **CAMPEP**-accredited interdepartmental graduate program supported by the departments of molecular and medical pharmacology, radiation oncology, and radiological sciences. It offers training in four specialties: medical imaging, molecular and cellular oncology, molecular imaging and theranostics, and therapeutic medical physics.

Facilities

Specialized facilities for training and research are available in the departmental laboratories, as well as in the **Crump Institute for Molecular Imaging**, **Center for Medical Countermeasures against Radiation**, and **Center for Computer Vision and Imaging Biomarkers**, among others. Highly specialized

equipment includes state-of-the-art medical imaging modalities such as MRI, CT angiography, and PET/CT in both clinical and preclinical settings, as well as advanced radiotherapy treatment and planning facilities. The program prepares students for careers as independent researchers or professional medical physicists, and graduates pursue academic, industrial, governmental, and clinical careers, regardless of which specialty they pursue.

Career Prospects

Graduates in physics and biology in medicine can expect to engage in any combination of research, teaching, clinical service, and consultation. Biomedical physicists are usually employed in hospitals frequently associated with a medical school, where they are members of the academic staff. They are also in demand in high-technology private industry engaging in research and development of diagnostic equipment. In government agencies, biomedical physicists are involved in the formulation and enforcement of regulations applied to the use of radiation in health care delivery.

Physics and Biology In Medicine Faculty Committee

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Stephen C. Cannon, MD, PhD *(Molecular and Medical Pharmacology, Physiology)*
Magnus Dahlbom, PhD *(Molecular and Medical Pharmacology)*
Dieter R. Enzmann, MD *(Radiological Sciences)*
Michael McNitt-Gray, PhD *(Radiological Sciences)*
Michael L. Steinberg, MD, FACR *(Radiation Oncology)*

Major

Physics and Biology In Medicine MS, PhD

College / School

David Geffen School of Medicine

Department

Physics and Biology in Medicine

Degree Level

Graduate

Degree Objective

Master of Science, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Physiology Overview

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David Geffen School of Medicine

53-231 Center for Health Sciences
Box 951751
Los Angeles, CA 90095-1751

Physiology
310-825-0481
E-mail contact

Stephen C. Cannon, MD, PhD, ***Chair***
Yousang Gwack, PhD, ***Executive Vice Chair***

Physiology is the science of the functional activities of the human body. This covers a wide range, including observations on humans and experiments on animals and model systems in order to understand principles. Physiology is the science most directly relevant to human medicine in all its specialties and to understanding all environmental factors affecting human life. It is also a pure science of great challenge because of the complexity of its problems and its extensive interaction with mathematical, physical, biochemical, and engineering sciences, as well as with other branches of biology.

Students may enroll in upper-division tutorials (numbered 199) to gain experience in cellular and molecular physiology, theoretical and mathematical physiology, and organ systems and integrative phenomena, including neuroscience and behavioral physiology.

The Department of Physiology offers post-doctoral training in research and welcomes students interested in articulated MD/PhD programs.

Applicants interested in pursuing graduate study may apply directly to the interdepartmental **Molecular, Cellular, and Integrative Physiology Doctor of Philosophy (PhD)** program.

Physiology **faculty information** is available from the department.

Political Science Overview

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College of Letters and Science

4289 Bunche Hall
Box 951472
Los Angeles, CA 90095-1472

Political Science
310-825-4331

Davide Panagia, PhD, ***Chair***
Araceli (Cesi) Cruz, PhD, ***Vice Chair, Graduate Studies***
Michael L. Ross, PhD, ***Vice Chair, Undergraduate Studies***

Political science investigates the nature, causes, and consequences of politics. The Department of Political Science has gained distinction in political economy, electoral behavior, comparative politics, and political theory. The department is strongly committed to teaching as well as research, with the primary goal of providing the best possible education for students seeking to develop an expertise in the field of political science by instilling skills in research and analytic reasoning.

Course Numbering

Political Science courses are organized by number into the categories shown.

Course Numbers	Category
110–119	Field I: Political Theory
120–139	Field II: International Relations

140–149	Field III: American Politics
150–169	Field IV: Comparative Politics
170–179	Field V: Methods and Models
180–187	Field VI: Race and Ethnic Politics
188–199	Special Studies
200–209	Formal Theory and Quantitative Methods
210–219	Political Theory
220–239	International Relations
240–259	Comparative Politics
260–279	American Politics
280–289	Race, Ethnicity, and Politics
290–599	Special Studies

Political Science Faculty Roster

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Professors

Matthew A. Barreto, PhD
Kathleen Bawn, PhD
Michael S.Y. Chwe, PhD
Joshua F. Dienstag, PhD *(Shapiro Family Endowed Professor of Modern Political Theory)*
Lorrie A. Frasure, PhD *(Ralph Bunche Professor of International Studies)*
Chad J. Hazlett, PhD
Leslie N. Johns, PhD
Jeffrey B. Lewis, PhD
Michael F. Lofchie, PhD
Susanne Lohmann, PhD
Barry O'Neill, PhD
Karen J. Orren, PhD
Anthony R. Pagden, PhD
Davide Panagia, PhD
Efrén O. Pérez, PhD
Margaret E. Peters, PhD
Mark A. Peterson, PhD
Daniel N. Posner, PhD *(James S. Coleman Professor of International Development Studies)*
Michael L. Ross, PhD
Gary M. Segura, PhD
Giulia Sissa, PhD
Stuart N. Soroka, PhD
Richard H. Steinberg, JD, PhD *(Jonathan D. Varat Endowed Professor of Law)*
Daniel S. Treisman, PhD
Lynn Vavreck, PhD *(Marvin Hoffenberg Professor of American Politics and Public Policy)*

David O. Wilkinson, PhD

Professors Emeriti

Joel D. Aberbach, PhD
Richard D. Anderson, Jr., PhD
James D. DeNardo, PhD
Barbara Geddes, PhD
Robert S. Gerstein, PhD
Miriam A. Golden, PhD
Edmond J. Keller, PhD
Deborah W. Larson, PhD
Carole Pateman, DPhil
Raymond A. Rocco, PhD
Ronald L. Rogowski, PhD
Richard N. Rosecrance, PhD
Thomas Schwartz, PhD
Richard L. Sklar, PhD
Steven L. Spiegel, PhD
Arthur A. Stein, PhD
Marc Trachtenberg, PhD
David O. Wilkinson, PhD
John R. Zaller, PhD

Associate Professors

Graeme D. Blair, PhD
Darin E. Christensen, PhD
Araceli (Cesi) Cruz, PhD
Scott C. James, PhD
Natalie R. Masuoka, PhD
Zachary Steinert-Threlkeld, PhD
Christopher N. Tausanovitch, PhD
Michael F. Thies, PhD

Assistant Professors

Jonathan Homola, PhD
Georgia C. Kernell, PhD
Eric A. Min, PhD

Salma Mousa, PhD

Tejas Parasher, PhD

Julia A. Payson, PhD

Natasha A. Piano, PhD

Daniel M. Thompson, MPP, PhD

Michelle Torres, PhD

Luwei Ying, PhD

Lecturers

John G. Branstetter, PhD

Tyson Roberts, MBA, PhD

Adjunct Assistant Professor

James A. Desveaux, PhD

Major

Political Science BA

College / School
College of Letters and Science

Department
Political Science

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The undergraduate major in the Department of Political Science aims to provide students with understanding of basic political processes and institutions as these operate in different national and cultural contexts. It also covers the interaction between nation states, the changing character of the

relations between citizens and governments, and the values and criteria by which the quality of political life is judged. The program may be individually focused to serve the needs of the liberal arts major, the student seeking preparation for graduate work in political science, public administration, law, and other professional fields, and the student preparing for specialized roles in political and public organizations.

Learning Outcomes

1. Critical thinking about basic political processes, institutions, and concepts as they operate in different national and cultural contexts
2. Impartial evaluation of arguments
3. Application of mathematical and logical reasoning to political processes
4. Use and evaluation of statistical and other types of evidence in arguments
5. Recognition of limits of quantitative and non-quantitative analysis
6. Knowledge of diverse theories of politics by engaging critically with texts, media, and contexts
7. Employment of cultural, hermeneutical, normative, and historical approaches
8. Location, evaluation, and use of information and scholarship needed to place particular political events in broader historical, cross-national, and theoretical contexts
9. Demonstrated familiarity with various approaches to the study of politics, and their application to specific questions, puzzles, and debates
10. Written and oral arguments using appropriate evidence, with sensitivity to opposing perspectives, about significant political processes, events, and concepts

Entry to the Major

Pre-Major

All students intending to major in Political Science must enroll as Political Science pre-majors. After completion of preparation for the major courses, they need to petition to enter the major in the Undergraduate Office, 4269 Bunche Hall.

Transfer Students

Transfer applicants to the Political Science major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one statistics course and four courses from political theory, world politics, game theory, American politics, or comparative politics.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Students must complete all pre-major courses with a 2.0 grade-point average by the time they attain 135 units. Admission to the major is granted only after successful completion of all lower-division requirements.

Major Requirements

Preparation for the Major

Complete five courses as follows:

Political Science

Select four courses from:

POL SCI 10 - Introduction to Political Theory

POL SCI 20 - World Politics

POL SCI 30 - Politics and Strategy

POL SCI 40 - Introduction to American Politics

POL SCI 50 - Introduction to Comparative Politics

Statistics

Complete the following course:

POL SCI 6 - Introduction to Data Analysis

SUBSTITUTIONS

Statistics 10 or 12 may be substituted for course 6.

STATS 10 - Introduction to Statistical Reasoning

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

The Major

Complete 10 upper-division courses (minimum 40 units) selected from Political Science M105 through 199. Each course must be a minimum of 4 units and taken for a letter grade.

Honors Program

To qualify for departmental honors at graduation, students must complete a senior thesis. Highest honors are awarded at the discretion of the honors program director and are based on both cumulative grade-point average in the major and the quality of the honors thesis to students who graduate with a final GPA in the major of at least 3.85, and who complete the senior honors thesis with a letter grade of A+.

Policies

The Major Policies

Each courses must be taken for a letter grade. Students are required to maintain a 2.0 overall grade-point average in all upper-division political science courses.

Courses 191H, 195CE, 198, and 199 may not be applied toward either the concentration or distribution requirement.

Honors Program

The department honors program is open to seniors and to students who (1) have completed five upper-division political science courses (two of which are in one field), (2) have a 3.5 grade-point average in upper-division political science courses, and (3) are eligible for College of Letters and Science honors. Students should have substantial experience in writing research papers before they enter the honors program or course 191H.

Successful completion of the honors program is indicated on the transcript and diploma.

Major

Political Science MA, PhD

College / School
College of Letters and Science

Department
Political Science

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Master of Arts

Overview

The graduate program leads to the PhD degree in Political Science (a master's degree may be earned in the process of completing PhD requirements). It is designed to give students a strong foundation in the

discipline while enabling them to acquire additional skills for advancing their professional careers.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Psychiatry and Biobehavioral Sciences Overview

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David Geffen School of Medicine

B7-357 Semel Institute
Box 951759
Los Angeles, CA 90095-1759

Psychiatry and Biobehavioral Sciences
310-206-5110

Helena Hansen, MD, PhD, ***Interim Executive Chair***
Barry H. Guze, MD, ***Vice Chair***
Alex J. Kopelowicz, MD, ***Vice Chair***
Ira M. Lesser, MD, ***Vice Chair***
Stephen R. Marder, MD, ***Vice Chair***
James T. McCracken, MD, ***Vice Chair***
Thomas B. Strouse, MD, ***Vice Chair***
Margaret L. Stuber, MD, ***Associate Chair, Medical Student Education***
Bonnie T. Zima, MD, MPH, ***Associate Chair, Academic Affairs***

The Department of Psychiatry and Biobehavioral Sciences offers interdisciplinary courses related to the mental health professions of the biobehavioral sciences in addition to its programs for psychiatry interns and residents and for medical students.

Enrollment in department courses is limited to registered UCLA students, students registered in programs officially affiliated with UCLA, and students enrolled concurrently through UCLA Extension. Students who

meet these requirements, but who are not affiliated with a departmental training program, must also meet required course requisites determined by specific educational programs.

Doctoral Internship Program in Clinical Psychology

The department offers a 12-month **Doctoral Internship program in clinical psychology**. Students enrolled in clinical psychology doctoral programs at APA-approved universities are eligible to apply. Applications are accepted from September 1 through November 1. The primary goal of the internship is to provide a year of intensive exposure to a wide variety of clinical experiences. The training is designed to maximize the personal growth of each intern. Interns are expected to develop proficiency in an area of focus as well as gain experience outside of their specific area of interest. At the beginning of the year, trainees design a program, both to supplement and complement previous development. Within the learning settings chosen by the trainee, every effort is made to teach the specific techniques necessary to gain competence. The great variety of resources makes both the individualized choice and the acquisition of skills possible. Students interested in this program should contact the program office at B7-357 Semel Institute, 310-206-5110.

Psychology Overview

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College of Letters and Science

1285 Psychology Building
Box 951563
Los Angeles, CA 90095-1563

Psychology
310-825-2961

Thomas N. Bradbury, PhD, ***Chair***
Alicia Izquierdo, PhD, ***Vice Chair, Academic Personnel***
Barbara Knowlton, PhD, ***Vice Chair, Undergraduate Studies***
Theodore F. Robles, PhD, ***Vice Chair, Graduate Studies***

Psychology is a subject of considerable interest to most people—we all tend to practice some form of intuitive psychology in an attempt to understand ourselves and the people and groups with whom we interact. The curriculum offered by the Department of Psychology presents psychology as a scientific discipline that employs systematic methods of inquiry to study and explain human and animal behavior—both normal and abnormal—in terms of a variety of underlying variables, including neural, physiological, and cognitive processes; developmental factors and individual differences; and social and interpersonal influences and contexts. According to recent surveys, the Psychology Department is ranked as one of the top departments in the country.

Undergraduate Study

The undergraduate curriculum has been designed to reflect the extensive breadth of psychology—both the range of behavioral phenomena studied and the variety of methods and theoretical approaches

employed—while allowing students to pursue in greater depth those areas in which they become most interested. Beyond basic core courses, students can take many specialized courses in areas such as behavioral neuroscience, animal behavior, learning and memory, motivation, perception, cognition, measurement, personality, and clinical, social, developmental, community, and health psychology. The curriculum also provides excellent opportunities for research experience—either in the form of laboratory courses or by participation with faculty members and graduate students in a wide variety of research projects.

Three undergraduate majors are offered: a Bachelor of Arts (BA) in Psychology, a Bachelor of Science (BS) in Cognitive Science, and a BS in Psychobiology. While the majors overlap in certain fundamental and basic knowledge bases, they differ considerably in their focus (i.e., the extent to which certain areas of psychology and related disciplines are studied) and in terms of the different student interests and needs they satisfy. For nonmajors, the department offers many courses that provide students with new and valuable insights into the understanding of human behavior, including their own.

Honors Courses

Each year the department offers a selection of honors courses, designated with an H suffix. The courses provide close contact with faculty members, emphasize readings in the original literature, student reports, and small group discussions, and may include field or research experience. Contact the College of Letters and Science for information on requirements for College Honors.

Graduate Study

At the graduate level, the department offers training leading to the PhD degree with emphases in the areas of behavioral neuroscience, clinical, cognitive, cognitive neuroscience, computational cognition, developmental, health, learning and behavior, quantitative, social, and social and affective neuroscience. The graduate program is designed to prepare future psychologists for careers as scientific investigators, college and university teachers, and clinical scientists.

Fieldwork and Research Opportunities

Many research and fieldwork opportunities are open to students who wish to expand their knowledge and broaden their background in the field of psychology. These experiences can be enriching and help bring undergraduate students closer to understanding the importance of research and internships, including their applications in the everyday world. At least one of the following courses is recommended for students planning postgraduate study: Psychology 99, 185, 192, 194A through C194D, 195A, 195B, 196A, 196B, 199A, or 199B. Only 12 units from any combination of courses 185, 192, 194, 195, and 196 may be applied toward the undergraduate degree. Information about these courses and programs is available from the Undergraduate Advising Office.

Only one 4-unit 199 course may be taken per term, and only 16 units of course 199 may be applied toward the degree. Only one 199 course may be taken for a letter grade (additional 199 courses may be taken on a P/NP basis). If approved in advance by the Undergraduate Advising Office, 8 units of course 199 may be applied toward the Psychology 195B/196B requirement for the Cognitive Science major and 4 units of course 199B may be applied toward the elective course requirements for the Psychology major.

Psychology Research Opportunity Programs

The **Psychology Research Opportunity Programs** (PROPS) represent a vital effort to identify and mentor underrepresented minority and/or low-income students. The purpose of PROPS is to encourage such students to participate in research and pursue graduate studies leading to careers in academia. The recruitment and application process for PROPS takes place each fall quarter. Students selected to participate are awarded stipends for winter and spring quarters, during which time they do research under the mentorship of a psychology faculty member. In addition, students are required to attend weekly seminars covering such topics as graduate school, careers in academia, and research opportunities in various fields of psychology. Prior research experience is not required. This is an excellent opportunity for students to begin their research careers and acquire the needed experience to pursue advanced studies.

Infant Development Program

The **Megan E. Daly Infant Development Program** (IDP), established in May 1983, is located at the Fernald Center at 320 N. Charles E. Young Drive and has two primary functions: (1) to offer quality group care for infants and toddlers of the students, staff, and faculty of the Psychology Department and other UCLA departments, and (2) to serve as a teaching and research facility for the Psychology Department and the UCLA community. The program's two classrooms each serve children from three months to three years old and accommodate both cross-sectional and longitudinal investigation of infants, toddlers, their families, and caregivers. In addition, the program serves as a primary internship site for students in the Applied Developmental Psychology (ADP) minor, enabling ADP students to acquire firsthand experience observing and caring for infants and toddlers in a professional group setting.

UCLA Psychology Clinic

The UCLA **Psychology Clinic** in the Department of Psychology is a major training center for students in the clinical psychology PhD program, one of the top-ranked programs in the country. It provides a broad range of psychological services to children and adults, including assessment and individual, couples, family, and group therapy. Clients cover the entire age range and represent diverse populations in the community.

Student therapists receive very close supervision and utilize research-based cutting-edge psychological interventions. Students and faculty members are also involved in a variety of research projects through

the clinic.

Psychology Faculty Roster

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Professors

Howard S. Adelman, PhD
Carrie E. Bearden, PhD, *in Residence*
Robert M. Bilder, PhD, *in Residence (Michael E. Tennenbaum Family Endowed Professor of Creativity Research)*
James W. Bisley, PhD *(Ethel Scheibel Professor of Neuroscience)*
Janet B. Blacher, PhD
Hugh T. Blair, PhD
Aaron P. Blaisdell, PhD
Susan Y. Bookheimer, PhD, *in Residence (Joaquin M. Fuster Professor of Cognitive Neuroscience)*
Julienne E. Bower, PhD
Thomas N. Bradbury, PhD
Dean V. Buonomano, PhD
Li Cai, PhD
Alan D. Castel, PhD
Denise A. Chavira, PhD
Patricia Cheng, PhD
Bruce F. Chorpita, PhD
Mark S. Cohen, PhD, *in Residence*
Michelle G. Craske, PhD *(Kevin Love Fund Centennial Professor)*
Naomi I. Eisenberger, PhD
Craig K. Enders, PhD
Christopher J. Evans, PhD, *in Residence (Stefan Hatos Endowed Professor of Psychiatry and Biobehavioral Sciences)*
Craig R. Fox, PhD *(Harold Williams Professor of Management)*
Andrew J. Fuligni, PhD, *in Residence*

Adriana Galván, PhD

Noah J. Goldstein, MA, PhD *(Ho-Su Wu Professor of Management)*

Patricia M. Greenfield, PhD

Martie G. Haselton, PhD

Hal E. Hershfield, PhD

Keith Holyoak, PhD

Yuen J. Huo, PhD

Michael R. Irwin, MD, *in Residence (Norman Cousins Endowed Professor of Psychoneuroimmunology)*

Alicia Izquierdo, PhD

Kerri L. Johnson, PhD

Jaana H. Juvonen, PhD

Benjamin R. Karney, PhD

Philip Kellman, PhD

Barbara Knowlton, PhD

Anna S. Lau, PhD

Steve S. Lee, PhD

Matthew D. Lieberman, PhD

Zili Liu, PhD

Hongjing Lu, PhD

Vickie M. Mays, PhD

David J. Miklowitz, PhD, *in Residence*

Martin M. Monti, PhD

Keith H. Nuechterlein, PhD, *in Residence*

Efrén O. Pérez, PhD

Lara A. Ray, PhD

Steven P. Reise, PhD

Dario L. Ringach, PhD

Theodore F. Robles, PhD

Catherine M. Sandhofer, PhD

Ladan Shams, PhD

Margaret J. Shih, PhD *(Neil Jacoby Professor of Management)*

Alcino J. Silva, PhD

Annette L. Stanton, PhD

A. Janet Tomiyama, PhD

Lucina Q. Uddin, PhD, *in Residence*

Miguel M. Unzueta, PhD

Kate M. Wassum, PhD *(Bernice Wenzel and Wendell Jeffrey Term Endowed Professor of Behavioral Neuroscience)*

Patrick A. Wilson, PhD

Cindy M. Yee-Bradbury, PhD

Professors Emeriti

Paul R. Abramson, PhD
Bruce L. Baker, PhD
Jackson Beatty, PhD
Peter M. Bentler, PhD
Elizabeth L. Bjork, PhD
Robert A. Bjork, PhD
William E. Broen, Jr., PhD
Andrew Christensen, PhD
Christine A. Dunkel Schetter, PhD
Michael S. Fanselow, PhD *(Staglin Family Professor Emeritus of Psychology)*
Charles R. Gallistel, PhD
R. Edward Geiselman, PhD
Rochel Gelman, PhD
Gerald M. Goodman, PhD
Carlos V. Grijalva, PhD
Constance L. Hammen, PhD
Eric W. Holman, PhD
John P. Houston, PhD
Scott P. Johnson, PhD
Franklin B. Krasne, PhD
Steven R. Lopez, PhD
Donald G. MacKay, PhD
Albert Mehrabian, PhD
Gregory A. Miller, PhD
Hector F. Myers, PhD
L. Anne Peplau, PhD
Rena L. Repetti, PhD
Tara K. Scanlan, PhD
Stanley J. Schein, MD, PhD
David O. Sears, PhD
James W. Stigler, PhD
Shelley E. Taylor, PhD
James P. Thomas, PhD
Bernard Weiner, PhD
John R. Weisz, PhD

Associate Professors

Avishek Adhikari, PhD

Han Du, PhD
Jesse A. Harris, PhD
Katherine H. Karlsgodt, PhD
Ian M. Krajbich, PhD
Amanda K. Montoya, PhD
Carolyn M. Parkinson, PhD *(Bernice Wenzel and Wendell Jeffrey Endowed Term Professor of Cognitive Neuroscience)*
Jesse A. Rissman, PhD
Jennifer A. Silvers, PhD *(Bernice Wenzel and Wendell Jeffrey Endowed Term Professor of Developmental Neuroscience)*
Jennifer A. Sumner, PhD
Nanthia A. Suthana, PhD, *in Residence*

Assistant Professors

Idan A. Blank, PhD
Tiffany N. Brannon, PhD
Bridget L. Callaghan, PhD
Jaime J. Castrellon, PhD
David Clewett, PhD
Yi Feng, PhD
Tao Gao, PhD
Tiffany C. Ho, PhD
Jaimie A. Krems, PhD
Falk Lieder, PhD
Lauren C. Ng, PhD
Andrew M. Wikenheiser, PhD

Lecturers PSOE

Steve J. Bennoun, PhD
Melissa Paquette-Smith, PhD

Lecturers

Amber N. Ankowski, PhD
Bonnie S. Goff, PhD
Elisheva F. Gross, PhD
Julie D. Smurda, PhD
Jared Wong, PhD

Adjunct Professors

Iris Firstenberg, PhD
Karen B. Givvin, PhD
William E. Grisham, PhD
Danielle Keenan-Miller, PhD
Jill M. Waterman, PhD, *Emerita*
Nancy J. Woolf, PhD, *Emerita*
Dahlia Zaidel, PhD

Adjunct Associate Professors

Richard T. LeBeau, PhD
Philip Sayegh, PhD

Adjunct Assistant Professors

Melissa J. Sharpe, PhD
Yalda J. Uhls, PhD

Major

Cognitive Science BS

College / School
College of Letters and Science

Department
Psychology

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The Cognitive Science major focuses on the study of intelligent systems, both real and artificial. While including a strong foundation in the traditional areas of psychology, the major is interdisciplinary in nature

and emphasizes subject matter within cognitive psychology, computer science, mathematics, and related disciplines.

The requirements described below include sufficient preparation if students plan to pursue graduate work in cognitive science or related fields; however, they may want to include additional advanced courses in psychology and fields related to cognitive science (e.g., computer science, linguistics, mathematics, philosophy, and statistics) as well as other types of research and fieldwork experiences.

Capstone Major

The Cognitive Science major is a designated capstone major. Students are required to produce a paper based on each term of their experience in a research laboratory or approved fieldwork site. Through completion of the capstone experience students are expected to identify a research topic and hypothesis to be tested or a fieldwork project and goals, show that they can organize and integrate information related to the topic or project in a clear manner in their own words, demonstrate ability to find and utilize supporting literature relevant to their project or topic, and successfully relate the paper to their experience in the laboratory or fieldwork setting.

Learning Outcomes

1. Ability to identify a research topic and hypothesis to test, or a fieldwork project and goals
2. Demonstrated organization and integration, in a clear manner and in the student's own words, of information related to a topic or project
3. Demonstrated ability to find and utilize supporting literature relevant to a project or topic
4. Successful relation of the paper to the student's laboratory or fieldwork experience
5. Ability to discuss results in front of a peer group: verbally communicate ideas motivating the experiment, make the experiment clear to those not familiar with the methods, and answer questions

Entry to the Major

Pre-Major

Students need to file a petition with the Undergraduate Advising Office to declare the Cognitive Science pre-major. They are then identified as Cognitive Science pre-majors until they (1) satisfy the preparation for the major requirements and (2) are accepted into the major through a competitive application process (for students who entered UCLA as first years) or file a petition to declare the Cognitive Science major (for students who entered UCLA as Cognitive Science pre-major transfers). Questions about the major should be directed to the Undergraduate Advising Office.

First-Year Students

Students may declare the Cognitive Science pre-major once they have established a 2.9 grade-point average (GPA) in at least one preparation for the major course.

Students must petition to declare the Cognitive Science major and can do so once they complete all preparation for the major courses and submit an application to enter the major by the end of the fall quarter of their third year at UCLA. Admission into the major is based on student academic performance in the preparation courses. Students must have a minimum 2.9 GPA in preparation coursework and submit the application by the above deadline in order to be admitted to the major. A minimum 3.2 GPA is required for guaranteed admittance to the major.

Students with a GPA between 2.9 and 3.19 in the preparation coursework enter a competitive application pool and are admitted only if there is space available in the major. Students with a GPA below 2.9 in the preparation coursework are not eligible to apply for admission to the major.

Transfer Students

Transfer applicants to the Cognitive Science major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one biology course, one general chemistry or general physics course, two calculus/analytical geometry courses, one general physics course, one philosophy course, one introduction to psychology course, one introduction to cognitive science course, one psychological statistics course, one psychology research methods course, one computer programming course in C++, and one other computer programming course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Students who repeat more than two preparation courses or any preparation course more than once are denied admission to the major.

Each of the required courses must be taken for a letter grade (C or better in each course and a 2.5 overall grade-point average in the preparation courses) by the end of the summer quarter of the third year to be eligible to petition to declare the Cognitive Science major.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Undergraduate Advising Office.

Major Requirements

Preparation for the Major

Complete 12 or 13 courses as follows:

Chemistry or Linguistics or Physics

Select one course from:

- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 17 - Chemical Principles
- CHEM 20A - Chemical Structure
- LING 1 - Introduction to Study of Language
- LING 20 - Introduction to Linguistic Analysis
- PHYSICS 1A - Physics for Scientists and Engineers: Mechanics
- PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy
- PHYSICS 10 - Physics
- PHYSICS 11 - Revolutions in Physics

Life Sciences of Physiological Science

Select one course from:

- LIFESCI 7A - Cell and Molecular Biology
- LIFESCI 15 - Life: Concepts and Issues
- PHYSCI 3 - Introduction to Human Physiology

Mathematics

Select one series from:

MATHEMATICS 3 SERIES

- MATH 3A - Calculus for Life Sciences Students
- MATH 3B - Calculus for Life Sciences Students
- MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

MATHEMATICS 31 SERIES

Students may select Mathematics 31 or 31AL.

- MATH 31A - Differential and Integral Calculus
- MATH 31AL - Differential and Integral Calculus Laboratory
- MATH 31B - Integration and Infinite Series

Philosophy

Select one course from:

- PHILOS 7 - Introduction to Philosophy of Mind
- PHILOS 8 - Introduction to Philosophy of Science
- PHILOS 9 - Principles of Critical Reasoning
- PHILOS 23 - Meaning and Communication
- PHILOS 31 - Logic, First Course

Program in Computing

Complete three courses as follows:

COMPTNG 10A - Introduction to Programming

ADDITIONAL COMPUTING

Select two courses from:

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 16B - Python with Applications II

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

PSYCH 20A - MATLAB Programming for Behavioral Sciences

PSYCH 20B - Advanced Topics in MATLAB Programming for Behavioral Sciences

PSYCH 30 - Web Programming for Psychology

STATS 20 - Introduction to Statistical Programming with R

STATS 21 - Python and Other Technologies for Data Science

Psychology

Complete the following four courses:

PSYCH 10 - Introductory Psychology

PSYCH 85 - Introduction to Cognitive Science

PSYCH 100A - Psychological Statistics

PSYCH 100B - Research Methods in Psychology

The Major

Required Psychology Courses

Complete three courses as follows:

PSYCHOLOGY 115

Complete the following course:

PSYCH 115 - Principles of Behavioral Neuroscience

Substitution for Psychology 115

Psychology 115 may be substituted with Psychology M117A, M117B, M117C. Students who complete Psychology M117A, M117B, M117C receive equivalent credit for course 115 and two upper-division cognitive science electives. All three courses must be completed to receive cognitive science elective credit.

PSYCH M117A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PSYCH M117B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCHOLOGY 120A OR 120B

Select one course from:

PSYCH 120A - Cognitive Psychology

PSYCH 120B - Sensation and Perception

PSYCHOLOGY 124A THROUGH 124K

Select one course from:

Psychology 124A through 124K

Additional Required Course

Select one course from:

COM SCI 161 - Fundamentals of Artificial Intelligence

PSYCH 111 - Learning Laboratory

PSYCH M116A - Behavioral Neuroscience Laboratory

PSYCH 116B - Human Neuropsychology Laboratory

PSYCH 121 - Laboratory in Cognitive Psychology

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

PSYCH 186C - Cognitive Science Laboratory: Psychophysical Theories and Methods

PSYCH 186D - Laboratory in Functional Neuroimaging

Upper-Division Electives

Select five upper-division elective courses (20 units) from the following list of courses or ranges:

COURSES

One quarter of Psychology 196B may be applied if course has not been applied toward capstone requirement. Psychology 191CH may by applied only if content is approved by the undergraduate advising office and it has not been applied toward the Psychology 195B or 196B requirement. If Psychology 191CH is applied as an elective, it may not also be applied toward the fieldwork/research requirement.

PSYCH 110 - Fundamentals of Learning

PSYCH 111 - Learning Laboratory

PSYCH 120A - Cognitive Psychology

PSYCH 120B - Sensation and Perception

PSYCH 121 - Laboratory in Cognitive Psychology

PSYCH 130 - Developmental Psychology

PSYCH 133B - Cognitive Development

PSYCH 133C - Language Development

PSYCH 133E - Perceptual Development

PSYCH 135 - Social Psychology

PSYCH 137A - Neuroscience of Social Perception

PSYCH M137B - Nonverbal Communication and Body Language

PSYCH 137G - Social Cognitive Neuroscience

PSYCH 137N - Conscious Experience: Social Cognitive Neuroscience Approach

PSYCH 142H - Advanced Statistical Methods in Psychology (Honors)

PSYCH 161 - Behavior and Brain Development

PSYCH M166 - Neurobiology of Bias and Discrimination

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

PSYCH 186C - Cognitive Science Laboratory: Psychophysical Theories and Methods

PSYCH 186D - Laboratory in Functional Neuroimaging

PSYCH 196B - Research Apprenticeship in Cognitive Science

PSYCH 191CH - Departmental Honors Research Seminars

ANTHRO 124Q - Evolutionary Psychology

ANTHRO M124R - Evolution of Language

ANTHRO 136A - Introduction to Psychological Anthropology: Historical Development

ANTHRO M150 - Language in Culture

COMM 115 - Interpersonal Dynamics

COMM 118 - Language and Music

COMM 119 - Voice and Its Perception

COMM 122 - Visual Communication

COMM 126 - Evolution of Interpersonal Communication

COMM M127 - Animal Communication

COMM 130 - Science of Language

COMM 131 - Computer Models of Communicators

COMM 155 - Artificial Intelligence and New Media

MSC IND M103 - Music, Mind, and Brain

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

NEUROSC M145 - Neural Mechanisms Controlling Movement

NEUROSC C177 - Drugs of Abuse: Translational Neurobiology

NEUROSC 180 - Genetic, Molecular, and Genomic Approaches to Neural Development and Disease

NEUROSC 181 - Cellular and Molecular Mechanisms of Learning and Memory

NEUROSC 182 - Pharmacology of Drugs of Abuse

PHILOS 154 - Topics in Value Theory: Rationality and Action

PHILOS C154B - Topics in Value Theory: Moral Responsibility and Free Will

PHILOS 170 - Philosophy of Mind

PHILOS 172 - Philosophy of Language and Communication

PHILOS 174 - Topics in Theory of Knowledge

PHILOS 180 - Philosophy of Action

PHILOS 181 - Philosophy of Perception

PSYCTRY M182 - Personal Brain Management

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 115 - Probabilistic Decision Making

STATS C161 - Introduction to Pattern Recognition and Machine Learning

STATS C180 - Introduction to Bayesian Statistics

PSYCHOLOGY 112A THROUGH 116B

Psychology 112A through 116B

PSYCHOLOGY 118 THROUGH 119Y

Psychology 118 through 119Y

PSYCHOLOGY 124A THROUGH 124K

Psychology 124A through 124K

COMPUTER SCIENCE 111 THROUGH CM186

Select from Computer Science 111 through CM186.

LINGUISTICS 103 THROUGH 185B

Linguistics 103 through 185B

MATHEMATICS 110A THROUGH 171

Mathematics 110A through 171

PHILOSOPHY 124 THROUGH 138

Philosophy 124 through 138

Capstone

In the junior or senior year, complete one capstone term of Psychology 195B or 196B (may be fulfilled by taking any one course from 195B or 196B or 196B/194C, provided content is approved by the Undergraduate Advising Office).

PSYCH 195B - Corporate Internships in Cognitive Science

PSYCH 196B - Research Apprenticeship in Cognitive Science

PSYCH 194C - Research Group Seminars: Cognitive Science

Honors Program

Students work for one year (fall through spring quarters) with a Psychology Department faculty sponsor on a research project that is the basis of a formal honors thesis. During that year they also participate in a weekly seminar (Psychology 191AH, 191BH, 191CH) in which thesis projects are presented and discussed and other topics of interest are explored with invited faculty members and other guests. Other requirements may apply.

PSYCH 191AH - Departmental Honors Research Seminars

PSYCH 191BH - Departmental Honors Research Seminars

PSYCH 191CH - Departmental Honors Research Seminars

Computing Specialization

Majors may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the specified major and completing the following course requirements. A grade of C or better is required in each course. Students graduate with a bachelor's degree in their major and a specialization in Computing. Students planning to enter this specialization should contact the Undergraduate Advising Office.

Computing

Select four courses from:

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

COMPTNG 15 - Introduction to Lisp and Symbolic Computation

COMPTNG 16A - Python with Applications I

COMPTNG 16B - Python with Applications II

COMPTNG 20A - Principles of Java Language with Applications

COMPTNG 40A - Introduction to Programming for Internet

PSYCH 20A - MATLAB Programming for Behavioral Sciences

PSYCH 20B - Advanced Topics in MATLAB Programming for Behavioral Sciences

PSYCH 30 - Web Programming for Psychology

STATS 20 - Introduction to Statistical Programming with R

STATS 21 - Python and Other Technologies for Data Science

Psychology Elective

Select two courses from the following list. One 199 course may be substituted for one of these courses provided project has been approved by vice chair.

PSYCH 85 - Introduction to Cognitive Science

PSYCH 119D - Learning in Biological and Artificial Neural Networks

PSYCH 121 - Laboratory in Cognitive Psychology

PSYCH 142H - Advanced Statistical Methods in Psychology (Honors)

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

PSYCH 186C - Cognitive Science Laboratory: Psychophysical Theories and Methods

PSYCH 186D - Laboratory in Functional Neuroimaging

Policies

Preparation for the Major Policies

Each of the required courses must be taken for a letter grade, and completed with a C or better.

Students cannot take Psychology 100B until they have passed course 100A with a grade of C or better. Psychology 100A and 100B should be taken early in the career; these courses are open only to students who have declared the Cognitive Science pre-major before the term in which they plan to enroll. Students with no background in introductory statistics should take Statistics 10 before enrolling in course 100A.

The Major Policies

Students who complete Psychology M117A, M117B, M117C receive equivalent credit for course 115 and two upper-division cognitive science electives. All three courses must be completed to receive cognitive science elective credit.

Students must have a 2.0 grade-point average in all upper-division courses selected to satisfy major requirements. With the exception of Psychology 195B and 196B, each course must be taken for a letter grade.

Honors Program

Majors intending to continue study at the graduate level are encouraged to apply for the departmental honors program. Contact the Undergraduate Advising Office during spring quarter for more information and application forms. Satisfactory completion of the program and the other requirements for the major leads to awarding of the degree with honors or highest honors.

Major

Psychobiology BS

College / School
College of Letters and Science

Department
Psychology

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Overview

The Psychobiology major is designed for students who plan to go on to postgraduate work in physiological psychology, neuroscience, behavioral aspects of biology, or the health sciences. Psychobiology is the study of behavior from a biological perspective. It includes neural, experimental psychological, natural

history, genetic, comparative/evolutionary, and developmental approaches to understanding human and animal behavior.

The requirements described below include sufficient preparation if students plan to pursue graduate work in any of the above fields; however, they may want to include additional advanced courses in psychology and related sciences as well as other types of research and fieldwork experiences.

Learning Outcomes

1. Demonstrated ability to use working knowledge of the nervous system to deduce the consequence of nervous system dysfunctions
2. Demonstrated understanding of molecular events at a cellular level by describing the physiological consequences of such events in qualitative and quantitative terms
3. Demonstrated ability to utilize knowledge of sensory systems by describing their processes in both quantitative and phenomenological terms
4. Demonstrated ability to choose and apply the appropriate quantitative analysis tools to a data set and meaningfully interpret the results of the analysis
5. Demonstrated ability to read primary literature in the field and evaluate the validity of conclusions in light of the methodology and statistical analyses used as well as the logic of assertions presented
6. Demonstrated ability to communicate the results of laboratory work orally or in writing with appropriate graphic depictions of the data
7. Ability to relate work in literature in meaningful ways, explaining the motivation for the study and the interpretation of the results
8. Demonstrated thorough knowledge of neuroanatomy, including lobes of the brain, major anatomical landmarks, cranial nerves, and major subcortical structures

9. Demonstrated thorough knowledge of the sequence of events that results in an action

10. Demonstrated thorough knowledge of sensory systems, including signal transmission, neuroanatomical connections, and response properties of neurons in primary cortical areas

11. Ability to analyze the behavior of neurons in circuits and predict how other neurons in the circuit will react when other neurons are depolarized or hyperpolarized

Entry to the Major

Pre-Major

Students need to file a petition in the Undergraduate Advising Office to declare the Psychobiology pre-major. They are then identified as Psychobiology pre-majors until they (1) satisfy the preparation for the major requirements and (2) file a petition to declare the Psychobiology major.

Transfer Students

Transfer applicants to the Psychobiology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C; one year of calculus; one year of general chemistry with laboratory for majors; one semester of organic chemistry with laboratory; one introduction to psychology course; one psychological statistics course; and one psychology research methods course. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Entry to the Major Policies

Student must complete all preparation for the major courses by the end of the summer quarter of their third year to be eligible to petition to declare the Psychobiology major.

Students who repeat more than two preparation courses or any preparation course more than once are denied admission to the major.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Undergraduate Advising Office.

Major Requirements

Preparation for the Major

Complete three required psychology courses and the Life Sciences Core Curriculum.

PSYCH 10 - Introductory Psychology

PSYCH 100A - Psychological Statistics

PSYCH 100B - Research Methods in Psychology

Life Sciences Core Curriculum

CHEMISTRY

Select one series from:

Chemistry 14 series

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEM 14C - Structure of Organic Molecules

CHEM 14D - Organic Reactions and Pharmaceuticals

Chemistry 20 and 30 series

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 series

Students may select Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Mathematics 3 series

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

Mathematics 31 series

Students may select Mathematics 31A or 31AL.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

PHYSICS

Select one series from:

Physics 1 series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

The Major

Required Courses

Complete five courses as follows:

ECOLOGY AND EVOLUTIONARY BIOLOGY OR PSYCHOLOGY

Select one course from:

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 129 - Animal Behavior

PSYCH 118 - Comparative Psychobiology

PSYCHOLOGY 110

PSYCH 110 - Fundamentals of Learning

PSYCHOLOGY 115

PSYCH 115 - Principles of Behavioral Neuroscience

Substitution for Psychology 115

Psychology 115 may be substituted with Psychology M117A, M117B, M117C. Students who complete Psychology M117A, M117B, M117C receive equivalent credit for course 115 and 10 units of upper-division psychobiology electives. All three courses must be completed to receive psychobiology elective credit.

PSYCH M117A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PSYCH M117B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCHOLOGY M116A OR 116B OR NEUROSCIENCE 101L

Select one course from:

PSYCH M116A - Behavioral Neuroscience Laboratory

PSYCH 116B - Human Neuropsychology Laboratory

NEUROSC 101L - Neuroscience Laboratory

PSYCHOLOGY 120A OR 120B

Select one course from:

PSYCH 120A - Cognitive Psychology

PSYCH 120B - Sensation and Perception

Additional Psychology Course

Select one course from the following list or range:

COURSES

PSYCH 127A - Clinical Psychological Science

PSYCH 127B - Clinical Psychological Science: Biological Bases

PSYCH 127C - Clinical Psychological Science: Developmental Perspectives

PSYCH 130 - Developmental Psychology

PSYCH 135 - Social Psychology

PSYCH 150 - Introduction to Health Psychology

PSYCH 161 - Behavior and Brain Development

PSYCHOLOGY 133A THROUGH 133I

Psychology 133A through 133I

Electives

Select 16 units of graded elective courses from the following list or ranges:

COURSES

Only one course from Ecology and Evolutionary Biology 112, 113A, or 114A may be applied. Only 4 units of Ecology and Evolutionary Biology 124A may be applied toward the major. Psychology 191CH may only be applied if content is approved by the undergraduate vice chair.

PSYCH 111 - Learning Laboratory

PSYCH 112A - Basic Processes of Motivated Behavior

PSYCH 112B - Psychobiology of Fear and Anxiety

PSYCH 112C - Psychobiology of Anxiety and Depression

PSYCH 112D - Animal Cognition

PSYCH 112E - Decision Making and Brain

PSYCH M117A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PSYCH M117B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 124E - Decision Psychology and Neuroscience

PSYCH 124K - Ethical, Legal, and Societal Implications of Cognitive Neuroscience

PSYCH 137A - Neuroscience of Social Perception

PSYCH 137G - Social Cognitive Neuroscience

PSYCH 152 - Mind-Body Interactions and Health

PSYCH 161 - Behavior and Brain Development

PSYCH 162 - Psychology of Addiction

PSYCH 164 - Puberty and Sleep

PSYCH M166 - Neurobiology of Bias and Discrimination

PSYCH 186D - Laboratory in Functional Neuroimaging

PSYCH 191CH - Departmental Honors Research Seminars

CHEM 153A - Biochemistry: Introduction to Structure, Enzymes, and Metabolism

CHEM 153L - Biochemical Methods I

C&S BIO M187 - Research Communication in Computational and Systems Biology

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 102 - Biology of Marine Invertebrates

EE BIOL 105 - Biology of Invertebrates

EE BIOL 106 - Experimental Marine Invertebrate Biology

EE BIOL 110 - Vertebrate Morphology

EE BIOL 111 - Biology of Vertebrates

EE BIOL 112 - Ichthyology

EE BIOL 113A - Herpetology

EE BIOL 114A - Ornithology

EE BIOL 115 - Mammalogy

EE BIOL 117 - Evolution of Vertebrates

EE BIOL C119A - Mathematical and Computational Modeling in Ecology

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL 122 - Ecology

EE BIOL 124A - Field Ecology

EE BIOL 129 - Animal Behavior

EE BIOL C135 - Population Genetics

EE BIOL 164 - Field Biology of Marine Fishes

EE BIOL 170 - Animal Environmental Physiology

LIFESCI 107 - Genetics

MIMG C185A - Immunology

MCD BIO 100 - Introduction to Cell Biology

MCD BIO 104AL - Research Immersion Laboratory in Developmental Biology

MCD BIO 138 - Developmental Biology

MCD BIO M140 - Cancer Cell Biology

MCD BIO CM156 - Human Genetics and Genomics

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

PHYSCI C130 - Sex Differences in Physiology and Disease

PHYSCI C144 - Neural Control of Physiological Systems

PHYSCI 146 - Principles of Nervous System Development

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 166 - Animal Physiology

PHYSCI 173 - Anatomy and Physiology of Sense Organs

PSYCHOLOGY 119A THROUGH 119Y

Psychology 119A through 119Y

Honors Program

Students work for one year (fall through spring quarters) with a Psychology Department faculty sponsor on a research project that is the basis of a formal honors thesis. During that year they also participate in a weekly seminar (Psychology 191AH, 191BH, 191CH) in which thesis projects are presented and discussed and other topics of interest are explored with invited faculty members and other guests. Other requirements may apply.

PSYCH 191AH - Departmental Honors Research Seminars

PSYCH 191BH - Departmental Honors Research Seminars

PSYCH 191CH - Departmental Honors Research Seminars

Policies

Preparation for the Major Policies

Each of the preparation for the major courses must be taken for a letter grade (C or better in Psychology 10, 100A, and 100B, C– or better in the remaining courses) with a 2.0 overall grade-point average.

Students cannot take Psychology 100B until they have passed course 100A with a grade of C or better. Psychology 100A and 100B should be taken early in the career; these courses are open only to students who have declared the Psychobiology pre-major before the term in which they plan to enroll. Students with no background in introductory statistics should take Statistics 10 before enrolling in course 100A.

The Major Policies

Students who complete Psychology M117A, M117B, M117C receive equivalent credit for course 115 and 10 units of upper-division psychobiology electives. All three courses must be completed to receive psychobiology elective credit.

Students must have a 2.0 grade-point average in all upper-division courses selected to satisfy major requirements, and each must be taken for a letter grade.

Honors Program

Majors intending to continue study at the graduate level are encouraged to apply for the departmental honors program. Contact the Undergraduate Advising Office during spring quarter for more information and application forms. Satisfactory completion of the program and the other requirements for the major leads to awarding of the degree with honors or highest honors.

Major

Psychology BA

College / School
College of Letters and Science

Department
Psychology

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Psychology major is the most general of the three majors and offers both broad and in-depth coverage of the fundamental and traditional areas of psychology. It provides students with a strong foundation for postgraduate education in psychology and can serve as excellent background to prepare

them for further training in such fields as law, education, government and public policy, business, and many of the health-related professions. Its basic liberal-arts orientation also provides students with an excellent foundation for immediate postbaccalaureate careers in many areas, particularly ones in which an understanding of human behavior and its diversity of expression would be an asset.

The requirements described below represent the minimum requirements in satisfaction of the preparation and the major. Additional courses in psychology, statistics, and related sciences, as well as other types of research and fieldwork experiences, are highly recommended if students plan to pursue graduate work in psychology and related fields. Under special circumstances, graduate-level courses can be taken by undergraduate students, although such courses may not be applied toward degree requirements for the major. For additional information, contact the Undergraduate Advising Office.

Learning Outcomes

1. Demonstrated ability to design an experiment in a field of psychology
2. Ability to formulate a hypothesis based on knowledge of current literature
3. Demonstrated application of principles of control groups and appropriate methodology
4. Demonstrated awareness of major research methods in chosen area of psychology
5. Demonstrated ability to apply appropriate statistical methods in analyzing data
6. Demonstrated ability to write up of results of an experiment
7. Ability to relate finding to current literature and interpret them in this context
8. Ability to discuss results in front of a group of other students
9. Ability to verbally communicate ideas motivating experiments

10. Ability to clarify experiment to those not familiar with the methods and answer questions

Entry to the Major

Pre-Major

Students need to file a petition in the Undergraduate Advising Office to declare the Psychology pre-major. Psychology pre-majors can petition to declare the Psychology major once they have (1) satisfied all the preparation for the major requirements and (2) are accepted into the major through a competitive application process (for students who entered UCLA as first years) or file a petition to declare the Psychology major (for students who entered UCLA as transfers).

First-Year Students

Students may declare the Psychology pre-major once they have established a 2.5 grade-point average in at least one preparation for the major course.

Students must petition to declare the Psychology major and can do so once they complete all seven preparation for the major courses and submit an application to enter the major by the end of the fall quarter of their third year at UCLA. Admission into the major is based on student academic performance in the preparation courses. Students who have a grade-point average of 2.9 or higher in the preparation coursework and have met all other Psychology pre-major requirements are guaranteed entry into the major after they submit the application by the above deadline. Students with a grade-point average between 2.5 and 2.89 in the preparation coursework enter a competitive application pool and are admitted only if there is space available in the major. Students with a grade-point average below 2.5 in the preparation coursework are not eligible to apply for admission to the major.

Transfer Students

Transfer applicants to the Psychology major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one biology course equivalent to Life Sciences 7A or 15 or Physiological Science 3, one general chemistry or general physics course, one philosophy course, one introduction to psychology course, and one course from statistics (recommended), finite mathematics, calculus, computer science theory, or computer programming in C++.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students need to petition to enter the major at the Undergraduate Advising Office.

Entry to the Major Policies

Students who repeat more than two preparation courses or any preparation course more than once are denied admission to the major.

Major Requirements

Preparation for the Major

Complete seven courses as follows:

Chemistry or Physics

Select one course from:

- CHEM 14A - General Chemistry for Life Scientists I
- CHEM 17 - Chemical Principles
- CHEM 20A - Chemical Structure
- PHYSICS 1A - Physics for Scientists and Engineers: Mechanics
- PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy
- PHYSICS 10 - Physics
- PHYSICS 11 - Revolutions in Physics

Life Sciences or Physiological Science

Select one course from:

- LIFESCI 7A - Cell and Molecular Biology
- LIFESCI 15 - Life: Concepts and Issues
- PHYSCI 3 - Introduction to Human Physiology

Philosophy

Select one course from:

- PHILOS 1 - Beginnings of Western Philosophy
- PHILOS 2 - Introduction to Philosophy of Religion
- PHILOS 3 - Historical Introduction to Philosophy
- PHILOS 4 - Philosophical Analysis of Contemporary Moral Issues
- PHILOS 5 - Philosophy in Literature
- PHILOS 6 - Introduction to Political Philosophy
- PHILOS 7 - Introduction to Philosophy of Mind
- PHILOS 8 - Introduction to Philosophy of Science
- PHILOS 9 - Principles of Critical Reasoning
- PHILOS 21 - Skepticism and Rationality
- PHILOS 22 - Introduction to Ethical Theory
- PHILOS 22W - Introduction to Ethical Theory
- PHILOS 23 - Meaning and Communication
- PHILOS 31 - Logic, First Course

Program in Computing or Statistics

Select one course from the following or one term of calculus:

- COMPTNG 10A - Introduction to Programming
- STATS 10 - Introduction to Statistical Reasoning

Psychology

Complete the following three courses:

- PSYCH 10 - Introductory Psychology
- PSYCH 100A - Psychological Statistics
- PSYCH 100B - Research Methods in Psychology

The Major

Ten courses as follows:

Core Courses

Complete five core courses, with at least two from each category and a fifth course from either category:

CATEGORY A

Select from the following list or options:

PSYCH 110 - Fundamentals of Learning

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH 120A - Cognitive Psychology

PSYCH 120B - Sensation and Perception

Substitution for Psych 115

Psychology 115 may be substituted with Psychology M117A, M117B, M117C. Students who complete Psychology M117A, M117B, M117C receive equivalent credit for course 115 and two upper-division psychology electives. All three courses must be completed to receive psychology elective credit.

PSYCH M117A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PSYCH M117B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

CATEGORY B

Select from the following list or options. Only one course from Psychology 127A, 127B, or 127C may be applied.

PSYCH 127A - Clinical Psychological Science

PSYCH 127B - Clinical Psychological Science: Biological Bases

PSYCH 127C - Clinical Psychological Science: Developmental Perspectives

PSYCH 130 - Developmental Psychology

PSYCH 135 - Social Psychology

PSYCH 150 - Introduction to Health Psychology

Substitution for Psychology 130

Psychology 130 may be substituted with one course from 133A through 133I or 161.

PSYCH 161 - Behavior and Brain Development

Psychology 133A through 133I

Psychology 133A through 133I

Laboratory/Fieldwork

Select one course from:

PSYCH 101 - General Psychology Laboratory

PSYCH 111 - Learning Laboratory

PSYCH M116A - Behavioral Neuroscience Laboratory

PSYCH 116B - Human Neuropsychology Laboratory

PSYCH 121 - Laboratory in Cognitive Psychology

PSYCH 126 - Clinical Psychology Laboratory

PSYCH 131 - Research in Developmental Psychology

PSYCH 136A - Social Psychology Laboratory

PSYCH 136B - Nonexperimental Methods in Social Psychology

PSYCH M136C - Experiments in Racial and Ethnic Politics

PSYCH 151 - Research Methods in Health Psychology

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

PSYCH 186C - Cognitive Science Laboratory: Psychophysical Theories and Methods

PSYCH 186D - Laboratory in Functional Neuroimaging

Upper-Division Psychology Electives

Complete four additional upper-division elective courses (16 units) in psychology.

Honors Program

Students work for one year (fall through spring quarters) with a Psychology Department faculty sponsor on a research project that is the basis of a formal honors thesis. During that year they also participate in a weekly seminar (Psychology 191AH, 191BH, 191CH) in which thesis projects are presented and discussed and other topics of interest are explored with invited faculty members and other guests. Other requirements may apply.

PSYCH 191AH - Departmental Honors Research Seminars

PSYCH 191BH - Departmental Honors Research Seminars

PSYCH 191CH - Departmental Honors Research Seminars

Policies

Preparation for the Major Policies

Each of the courses must be taken for a letter grade (C or better in Psychology 10, 100A, and 100B, C– or better in the remaining courses).

Students cannot take Psychology 100B until they have passed course 100A with a grade of C or better. Psychology 100A and 100B are only open to students who have declared the Psychology pre-major before the term in which they plan to enroll. It is recommended that students with no background in introductory statistics take Statistics 10 before enrolling in course 100A.

The Major Policies

Students who complete Psychology M117A, M117B, M117C receive equivalent credit for course 115 and two upper-division psychology electives. All three courses must be completed to receive psychology elective credit.

Each upper-division course must be taken for a letter grade. A C– or better is required in each core course and in at least one laboratory/fieldwork course. Students must have a 2.0 grade-point average in all upper-division courses selected to satisfy major requirements.

Honors Program

Majors intending to continue study at the graduate level are encouraged to apply for the departmental honors program. Contact the Undergraduate Advising Office during spring quarter for more information and application forms. Satisfactory completion of the program and the other requirements for the major leads to awarding of the degree with honors or highest honors.

Minor

Applied Developmental Psychology Minor

College / School

College of Letters and Science

Department

Psychology

Level

Undergraduate

Overview

The Applied Developmental Psychology (ADP) minor is designed to (1) provide a coherent, challenging academic program focused on investigating, understanding, and supporting the development of young children and their families, (2) teach undergraduate students how to apply theories, research methods, and research findings to practical concerns, and (3) prepare students to join or receive further training in various child-related professions.

Entry to the Minor

Admission

The minor is open to all enrolled UCLA students (including Cognitive Science, Psychobiology, and Psychology majors) who have an overall grade-point average of 2.0 or better and have applied and been accepted into the program. Qualified students are admitted into one of two annual cohorts (one beginning in fall, the other in spring) to complete three consecutive terms of specialized coursework alongside a hands-on teaching internship (86 hours per term) at one of several UCLA child care centers. For more information about applying to the minor, contact the ADP academic coordinator by e-mail or see the department website. For questions about additional course requirements for the minor, contact a counselor in the Undergraduate Advising Office, 310-825-2730.

Minor Requirements

The Minor

Required Lower-Division Course (4 units)

Complete the following course:

PSYCH 10 - Introductory Psychology

Required Upper-Division Courses (24 units)

Complete six courses as follows:

REQUIRED COURSES

Complete the following two courses. Psychology 134A must be taken concurrently with course 134D, and 134B must be taken concurrently with course 134E.

PSYCH 134A - Applied Developmental Psychology: Infant/Toddler Care and Education

PSYCH 134B - Applied Developmental Psychology: Preschool/School-Age Care and Education

ELECTIVES

Complete four courses as follows:

Psychology 130 or 133B through 133I

Select one course from:

PSYCH 130 - Developmental Psychology

Psychology 133B through 133I

Psychology 133B through 133I

Additional Electives

The remaining three electives may come from the preceding group (Psychology 130 or 133B through 133I) or following list of courses. Only one of Psychology 199A or 199B may be applied and content must be approved by the Undergraduate Advising Office.

EDUC 132 - Autism: Mind, Brain, and Education

EDUC 148 - Early Childhood Development

PSYCH 127C - Clinical Psychological Science: Developmental Perspectives

PSYCH 129F - Clinical Psychology of Childhood and Adolescence

PSYCH 131 - Research in Developmental Psychology

PSYCH 132A - Learning Problems, Schooling Problems: Policy and Practice

PSYCH 132B - Mental Health in Schools: Policy and Practice

PSYCH 134F - Infant Care and Development

PSYCH 134G - Early Childhood Curriculum

PSYCH 134I - Child, Family, and Community

PSYCH 134J - Dynamic Perspectives on Parenting

PSYCH 134K - Effects of Early Adversity and Trauma

PSYCH 161 - Behavior and Brain Development

PSYCH 167 - Digital Media and Human Development

PSYCH 199A - Senior Project in Psychology

PSYCH 199B - Senior Project in Psychology

SOCIOL M174 - Sociology of Family

Internship Requirement/Fieldwork Component (8 units)

Students work as interns for three consecutive academic terms at one of several UCLA child care centers serving infants, toddlers, and/or preschool-age children. The internship provides hands-on experience working with young children and opportunities to closely observe children and teachers. Psychology 134D (must be taken concurrently with course 134A), and 134E (must be taken concurrently with course 134B).

PSYCH 134C - Advanced Applied Developmental Psychology

PSYCH 134D - Fieldwork in Applied Developmental Psychology

PSYCH 134E - Advanced Fieldwork in Applied Developmental Psychology

Policies

The Minor Policies

No more than two courses may be applied toward both this minor and a student's major.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course, except for the fieldwork component of the internship courses, must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Cognitive Science Minor

College / School
College of Letters and Science

Department
Psychology

Level

Undergraduate

Overview

The Cognitive Science minor is designed to introduce students to cognitive science topics as addressed in a number of different disciplines, such as biology, computer science, engineering, linguistics, mathematics, philosophy, and psychology, while allowing them to pursue a more in-depth study of cognitive science topics within specific areas of their own choice.

The minor consists of two parts. In the first part students complete background courses and satisfy a computer programming experience requirement. In the second part they select courses from three clusters of upper-division courses that have been organized to reflect different aspects of cognitive

science. Students take five courses from three clusters, with no more than three courses from any one cluster.

Entry to the Minor

Admission

The Undergraduate Council of the UCLA Academic Senate voted to suspend admissions to the Cognitive Science minor effective Fall Quarter 2021. Students currently in the minor are not affected by the admissions suspension.

The minor is open to all enrolled UCLA students, other than Cognitive Science majors, who have an overall grade-point average of 2.0 or better. After completing two background courses, students must make an appointment with an adviser in the Psychology Undergraduate Advising Office by e-mail, or by phone at 310-825-2730, to declare the minor. The three background courses must be completed by the end of the summer quarter of the third year.

Minor Requirements

The Minor

Complete eight courses (32 units) as follows:

Introductory Courses

Complete three courses as follows:

PSYCH 85 - Introduction to Cognitive Science

PSYCHOLOGY OR LINGUISTICS

Select one course from:

PSYCH 15 - Introductory Psychobiology

PSYCH 100B - Research Methods in Psychology

LING 1 - Introduction to Study of Language

LING 20 - Introduction to Linguistic Analysis

PROGRAMMING

Select one course from:

COMPTNG 10A - Introduction to Programming

PSYCH 20A - MATLAB Programming for Behavioral Sciences

Clusters

Complete five total courses from the following three clusters, with no more than three courses from any particular cluster:

BIOLOGICAL BASIS OF COGNITION CLUSTER

Only one course from Psychology M116A or 116B may be applied. Psychology M117C is multiple listed with Molecular, Cell, and Developmental Biology M175C, Neuroscience M101C, and Physiological Science M180C.

LING C135 - Neurolinguistics

MCD BIO M175C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

MSC IND M103 - Music, Mind, and Brain

NEUROSC M101C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

NEUROSC 102 - Introduction to Functional Anatomy of Central Nervous System

NEUROSC M145 - Neural Mechanisms Controlling Movement

NEUROSC C177 - Drugs of Abuse: Translational Neurobiology

NEUROSC 180 - Genetic, Molecular, and Genomic Approaches to Neural Development and Disease

NEUROSC 181 - Cellular and Molecular Mechanisms of Learning and Memory

NEUROSC 182 - Pharmacology of Drugs of Abuse

PHYSCI M180C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 110 - Fundamentals of Learning

PSYCH 112E - Decision Making and Brain

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH M116A - Behavioral Neuroscience Laboratory

PSYCH 116B - Human Neuropsychology Laboratory

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 119C - Cognitive Neuroscience

PSYCH 119F - Neural Basis of Behavior

PSYCH M119L - Human Neuropsychology

PSYCH M119N - Visual System

PSYCH 137A - Neuroscience of Social Perception

PSYCH 137G - Social Cognitive Neuroscience

PSYCH 161 - Behavior and Brain Development

PSYCH M166 - Neurobiology of Bias and Discrimination

HUMAN COGNITION CLUSTER

Select between the following courses or range:

Courses

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 136A - Introduction to Psychological Anthropology: Historical Development

PSYCH 120A - Cognitive Psychology

PSYCH 120B - Sensation and Perception

PSYCH 121 - Laboratory in Cognitive Psychology

PSYCH 133B - Cognitive Development

PSYCH 133C - Language Development

PSYCH 133E - Perceptual Development

PSYCH 186A - Cognitive Science Laboratory: Introduction to Theory and Simulation

PSYCH 186B - Cognitive Science Laboratory: Neural Networks

PSYCH 186C - Cognitive Science Laboratory: Psychophysical Theories and Methods

PSYCH 186D - Laboratory in Functional Neuroimaging

Psychology 124A through 124K

Psychology 124A through 124K

MIND AND LANGUAGE CLUSTER

ANTHRO M150 - Language in Culture

COMM 118 - Language and Music

COMM 119 - Voice and Its Perception

COMM 126 - Evolution of Interpersonal Communication

COMM M127 - Animal Communication

LING 120A - Phonology I

LING 120B - Syntax I

LING 120C - Semantics I

LING 130 - Language Development

LING 132 - Language Processing

LING C135 - Neurolinguistics

LING 185A - Computational Linguistics I

PHILOS 124 - Philosophy of Science: Historical

PHILOS 125 - Philosophy of Science: Contemporary

PHILOS 126 - Philosophy of Science: Social Sciences

PHILOS C127A - Philosophy of Language

PHILOS C127B - Philosophy of Language

PHILOS 129 - Philosophy of Psychology

PHILOS 170 - Philosophy of Mind

PHILOS 172 - Philosophy of Language and Communication

PSYCH 124A - Language as Cognitive Science

Policies

The Minor Policies

No more than two courses may be applied toward both this minor and a student's major.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Psychology MA, CPhil, PhD

College / School

College of Letters and Science

Department

Psychology

Degree Level

Graduate

Degree Objective

Master of Arts, Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Public Affairs Schoolwide Programs Overview

You're now viewing the 2024-25 Catalog

Meyer and Renee Luskin School of Public Affairs

3343 Public Affairs Building
Box 951656
Los Angeles, CA 90095-1656

Public Affairs Major
310-794-4080
E-mail contact

Michael C. Lens, PhD, *Chair*

The BA in Public Affairs offers an in-depth and engaged educational experience with a clear public service ethos, centered around a multidisciplinary foundation in the social sciences and an applied emphasis on knowledge and methods for improving society.

Students in the major study a range of substantive topics related to public policy, urban planning, and social welfare. During their final year at UCLA, students connect the dots between theory and action by completing an experiential learning capstone that consists of a three-quarter internship at a community or government organization, a three-quarter seminar, and culminating capstone project.

Public Affairs Schoolwide Programs Faculty Committee

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Michael C. Lens, PhD *(Public Policy, Urban Planning)*
Lené F. Levy-Storms, MPH, PhD *(Medicine, Social Welfare)*
José C. Loya, PhD *(Urban Planning)*
Mark A. Peterson, PhD *(Law, Political Science, Public Policy)*
Meredith Phillips, PhD *(Public Policy, Sociology)*
Ananya Roy, PhD *(Social Welfare, Urban Planning)*

Major

Public Affairs BA

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Public Affairs Schoolwide Programs

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Public Affairs major is a designated capstone major. Students pursuing the major are required to complete a three-quarter experiential learning opportunity. The experiential learning capstone consists of three parts: an internship, seminar, and capstone project.

Internships can range from internships in community-based organizations, social enterprise businesses, or regional governments to UCLA Global Internship Program, UCLA Quarter in Washington, or UC Center Sacramento (UCCS) programs.

These experiences are accompanied by a seminar that enables students to reflect on and share their engagement experience with classmates, apply what they have learned in their coursework to their community or public engagement, and analyze how the engagement experience conforms with or differs from what they learned in coursework.

This experiential learning opportunity culminates with a capstone project that integrates what students have learned at their internship site with theory and methods learned in their major coursework.

Learning Outcomes

1. Understanding of how different contexts, institutions, and/or environments influence individual and public life and can create, exacerbate, or reduce inequality and injustice
2. Demonstrated familiarity with economic, political, and/or civil society responses to social problems and public issues
3. Location of, use of, and critical thinking about quantitative and qualitative evidence for understanding societal problems and/or their solutions
4. Formulation of clear and convincing written and oral arguments for varied audiences
5. Effective communication with collaborators, policymakers, and/or the public
6. Application of theoretical knowledge, analytical methods, and communication skills to an experiential learning capstone

Entry to the Major

Admission

Students must apply to declare the Public Affairs major. Admission into the major is based on student academic performance and an application process. Consult with Luskin School of Public Affairs undergraduate advisers for any additional admission requirements.

Pre-Major

Students entering UCLA directly from high school can select the Public Affairs pre-major on the UCLA admission application, or complete a petition to enter the pre-major once in attendance at UCLA. Transfer students are automatically admitted to the major if they select Public Affairs on the UCLA admission application. See the Transfer Students section for more details.

The Public Affairs major includes six lower-division courses and ten upper-division courses. Students identified as Public Affairs pre-majors have the opportunity to formally apply to declare the Public Affairs major after completing four of the required lower-division courses and the school quantitative reasoning and Writing I requirements. Two of the four required lower-division courses must be Public Affairs 40 and 60, both of which serve as requisites for upper-division coursework.

Students may only apply to the Public Affairs major during winter quarter of their first or second year, once they have satisfied the following criteria: (1) Must be in good standing at the time of application. This means students cannot be on probation or subject to dismissal status when they apply. (2) Have completed, with a C or better, at least four of the six required lower-division public affairs courses (including courses taken winter quarter). Completed courses must include Public Affairs 40 and 60. The remaining two courses, if not yet taken, must be taken as soon as possible, and during the third year at the latest. All courses for both the pre-major and the major must be taken for a letter grade. (3) Have completed at least 45 letter-graded units (including AP and transfer units, if needed) by the end of winter quarter of the year they apply. (4) Have not exceeded 135 units of coursework (not including AP or other transfer units), by the end of winter quarter of the year they apply.

Transfer Students

Transfer applicants to the Public Affairs major with 90 or more units are considered for admission based on successful completion of the preparation for the major coursework. Students must take all preparation for the major courses for a letter grade, and receive a B grade or better in these courses to be competitive. Transfer credit is subject to department approval. Consult an undergraduate counselor before enrolling in any courses for the major.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete six courses as follows:

Required Courses

Complete the following three courses:

- PUB AFF 40 - Microeconomics for Public Affairs
- PUB AFF 60 - Using Data to Learn about Society: Introduction to Empirical Research and Statistics
- PUB AFF 80 - How Social Environments Shape Human Development

Additional Courses

Select three courses from:

- PUB AFF 10 - Social Problems and Social Change
- PUB AFF 20 - Power, Politics, and Policy Change
- PUB AFF 30 - Comparative Analysis of Wealth, Policy, and Power
- PUB AFF 50 - Foundations and Debates in Public Thought
- PUB AFF 70 - Information, Evidence, and Persuasion

The Major

Complete 10 courses as follows:

Theory

Select two courses from:

- PUB AFF M109 - Introduction to Cities and Planning
- PUB AFF 110 - Urban Revolution: Space and Society in Global Context
- PUB AFF 111 - Microeconomics: Market Failures and Inequality
- PUB AFF 112 - Social Movements

PUB AFF 113 - Policy Analysis: Approaches to Addressing Social Problems

PUB AFF 114 - People, Organizations, and Systems

Research Methods

Complete the following two courses:

PUB AFF 115 - Using Quantitative Methods to Understand Social Problems and their Potential Solutions

PUB AFF 116 - Using Qualitative Methods to Understand Social Problems and Their Potential Solutions

Capstone Sequence

Complete the following three-term capstone sequence:

PUB AFF 187AX - Experiential Learning Capstone

PUB AFF 187BX - Experiential Learning Capstone

PUB AFF 187CX - Experiential Learning Capstone

Upper-Division Electives

Complete three additional upper-division public affairs courses.

Honors Program

Students who wish to complete an original research thesis, driven by student-defined interests and independent work, may apply to the Public Affairs honors thesis program in the spring of junior year. Students who are admitted to program begin background research for their project over the summer and enroll in three contract research courses with their Luskin thesis advisor during their senior year. The sequence must be completed over three consecutive quarters, starting in the fall. Students must earn at least a B in Public Affairs 198A to continue with the sequence.

PUB AFF 198A - Honors Research in Public Affairs

PUB AFF 198B - Honors Research in Public Affairs

PUB AFF 198C - Honors Research in Public Affairs

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade. Preparation for the major courses must be completed with a C grade or better.

The Major Policies

Each course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the major.

Honors Program

Admission

To apply to the honors thesis program students must (1) have senior standing by the beginning of the fall quarter in which Public Affairs 198A is taken, (2) have an overall minimum grade-point average of 3.60 or better in the major at the end of winter quarter in the year prior to beginning the thesis, (3) have completed Public Affairs 115 and 116 by the end of spring quarter in the year prior to beginning the thesis with grades of A- or better, (4) have agreement from a faculty member to serve as thesis adviser.

To apply, students submit an application containing a short research proposal, information on their academic and research preparation, and confirmation that a Luskin faculty member has agreed to advise their honors thesis during the fall, winter, and spring of the subsequent year. The Public Affairs honors committee selects applicants based on the promise of their proposed research, research-related coursework, and research experience. The selection process is competitive.

Requirements

To qualify for graduation with departmental honors, students must complete a Public Affairs honors thesis deemed to meet the standards of honors or highest honors by the Public Affairs honors committee, and have a cumulative grade-point average of 3.60 or better in the major.

The Public Affairs honors committee, with input from thesis advisers, determine whether students' theses merit honors or highest honors.

Students may count one honors contract course toward their Public Affairs major elective requirement (with the understanding that no more than one contract course in total may count toward the Public Affairs elective requirement).

Public Affairs Overview

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Interdisciplinary Minor
Meyer and Renee Luskin School of Public Affairs

3343 Public Affairs Building
Box 951656
Los Angeles, CA 90095-1656

Public Affairs Minor
310-794-4080
E-mail contact

Michael C. Lens, PhD, *Chair*

The Public Affairs minor teaches undergraduate students the skills of policy analysis and exposes them to many of the local, state, national, and international issues facing today's policymakers and opinion leaders. Courses explore the public (governmental) and nonprofit sectors and provide a theoretical, conceptual, and practical foundation for students. Particular attention is given to the vexing issues facing urban areas and urban planners, social welfare and social workers, and public policies that affect individuals and groups of people in their public and private lives.

Public Affairs Faculty Committee

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Michael C. Lens, PhD *(Public Policy, Urban Planning)*
Lené F. Levy-Storms, MPH, PhD *(Medicine, Social Welfare)*
José C. Loya, PhD *(Urban Planning)*
Mark A. Peterson, PhD *(Law, Political Science, Public Policy)*
Meredith Phillips, PhD *(Public Policy, Sociology)*
Ananya Roy, PhD *(Social Welfare, Urban Planning)*

Minor

Public Affairs Minor

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Public Affairs

Level

Undergraduate

Overview

The Public Affairs minor teaches undergraduate students the skills of policy analysis and exposes them to many of the local, state, national, and international issues facing today's policymakers and opinion leaders. Courses explore the public (governmental) and nonprofit sectors and provide a theoretical, conceptual, and practical foundation for students. Particular attention is given to the vexing issues facing urban areas and urban planners, social welfare and social workers, and public policies that affect individuals and groups of people in their public and private lives.

Entry to the Minor

Admission

To enter the Public Affairs minor, students must have an overall grade-point average of 2.0 or better and complete Public Affairs 10 with a grade of B or better. For more information, contact the Undergraduate Advising Office by e-mail.

Minor Requirements

The Minor

Required Lower-Division Courses (10 units)

Complete two courses as follows:

PUBLIC AFFAIRS 10

Complete with a grade of B or better.

PUB AFF 10 - Social Problems and Social Change

PUBLIC AFFAIRS 40 OR 60

Select one course from:

PUB AFF 40 - Microeconomics for Public Affairs

PUB AFF 60 - Using Data to Learn about Society: Introduction to Empirical Research and Statistics

Required Upper-Division Courses (20 to 25 units)

Complete five upper division courses by selecting either Plan I or Plan II.

PLAN I

Theory and/or Methods

Select two theory and/or methods courses from:

- PUB AFF M109 - Introduction to Cities and Planning
- PUB AFF 110 - Urban Revolution: Space and Society in Global Context
- PUB AFF 111 - Microeconomics: Market Failures and Inequality
- PUB AFF 112 - Social Movements
- PUB AFF 113 - Policy Analysis: Approaches to Addressing Social Problems
- PUB AFF 114 - People, Organizations, and Systems
- PUB AFF 115 - Using Quantitative Methods to Understand Social Problems and their Potential Solutions
- PUB AFF 116 - Using Qualitative Methods to Understand Social Problems and Their Potential Solutions

Upper-Division Electives

Select three elective courses from upper-division, undergraduate courses (100-199) within the four academic units of the Luskin School of Public Affairs: public affairs, public policy, social welfare, and urban planning. Students must complete five upper-division courses. If three theory/methods courses are selected, two electives are required; if two theory/methods courses are selected, three electives are required.

PLAN II

Theory and/or Methods

Select three theory and/or methods courses from:

- PUB AFF M109 - Introduction to Cities and Planning
- PUB AFF 110 - Urban Revolution: Space and Society in Global Context
- PUB AFF 111 - Microeconomics: Market Failures and Inequality
- PUB AFF 112 - Social Movements
- PUB AFF 113 - Policy Analysis: Approaches to Addressing Social Problems
- PUB AFF 114 - People, Organizations, and Systems

PUB AFF 115 - Using Quantitative Methods to Understand Social Problems and their Potential Solutions

PUB AFF 116 - Using Qualitative Methods to Understand Social Problems and Their Potential Solutions

Upper-Division Electives

Select two elective courses from upper-division, undergraduate courses (100-199) within the four academic units of the Luskin School of Public Affairs: public affairs, public policy, social welfare, and urban planning. Students must complete five upper-division courses. If three theory/methods courses are selected, two electives are required; if two theory/methods courses are selected, three electives are required.

Policies

The Minor Policies

Lower-division courses may not be substituted. If a student has taken a non-public affairs course in statistics or microeconomics, it is recommended that the other public affairs course be taken to satisfy the second lower-division requirement.

By petition only, students may request to use one outside course (not from a Luskin School of Public Affairs unit) as an elective for the minor.

Fieldwork and internship courses, such as Social Welfare 130A, 130B, and Urban Planning M165, may not be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Public Health Schoolwide Programs Overview

You're now viewing the 2024-25 Catalog

Jonathan and Karin Fielding School of Public Health

16059 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Public Health
310-825-5524

The profession of public health is responsible for the protection, preservation, and promotion of the health of communities and populations. Although the health problems of today differ from those of the past and of the future, the professionals who make up the field need to be trained to respond to broad community problems utilizing the basic ideas of prevention of disease and promotion of well-being. This goal can be achieved only with an understanding of the health status of the population through data gathering and analysis, as well as knowledge of the complex relationships between disease process in the social and biological environment of the community.

The field of public health today needs practitioners from many disciplines. Candidates for graduate study may come from a wide variety of academic backgrounds, training, or experience, including both the natural and social sciences.

Major

Biostatistics MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Community Health Sciences MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Environmental Health Sciences MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Epidemiology MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Health Management MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Health Policy and Management MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Health Policy MPH

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Master of Public Health

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health Schoolwide Programs

Degree Level

Graduate

Degree Objective

Master of Public Health

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

- 0100 - Asian American Studies MA
- 0501 - Juris Doctor
- 0790 - Master of Public Policy
- 0864 - Master of Social Welfare

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Articulated Degree Programs

- 0558 - Doctor of Medicine
- 0498 - Latin American Studies MA

Articulated degree programs permit no credit overlap; students must complete degree requirements separately for each degree.

Public Health Overview

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Jonathan and Karin Fielding School of Public Health

A1-269 Center for Health Sciences
Box 951772
Los Angeles, CA 90095-1772

Public Health Undergraduate Programs
424-259-5521

Catherine A. Sugar, PhD, ***Chair***

The profession of public health is responsible for the protection, preservation, and promotion of the health of communities and populations. Although the health problems of today differ from those of the past and will differ from those of the future, the professionals who make up the field need to be trained to respond to broad community problems utilizing the basic ideas of prevention of disease and promotion of well-being. This goal can be achieved only with assessments of the health status of the population through data gathering and analysis, as well as knowledge of how health risk and protective factors—such cultural, social, environmental, and individual factors—influence rates of disease and death in societies and communities.

Undergraduate Study

Through the completion of major requirements, including a culminating capstone experience, students demonstrate mastery of foundational domains and competencies as established by the Council on Education in Public Health (CEPH). Students trained in public health practices and core concepts are well-equipped to support the development of programs, policies, practices, advocacy, research, and data analysis that can improve overall population health. Graduate-level study in public health and its related fields is highly encouraged for motivated students.

Public Health Faculty Committee

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Ronald S. Brookmeyer, PhD *(Biostatistics)*
Burton O. Cowgill, PhD *(Health Policy and Management)*
Marjan Javanbakht, PhD, MPH *(Epidemiology)*
Rachael M. Jones, PhD, MPH, CIH *(Environmental Health Sciences)*
Robert J. Kim-Farley, MD, MPH *(Community Health Sciences, Epidemiology)*
Miriam E. Marlier, PhD *(Environment and Sustainability, Environmental Health Sciences)*
Shira C. Shafir, PhD *(Community Health Sciences, Epidemiology, Health Policy and Management)*
Catherine A. Sugar, PhD *(Biostatistics, Psychiatry and Biobehavioral Sciences, Statistics and Data Science)*

Major

Public Health BA

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Public Health major is a designated capstone major. The goal of the capstone is to provide a culminating experience for students in which they complete an integrative, scholarly, or applied project that

reflects the knowledge and skills gained in the program to a public health problem or issue.

Learning Outcomes

1. Demonstrated knowledge of concepts and applications of basic statistics
2. Demonstrated knowledge of foundations of biological and life sciences
3. Demonstrated knowledge of history and philosophy of public health; and its core values, concepts, and functions across the globe and in society
4. Demonstrated knowledge of basic concepts, methods, and tools of public health data collection, use, and analysis; and why evidence-based approaches are an essential part of public health practice
5. Demonstrated knowledge of concepts of population health; and basic processes, approaches, and interventions that identify and address major health-related needs and concerns of populations
6. Demonstrated knowledge of underlying science of human health and disease, including opportunities for promoting and protecting health across the life course
7. Demonstrated knowledge of socioeconomic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities
8. Demonstrated knowledge of fundamental concepts and features of project implementation including planning, assessment and evaluation
9. Demonstrated knowledge of fundamental characteristics and organizational structures of the U.S. health system and differences between systems in other countries
10. Demonstrated knowledge of basic concepts of legal, ethical, economic, and regulatory dimensions of health care and public health policy; and the roles, influences, and responsibilities of different agencies and branches of government

11. Demonstrated knowledge of basic concepts of public health-specific communication, including technical and professional writing and use of mass media and electronic technology

12. Demonstrated proficiency in oral and written communication of public health information through a variety of media to diverse audiences

13. Demonstrated proficiency locating, using, evaluating, and synthesizing public health information

Entry to the Major

Admission

Admission to the Fielding School of Public Health is by application and competitive—using courses, grades, grade-point averages, and essays as minimum standards for consideration. Only a limited number of students are admitted each year. Applicants are not automatically accepted into the major.

First-year applicants must apply for major standing at the end of winter quarter of their sophomore year. Late applications are not accepted. While recommended, pre-major standing is not required to apply for the major. A copy of the major application is available on the program website.

Transfer students admitted to UCLA under another major are not eligible to apply for the Public Health BA. Transfer students interested in public health are encouraged to pursue the minor instead.

Pre-Major

Incoming first-year students may be admitted as pre-majors. All other students admitted as first years must first meet with an academic advisor in the Undergraduate Student Services Office, A1-269 Center for Health Sciences, before requesting pre-major standing.

Transfer Students

Transfer applicants to the Public Health BA major with 90 or more units must complete the following preparatory courses prior to admission to UCLA: one general biology course with laboratory, one general

chemistry course, and one introductory statistics course. Public Health 50A and 50B must be taken at UCLA upon admission to the University.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Introduction to Public Health

Complete the following two courses:

PUB HLT 50A - Introduction to Public Health I

PUB HLT 50B - Introduction to Public Health II

Principles of Scientific Knowledge

Complete three courses as follows:

CHEMISTRY AND BIOCHEMISTRY

Select one course from the following. A score of 4 or 5 on the Advanced Placement Chemistry examination may satisfy requirement.

CHEM 3 - Material World

CHEM 14A - General Chemistry for Life Scientists I

CHEM 17 - Chemical Principles

LIFE SCIENCES

Select one course from the following. A score of 4 or 5 on the Advanced Placement Biology examination may satisfy requirement.

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 15 - Life: Concepts and Issues

STATISTICS

Select one course from:

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Health and Society

Complete one course from an approved list available on the school website.

Cultural Competency

Complete one course from an approved list available on the school website.

Communication Fundamentals

Complete the following course or any approved Writing II course:

COMM 1 - Principles of Oral Communication

The Major

Foundations of Public Health Knowledge and Practice

Complete the following five courses:

BIOSTAT 120 - Biostatistics in Public Health

COM HLT 120 - Promoting Healthy Communities

ENV HLT 120 - Environment and Health

EPIDEM 120 - Epidemiology in Public Health

HLT POL 120 - Health Care Systems: Structures, Functions, and Policies

Public Health Electives

Complete three upper-division courses (minimum of 12 units) selected from the school's undergraduate course offerings.

Community Engagement

Complete the following course or an approved course:

PUB HLT 195CE - Community and Corporate Internship in Public Health

Capstone Experience

Complete the following two courses:

PUB HLT 185A - Public Health Capstone I

PUB HLT 185B - Public Health Capstone II

Honors Program

To receive School Honors, students must complete all upper-division courses in the major with an overall grade-point average of 3.5 or better. For highest School Honors, students must also complete a senior thesis. The senior thesis may be satisfied by completing either Public Health 198 or a departmental 198 course. The 198 course may not be counted as an elective course toward the major and must be supervised by an Academic Senate faculty member from the school. Highest honors is awarded if the faculty sponsor deems the work superior.

PUB HLT 198 - Honors Research in Public Health

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

No more than 4 units from courses numbered 195 to 199 may be applied toward the elective requirement.

Major

Public Health BS

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Public Health major is a designated capstone major. The goal of the capstone is to provide a culminating experience for students in which they complete an integrative, scholarly, or applied project that

reflects the knowledge and skills gained in the program to a public health problem or issue.

Learning Outcomes

1. Demonstrated knowledge of concepts and applications of basic statistics
2. Demonstrated knowledge of foundations of biological and life sciences
3. Demonstrated knowledge of history and philosophy of public health; and its core values, concepts, and functions across the globe and in society
4. Demonstrated knowledge of basic concepts, methods, and tools of public health data collection, use, and analysis; and why evidence-based approaches are an essential part of public health practice
5. Demonstrated knowledge of concepts of population health; and basic processes, approaches, and interventions that identify and address major health-related needs and concerns of populations
6. Demonstrated knowledge of underlying science of human health and disease, including opportunities for promoting and protecting health across the life course
7. Demonstrated knowledge of socioeconomic, behavioral, biological, environmental, and other factors that impact human health and contribute to health disparities
8. Demonstrated knowledge of fundamental concepts and features of project implementation including planning, assessment and evaluation
9. Demonstrated knowledge of fundamental characteristics and organizational structures of the U.S. health system and differences between systems in other countries
10. Demonstrated knowledge of basic concepts of legal, ethical, economic, and regulatory dimensions of health care and public health policy; and the roles, influences, and responsibilities of different agencies and branches of government

11. Demonstrated knowledge of basic concepts of public health-specific communication, including technical and professional writing and use of mass media and electronic technology

12. Demonstrated proficiency in oral and written communication of public health information through a variety of media to diverse audiences

13. Demonstrated proficiency locating, using, evaluating, and synthesizing public health information

Entry to the Major

Admission

Admission to the Fielding School of Public Health is by application and competitive—using courses, grades, grade-point averages, and essays as minimum standards for consideration. Only a limited number of students are admitted each year. Applicants are not automatically accepted into the major.

First-year applicants must apply for major standing at the end of winter quarter of their sophomore year. Late applications are not accepted. While recommended, pre-major standing is not required to apply for the major. A copy of the major application is available on the program website.

Transfer students admitted to UCLA under another major are not eligible to apply for the Public Health BS. Transfer students interested in public health are encouraged to pursue the minor instead.

Pre-Major

Incoming first-year students may be admitted as pre-majors. All other students admitted as first years must first meet with an academic advisor in the Undergraduate Student Services Office, A1-269 Center for Health Sciences, before requesting pre-major standing.

Transfer Students

Transfer applicants to the Public Health BS major with 90 or more units must complete the following preparatory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C; one year of calculus; one year of general chemistry

with laboratory for majors; and one semester of organic chemistry with laboratory. A second semester of organic chemistry and one year of calculus-based physics are recommended. Public Health 50A and 50B must be taken at UCLA upon admission to the University.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Introduction to Public Health

Complete the following two courses:

PUB HLT 50A - Introduction to Public Health I

PUB HLT 50B - Introduction to Public Health II

Advanced Foundations of Scientific Knowledge

CHEMISTRY AND BIOCHEMISTRY

Select one series from:

Chemistry 14 Series

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEM 14C - Structure of Organic Molecules

Chemistry 20 and 30 Series

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

LIFE SCIENCES

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

MATHEMATICS

Select one series from:

Life Sciences 30 Series

Students may select Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Mathematics 3 Series

Students may select Statistics 10 or 13.

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

PHYSICS

Select one series from:

Physics 1 Series

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

Physics 5 Series

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

Health and Society

Complete one course from an approved list available on the school website.

Cultural Competency

Complete one course from an approved list available on the school website.

Communication Fundamentals

Complete the following course or any approved Writing II course:

COMM 1 - Principles of Oral Communication

The Major

Foundations of Public Health Knowledge and Practice

Complete the following five courses:

BIOSTAT 120 - Biostatistics in Public Health

COM HLT 120 - Promoting Healthy Communities

ENV HLT 120 - Environment and Health

EPIDEM 120 - Epidemiology in Public Health

HLT POL 120 - Health Care Systems: Structures, Functions, and Policies

Public Health Electives

Complete three upper-division courses (minimum of 12 units) selected from the school's undergraduate course offerings.

Community Engagement

Complete the following course or an approved course:

PUB HLT 195CE - Community and Corporate Internship in Public Health

Capstone Experience

Complete the following two courses:

PUB HLT 185A - Public Health Capstone I

PUB HLT 185B - Public Health Capstone II

Honors Program

To receive School Honors, students must complete all upper-division courses in the major with an overall grade-point average of 3.5 or better. For highest School Honors, students must also complete a senior thesis. The senior thesis may be satisfied by completing either Public Health 198 or a departmental 198 course. The 198 course may not be counted as an elective course toward the major and must be supervised by an Academic Senate faculty member from the school. Highest honors is awarded if the faculty sponsor deems the work superior.

PUB HLT 198 - Honors Research in Public Health

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade.

The Major Policies

No more than 4 units from courses numbered 195 to 199 may be applied toward the elective requirement.

Minor

Public Health Minor

College / School

Jonathan and Karin Fielding School of Public Health

Department

Public Health

Level

Undergraduate

Overview

The Public Health minor is designed for students who wish to learn more about core public health functions, including the assessment and monitoring of the health of communities and populations at risk to identify health problems and priorities, the formulation of public policies designed to solve identified local and national health problems and priorities, the assurance that all populations have access to appropriate and cost-effective care, and the evaluation of the effectiveness of that care.

Entry to the Minor

Admission

To enter the Public Health minor, students must be in good academic standing with an overall grade-point average of 2.0 or better, have completed 90 or more units, and apply to the Fielding School of Public Health Student Affairs Office, A1-269 Center for Health Sciences. Acceptance to the minor is competitive and based on grade-point average and an application essay.

Minor Requirements

The Minor

Complete seven upper-division courses (28 units) as follows:

Required Lower-Division Courses (10 units)

Complete two courses as follows:

INTRODUCTION TO PUBLIC HEALTH

Complete the following two courses:

PUB HLT 50A - Introduction to Public Health I

PUB HLT 50B - Introduction to Public Health II

Required Upper-Division Courses (20 units)

Complete five courses as follows:

FOUNDATIONS OF PUBLIC HEALTH KNOWLEDGE

Select three courses from:

BIOSTAT 100 - Introduction to Biostatistics

COM HLT 100 - Introduction to Community Health Sciences

ENV HLT 100 - Introduction to Environmental Health

EPIDEM 100 - Principles of Epidemiology

HLT POL 100 - Health Care Systems and Health Policy

PUBLIC HEALTH ELECTIVES

Complete two upper-division courses (minimum of 8 units) selected from the school's undergraduate course offerings.

Policies

The Minor Policies

No more than 4 units from courses numbered 195 to 199 may be applied. Students may complete all five department 100-level courses for the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have a minimum grade of C (2.0) in each and an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Public Policy Overview

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Meyer and Renee Luskin School of Public Affairs

3250 Public Affairs Building
Box 951656
Los Angeles, CA 90095-1656

Public Policy
310-825-7667
Department e-mail

Robert W. Fairlie, PhD, *Chair*

The Department of Public Policy is an interdisciplinary unit composed of faculty members from various disciplines, some of whom hold joint appointments in other UCLA departments. Its goal is to foster an understanding of the theory and practice of public policy in the many fields in which it applies. Examples include education, health care, labor, policing and crime, economic development, immigration, and the environment. The department offers the Master of Public Policy (MPP) degree and participates in the major and minor in Public Affairs.

Graduate Study

The MPP degree program is designed to train professionals in both public- and private-sector policy analysis and implementation, and offers coursework in such areas as microeconomics, statistics, political processes, and public and nonprofit management.

Concurrent degree programs allow students to combine study for an MPP with work toward a JD in the School of Law, an MBA in the Anderson Graduate School of Management, an MD in the Geffen School of

Medicine, an MPH in the Fielding School of Public Health, or an MSW in the Department of Social Welfare.

Public Policy Faculty Roster

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Professors

Alan I. Barreca, PhD
Arturo Vargas Bustamante, PhD
Robert W. Fairlie, PhD
Martin I. Gilens, PhD
Neal Halfon, MD, MPH
S. Jody Heymann, MD, PhD
Jill R. Horwitz, JD, PhD
Michael C. Lens, PhD
Susanne Lohmann, PhD
Paavo H. Monkkonen, PhD
Megan Mullin, PhD *(Meyer and Renee Luskin Endowed Professor of Innovation and Sustainability)*
Jack S. Needleman, PhD
Aaron L. Panofsky, PhD
Edward A. Parson, PhD
Mark A. Peterson, PhD
Thomas H. Rice, PhD
Gary M. Segura, PhD
Michael A. Stoll, PhD
Brian D. Taylor, PhD
Sherod Thaxton, JD, PhD
John D. Villaseñor, PhD
Wesley E. Yin, PhD

Professors Emeriti

Albert Carnesale, PhD
Franklin D. Gilliam, Jr., PhD
Arleen Leibowitz, PhD
Barbara J. Nelson, PhD
Fernando M. Torres-Gil, PhD
Lynne G. Zucker, PhD

Associate Professors

Randall K.Q. Akee, PhD
Natalie D. Bau, PhD
Darin E. Christensen, PhD
Meredith Phillips, PhD
Zachary C. Steinert-Threlkeld, PhD
J. Christopher Zepeda-Millán, PhD

Assistant Professors

Tierra S. Bills, PhD
Jasmine D. Hill, PhD
Emily K. Weisburst, PhD

Senior Lecturer SOE

Kenya L. Covington, MCP, PhD

Lecturer

Michelle Dennis, MPA

Adjunct Professor

Helmut K. Anheier, PhD

Adjunct Assistant Professors

Joshua Schank, PhD

Steven E. Zipperstein, JD

Major

Master of Public Policy

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Public Policy

Degree Level

Graduate

Degree Objective

Master of Public Policy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

- 0558 - Doctor of Medicine
- 0501 - Juris Doctor
- 008J - Master of Business Administration
- 0789 - Master of Public Health
- 0864 - Master of Social Welfare

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Radiation Oncology Overview

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David Geffen School of Medicine

B265 UCLA Morton Medical Building
Box 956951
Los Angeles, CA 90095-6951

Radiation Oncology
310-825-9775

Michael L. Steinberg, MD, FASTRO, FACR, ***Chair***
Minsong Cao, PhD, DABR, FAAPM, ***Vice Chair, Academic Mission Development***
James M. Lamb, PhD, ***Vice Chair, Division of Medical Physics***
Nicholas G. Nickols MD, PhD, ***Vice Chair, VA Services***
Ann C. Raldow, MD, MPH, ***Vice Chair, Education***
Joanne B. Weidhaas, MD, PhD, MS, ***Vice Chair, Division of Molecular and Cellular Oncology***

The Department of Radiation Oncology includes clinical divisions at the UCLA Medical Plaza and Reagan UCLA Medical Center, UCLA Santa Monica Medical Center, and West Los Angeles VA Medical Center and includes the Division of Brachytherapy, Division of Molecular and Cellular Oncology, and Medical Radiation Physics. Laboratory, clinical, and translational research are facilitated at all locations.

The primary clinical mission of the department is the management of patients who have cancer. The purpose of using radiation therapy, rather than or in addition to surgery, is to preserve function and/or cosmesis while eliminating the cancer. Other activities include total body irradiation before bone marrow transplantation, stereotactic body radiotherapy, brachytherapy, and stereotactic radiosurgery for A-V malformations, meningiomas, and malignant intracranial lesions. Research interests include clinical trials, radiation biology, radiation modifiers, molecular biology, immunology, and applied physics. Knowledge of

the disease in question, the comparative efficacy of radiation therapy and other methods, radiation biology and pathophysiology, and the physical characteristics of various radiations is essential.

The educational programs serve medical, dental, basic science (biology and physics), nursing, and radiation therapy students, and community and postgraduate physicians; there also is a four-year program for residents who are qualifying for certification in radiation oncology by the American Board of Radiology.

For more details on the Department of Radiation Oncology and courses offered, see the **department website**.

Radiation Oncology **faculty information** is available from the department.

Radiological Sciences Overview

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David Geffen School of Medicine

1638 Ronald Reagan Medical Center
Box 957351
Los Angeles, CA 90095-7351

Radiological Sciences
Residency Program, 310-267-8797
Residency e-mail
Fellowship Program, 310-267-8796
Fellowship e-mail

Dieter R. Enzmann, MD, *Chair*
Robert D. Suh, MD, *Vice Chair, Education*

The Department of Radiology is committed to offering its trainees high-level instruction, unique experience, and comprehensive evaluation necessary to succeed in all systems practicing diagnostic radiology, combining outstanding patient care and excellence in clinical imaging, research, and educational programs with state-of-the-art technology.

The Diagnostic Radiology program currently has 48 resident positions and is conducted at five major teaching hospitals within and associated with the Geffen School of Medicine. Rotating through all five facilities, the resident gains a broad exposure to all types of disorders, both the commonplace and unusual. The 48-month program leads to eligibility for examination and certification by the American Board of Radiology.

The Interventional Radiology Integrated residency program offers quality medical educational experience in image-based diagnosis, image-guided procedures, and peri- and post-procedural patient care. The five-year residency curriculum concentrates on diagnostic radiology during the first three years and

interventional radiology during the last two years, leading to dual certification in interventional and diagnostic radiology.

The programs aim to guide residents in attaining mastery of the clinical skills needed to become highly accomplished radiologists. Residents are provided with outstanding and comprehensive education and educational experiences with the purpose of developing advocates for the practice of radiology, who will serve as critical interdisciplinary team members by providing ethical, professional, and valuable medical expertise to patients and colleagues.

For more details on the Department of Radiological Sciences, see the **department website**.

Radiological Sciences **faculty information** is available from the department.

Study of Religion Overview

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Interdepartmental Program
College of Letters and Science

378 Kaplan Hall
Box 951511
Los Angeles, CA 90095-1511

Study of Religion
310-206-8799

Carol A. Bakhos, PhD, ***Chair***

Exploring varieties of religious traditions with an eye toward the historical and lived experience, the Study of Religion Interdepartmental Program at UCLA is committed to teaching about religious diversity in order to draw attention both to differences that distinguish religious traditions from one another and commonalities that provide deeper appreciation for shared ethical norms and values. The undergraduate major in Study of Religion equips students to understand and compare creatively the worldwide varieties of core convictions, stories, texts, rituals, and practices known collectively as religion. Students complete courses in a wide range of departments in which religious phenomena are analyzed, including anthropology, art history, Asian languages and cultures, classics, English, history, Near Eastern languages and cultures, philosophy, political science, and world arts and cultures/dance. Students can anticipate gaining versatile intellectual tools for approaching, analyzing, and appreciating the deep roots, human motivations, and history of the formation of religious traditions in their respective cultural contexts. Within this interdepartmental program, students may focus in depth on one or more specific religions. Students may wish to select this major in combination with a second major field, a minor, or related language study.

Study of Religion Faculty

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Faculty Committee

Carol A. Bakhos, PhD *(Near Eastern Languages and Cultures)*
Stephanie Balkwill, PhD *(Asian Languages and Cultures)*
John P. Carriero, PhD *(Philosophy)*
Jeffrey J. Guhin, PhD *(Sociology)*
Stephanie W. Jamison, PhD *(Asian Languages and Cultures)*
Eleanor K. Kaufman, PhD *(Comparative Literature, English, European Languages and Transcultural Studies)*
Terence D. Keel, PhD *(African American Studies, Society and Genetics)*
Gina V. Konstantopoulous, PhD *(Near Eastern Languages and Cultures)*
Ronald W. Vroon, PhD *(Slavic, East European, and Eurasian Languages and Cultures)*
Luke B. Yarbrough, PhD *(Near Eastern Languages and Cultures)*

Faculty Roster

Professor

Carol A. Bakhos, PhD

Lecturers

Ryan T. Gillespie, PhD
Anahita G. Hoose, PhD
Simon J. Joseph, PhD

Eric E. Martin, PhD
Karen M. Muldoon-Hughes, PhD

Major

Study of Religion BA

College / School
College of Letters and Science

Department
Religion, Study of

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Study of Religion major is a designated capstone major. Students must complete an advanced seminar that provides unique opportunity to work closely with a faculty member on a focused topic of research. Through their capstone work students are expected to demonstrate their ability to plan and carry

out a major project, apply subject matter and research methods knowledge to produce a paper or other research project, and organize information into a coherent and persuasive form for oral presentation to their peers.

Learning Outcomes

1. Demonstrated ability to plan a major project that concludes with writing a cogent and convincing document
2. Application of knowledge of a wide-ranging bibliography and of methods of research to thoroughly prepare for seriously engaging an interviewee or for writing the prospectus describing the major project
3. Development of skills essential to taking oral histories or doing field research in Los Angeles' multicultural population
4. Ability to organize research data into a coherent and persuasive form for oral presentation to peers
5. Demonstrated empathy as a critic of a wide array of religious traditions, institutions, and practices

Entry to the Major

Transfer Students

Transfer applicants to the Study of Religion major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one history of religions course, one philosophy of religion course, and two courses from sociocultural anthropology, Buddhism, history of Western civilization, Asian civilizations, civilizations of Africa, and history of China.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Three courses as follows:

Study of Religion

Select one course from:

RELIGN M4 - Introduction to History of Religions

RELIGN 11 - Religion in Los Angeles

Electives

Select two courses from:

AN N EA 10W - Jerusalem: Holy City

ANTHRO 3 - Culture and Society

ASIAN M60 - Introduction to Buddhism

HIST 1A - Introduction to Western Civilization: Ancient Civilizations, Prehistory to circa AD 843

HIST 1B - Introduction to Western Civilization: Circa 843 to circa 1715

HIST 1C - Introduction to Western Civilization: Circa 1715 to Present

HIST 9A - Introduction to Asian Civilizations: History of India

HIST 9C - Introduction to Asian Civilizations: History of Japan

HIST 9D - Introduction to Asian Civilizations: History of Middle East

HIST 9E - Introduction to Asian Civilizations: Southeast Asian Crossroads

HIST M10A - History of Africa to 1800

HIST 10B - History of Africa, 1800 to Present

HIST 11A - History of China: To 1000

HIST 11B - History of China, circa 1000 to 2000

PHILOS 2 - Introduction to Philosophy of Religion

PHILOS 21 - Skepticism and Rationality

RELIGN M10 - Introduction to Judaism

RELIGN M20 - Introduction to Islam

RELIGN M40 - Christianities East and West

RELIGN M50 - Origins of Judaism, Christianity, and Islam

RELIGN 55 - Spirit of Medicine

RELIGN M60A - Introduction to Buddhism

RELIGN M60B - Introduction to Chinese Religions

RELIGN M60C - Introduction to Korean Religions

RELIGN M60D - Religion in Classical India: Introduction

RELIGN M60E - Religious Traditions in Southeast Asia

RELIGN M60W - Introduction to Buddhism

RELIGN M61 - Introduction to Zen Buddhism

RELIGN M61W - Introduction to Chinese Religions

RELIGN M70 - Demons, Fear, and Uncanny in Ancient World

The Major

Complete 12 courses as follows. Student are encouraged to select courses that focus on a specific religious tradition or traditions, or on a set of thematic issues important to the study of religion.

History of Study of Religion

Complete the following course:

RELIGN 101 - History of Study of Religion

Theory and Methods

Select one course from:

ANTHRO 130 - Study of Culture

ANTHRO 142P - Anthropology of Religion

RELIGN 110 - Religion and Violence

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

RELIGN 150 - Women, Gender, and Religion

RELIGN 160 - Religion, Film, and Media

RELIGN 177 - Variable Topics in Religion

RELIGN 180 - Religion and Modern Critical Thought

RELIGN M186C - Jesus of Nazareth in Historical Research

Religious Ideas, Practices, and Institutions in Context

Select two courses from:

AN N EA 162 - Archaeology, Identity, and Bible

ANTHRO 114P - Ancient Civilizations of Mesoamerica

ANTHRO 162 - Ethnography of South America

ANTHRO 168P - Cultures of Pacific

ARABIC 120 - Islamic Texts

ART HIS CM115A - Late Antique Art and Architecture

ART HIS C120 - Selected Topics in Islamic Art

ART HIS 150A - Japanese Art

ART HIS 152A - Arts of Korea

ART HIS 154A - Early Art of India

ART HIS 154B - Later Art of India

ART HIS 156 - Arts of Southeast Asia

ASIAN 151 - Buddhist Literature in Translation

ASIAN 162 - Buddhist Meditation Traditions

CHIN 165 - Introduction to Chinese Buddhist Texts

CHIN C175 - Introduction to Chinese Thought

CLASSIC 166A - Greek Religion

CLASSIC 166B - Roman Religion

CLASSIC M167 - Magic in Ancient World

ENGL 111A - Hebrew Bible in Translation

ENGL 111B - Christian Biblical Texts in Translation

ENGL 111C - Topics in Biblical Literature

ENGL 145 - Medieval Literatures of Devotion and Dissent

ENGL 156 - Devotion and Dissent

GREEK 130 - Readings in New Testament

HEBREW 120 - Biblical Texts

HEBREW 130 - Rabbinic Texts

HIST 108A - History of North Africa from Islamic Conquest

HIST 121B - History of Modern Europe: Baroque Culture and Absolutist Politics, 1600 to 1715

HIST 174A - Early History of India

HIST M182C - Modern Jewish History

HIST 185B - Religions of South and Southeast Asia

IRANIAN 170 - Religion in Ancient Iran

JAPAN 161 - Religious Life in Modern Japan

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

KOREA 165 - Introduction to Korean Buddhist Texts

KOREA 172 - Topics in Korean Christianity

PHILOS 100B - Medieval and Early Modern Philosophy

PHILOS 104 - Topics in Islamic Philosophy

PHILOS 107 - Topics in Medieval Philosophy

PHILOS 155A - Medical Ethics

RELIGN M105A - Bahá'í Faith in Iran: Historical and Sociological Survey

RELIGN M105B - Bahá'í Faith in Iran: Survey of Bahá'í Scriptures and Thought

RELIGN M105C - Bahá'í Faith in Iran: 20th-Century Iran and the Bahá'ís

RELIGN M106A - Premodern Islam

RELIGN M107 - Islam in West

RELIGN M108 - Qur'an

RELIGN 110 - Religion and Violence

RELIGN 113 - In Search of Meaning: From Holy Texts to Hollywood

RELIGN M115 - Islam and Other Religions

RELIGN M118B - Kierkegaard and Philosophy of Religion

RELIGN M132 - Ancient Egyptian Religion

RELIGN M133 - Bible and Qur'an

RELIGN M135 - Religion in Ancient Israel

RELIGN 140 - Undergraduate Seminar: Study of Religion

RELIGN M142C - History of Religion in U.S.

RELIGN M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

RELIGN 156 - Religion and Liberation

RELIGN 158 - The Bible in Justice Movements

RELIGN M161A - Chinese Buddhism

RELIGN M161B - Japanese Buddhism

RELIGN M161C - Korean Buddhism

RELIGN M161D - Buddhism in India

RELIGN M172 - Bible and Its Interpreters

RELIGN M173C - Shinto, Buddhism, and Japanese Folk Religion

RELIGN M174D - Indo-Islamic Interactions, 700 to 1750

RELIGN M174E - Indo-Islamic Interactions, 1750 to 1950

RELIGN M175 - Topics in Philosophy of Religion

RELIGN M178 - Variable Topics

RELIGN M179 - Topics in Moral Philosophy: Evil

RELIGN M182A - Ancient Jewish History

RELIGN M182B - Medieval Jewish History

RELIGN M184A - Jewish Civilization: Encounter with Great World Cultures

RELIGN M185D - Religions of Ancient Near East

RELIGN M186A - History of Early Christians

RELIGN M186B - Religious Environment of Early Christians

RELIGN M186C - Jesus of Nazareth in Historical Research

WL ARTS C142 - Myth and Ritual

WL ARTS C151 - Ethnography of Religions

Electives

Select seven additional courses from the theory and methods and religious ideas, practices, and institutions in contexts lists.

Capstone Seminar

Complete the following course:

RELIGN 191 - Variable Topics Research Seminars: Study of Religion

Honors Program

Students admitted to honors should take three Study of Religion 198 courses under the guidance of the sponsoring professor. The first 198 course should be taken in spring quarter of the junior year, the second during the following fall quarter, and the third during winter quarter of the senior year. The three

courses count as part of the regular requirement of 12 upper-division courses. The program culminates in an honors thesis.

RELIGN 198 - Honors Research in Religion

Policies

The Major Policies

During their senior year students must complete the capstone seminar, Study of Religion 191.

A course may be taken twice, on different topics, for credit toward the major where repetition is allowed by the department offering the course. A maximum of two upper-division courses in an ancient language relevant to the course of study may be applied toward the major requirements with consent of the adviser.

A maximum of 12 units of special studies courses (197, 198, 199) approved by the adviser may be applied toward the major. Each course for preparation for the major and the major must be taken for a letter grade.

Honors Program

The honors program provides exceptional students with an opportunity to do independent research under the tutorial guidance of a faculty member.

To qualify for admission students should have a minimum grade-point average of 3.4. The 198 courses designed for the program and the thesis topic should be approved by the committee in charge of the major.

For more information, contact the student affairs officer or the faculty adviser at the program address.

Minor

Study of Religion Minor

College / School
College of Letters and Science

Department
Religion, Study of

Level
Undergraduate

Entry to the Minor

Admission

To enter the Study of Religion minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (4 to 10 units)

Select one option from:

OPTION 1

Select one course from:

- RELIGN M4 - Introduction to History of Religions
- RELIGN 11 - Religion in Los Angeles
- RELIGN M20 - Introduction to Islam
- RELIGN M40 - Christianities East and West
- RELIGN 55 - Spirit of Medicine
- RELIGN M70 - Demons, Fear, and Uncanny in Ancient World

OPTION 2

Complete two courses as follows:

- RELIGN M50 - Origins of Judaism, Christianity, and Islam

Additional Course

Select one course from:

- RELIGN M60A - Introduction to Buddhism
- RELIGN M60C - Introduction to Korean Religions
- RELIGN M60D - Religion in Classical India: Introduction
- RELIGN M60W - Introduction to Buddhism
- RELIGN M61W - Introduction to Chinese Religions

Required Upper-Division Courses (24 to 29 units)

Student are encouraged to select courses that focus on a specific religious tradition or traditions, or on a set of thematic issues important to the study of religion.

HISTORY OF STUDY OF RELIGION

Complete the following course:

RELIGN 101 - History of Study of Religion

ELECTIVES

Select five courses from the following groups:

Theory and Methods

ANTHRO 130 - Study of Culture

ANTHRO 142P - Anthropology of Religion

RELIGN 110 - Religion and Violence

RELIGN 120 - Judaism, Christianity, and Islam: Comparative Approach

RELIGN 150 - Women, Gender, and Religion

RELIGN 160 - Religion, Film, and Media

RELIGN 177 - Variable Topics in Religion

RELIGN 180 - Religion and Modern Critical Thought

RELIGN M186C - Jesus of Nazareth in Historical Research

Religious Ideas, Practices, and Institutions in Context

AN N EA 162 - Archaeology, Identity, and Bible

ANTHRO 114P - Ancient Civilizations of Mesoamerica

ANTHRO 162 - Ethnography of South America

ANTHRO 168P - Cultures of Pacific

ARABIC 120 - Islamic Texts

ART HIS CM115A - Late Antique Art and Architecture

ART HIS C120 - Selected Topics in Islamic Art

ART HIS 150A - Japanese Art

ART HIS 152A - Arts of Korea

ART HIS 154A - Early Art of India

ART HIS 154B - Later Art of India

ART HIS 156 - Arts of Southeast Asia

ASIAN 151 - Buddhist Literature in Translation

ASIAN 161 - Topics in Asian Religions

CHIN 165 - Introduction to Chinese Buddhist Texts

CHIN C175 - Introduction to Chinese Thought

CLASSIC 166A - Greek Religion

CLASSIC 166B - Roman Religion

CLASSIC M167 - Magic in Ancient World

ENGL 111A - Hebrew Bible in Translation

ENGL 111B - Christian Biblical Texts in Translation

ENGL 111C - Topics in Biblical Literature

ENGL 145 - Medieval Literatures of Devotion and Dissent

ENGL 156 - Devotion and Dissent

GREEK 130 - Readings in New Testament

HEBREW 120 - Biblical Texts

HEBREW 130 - Rabbinic Texts

HIST 108A - History of North Africa from Islamic Conquest

HIST 121B - History of Modern Europe: Baroque Culture and Absolutist Politics, 1600 to 1715

HIST 174A - Early History of India

HIST M182C - Modern Jewish History

HIST 185B - Religions of South and Southeast Asia

IRANIAN 170 - Religion in Ancient Iran

JAPAN 161 - Religious Life in Modern Japan

JEWISH M150A - Hebrew Literature in English: Literary Traditions of Ancient Israel—Bible and Apocrypha

KOREA 165 - Introduction to Korean Buddhist Texts

KOREA 172 - Topics in Korean Christianity

PHILOS 100B - Medieval and Early Modern Philosophy

PHILOS 104 - Topics in Islamic Philosophy

PHILOS 107 - Topics in Medieval Philosophy

PHILOS 155A - Medical Ethics

RELIGN M105A - Bahá'í Faith in Iran: Historical and Sociological Survey

RELIGN M105B - Bahá'í Faith in Iran: Survey of Bahá'í Scriptures and Thought

RELIGN M105C - Bahá'í Faith in Iran: 20th-Century Iran and the Bahá'ís

RELIGN M106A - Premodern Islam

RELIGN M107 - Islam in West

RELIGN M108 - Qur'an

RELIGN 110 - Religion and Violence

RELIGN 113 - In Search of Meaning: From Holy Texts to Hollywood

RELIGN M115 - Islam and Other Religions

RELIGN M118B - Kierkegaard and Philosophy of Religion

RELIGN M132 - Ancient Egyptian Religion

RELIGN M133 - Bible and Qur'an

RELIGN M135 - Religion in Ancient Israel

RELIGN 140 - Undergraduate Seminar: Study of Religion

RELIGN M142C - History of Religion in U.S.

RELIGN M155 - Angels, Demons, and End of World: Magic, Mysticism, and Apocalypse in Jewish Traditions

RELIGN 156 - Religion and Liberation

RELIGN 158 - The Bible in Justice Movements

RELIGN M161A - Chinese Buddhism

RELIGN M161B - Japanese Buddhism

RELIGN M161C - Korean Buddhism

RELIGN M161D - Buddhism in India

RELIGN M172 - Bible and Its Interpreters

RELIGN M173C - Shinto, Buddhism, and Japanese Folk Religion

RELIGN M174D - Indo-Islamic Interactions, 700 to 1750

RELIGN M174E - Indo-Islamic Interactions, 1750 to 1950

RELIGN M175 - Topics in Philosophy of Religion

RELIGN M178 - Variable Topics

RELIGN M179 - Topics in Moral Philosophy: Evil

RELIGN M182A - Ancient Jewish History

RELIGN M182B - Medieval Jewish History

RELIGN M184A - Jewish Civilization: Encounter with Great World Cultures

RELIGN M185D - Religions of Ancient Near East

RELIGN M186A - History of Early Christians

RELIGN M186B - Religious Environment of Early Christians

RELIGN M186C - Jesus of Nazareth in Historical Research

WL ARTS C142 - Myth and Ritual

WL ARTS C151 - Ethnography of Religions

Policies

The Minor Policies

A course may be taken twice, on different topics, for credit toward the minor where repetition is allowed by the department offering the course. A maximum of 4 units of special studies courses (197, 198, 199) approved by the adviser may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Research Practice Overview

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College of Letters and Science

A334 Murphy Hall
Box 951430
Los Angeles, CA 90095-1430

Research Practice
310-825-2935
Program e-mail

Muriel C. McClendon, PhD, ***Humanities, Arts, and Social Sciences Chair***
Margot E. Quinlan, PhD, ***Sciences Chair***

The research practice subject area includes interdisciplinary courses in the practice of research. Hosted by the **Undergraduate Research Center—Sciences** and the **Undergraduate Research Center—Humanities, Arts, and Social Sciences**, research practice courses cover the development of research questions and the application of methodologies, as well as forms of qualitative and quantitative analysis, and research communications and publications. The courses combine theory and practice, and emphasize experiential learning. Students do not just gain knowledge and skills in their discipline; they also develop an understanding of how knowledge is created and applied across the university.

Research practice courses expand on important skills for success in research, and also explore how research skills integrate into a variety of careers. Research practice courses are not associated with one department; students in any major can enroll. Some courses are associated with a research, journal, or scholarship program, and acceptance into that program is required to enroll. Other courses have an open enrollment. For more information see **Research Practice**.

Research Practice Faculty Committee

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Tama W. Hasson, PhD *(Integrative Biology and Physiology)*
Beth A. Lazazzera, PhD *(Microbiology, Immunology, and Molecular Genetics)*
Muriel C. McClendon, PhD *(History)*
Craig A. Merlic, PhD (*Chemistry and Biochemistry)*

Science Education Overview

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Interdisciplinary Minor
College of Letters and Science

1037 Young Hall
Box 951569
Los Angeles, CA 90095-1569

Science Education
310-794-2191
Minor e-mail

Patricia E. Phelps, PhD, ***Co-Chair***
Arlene A. Russell, PhD, ***Co-Chair***

The Science Education minor provides preparation for careers where teaching is an important component, including middle and high school, community college, university, or other science-related outreach careers. Students who wish to become middle or high school science teachers and who plan to teach as graduate students in their disciplines are the primary focus. The minor supplies the broad general science background included in California state subject matter credential examinations, education coursework, field experiences in the development, management, and teaching of science laboratory instruction in grades 7 through 12, and UCLA-based teaching practicums in lower-division science laboratories.

Science Education Faculty Committee

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Eric J. Deeds, PhD *(Integrative Biology and Physiology)*
Neil K. Garg, PhD *(Chemistry and Biochemistry)*
Rashmita S. Mistry, PhD *(Education)*
Gaston M.U. Pfluegl, PhD, *ex officio (Life Sciences)*
Patricia E. Phelps, PhD *(Integrative Biology and Physiology)*
Jody Z. Priselac, EdD *(Education)*
Arlene A. Russell, PhD *(Chemistry and Biochemistry, Education)*
Joshua F. Samani, PhD *(Physics and Astronomy)*
Shanna Shaked, PhD, MAT, *ex officio (Environment and Sustainability)*

Minor

Science Education Minor

College / School
College of Letters and Science

Department
Science Education

Level
Undergraduate

Entry to the Minor

Admission

Students eligible for admission to the Science Education minor should be making normal progress on the preparation for a major in the sciences or engineering whether they have declared such a major or not. They must have completed nine courses selected from the following, with at least one course from each of the four categories: (1) Chemistry and Biochemistry 14A, 14B, 14BL, 14C, 14CL (or 20A, 20B, 20L, 30A, 30AL), (2) Life Sciences 7A, 7B, 7C, 23L, (3) Mathematics 3A, 31A or Life Sciences 30A, and (4) Physics

1A, 1B, 4AL, 4BL (or 5A, 5B, 5C). Prior participation in a supervised experience in schools is recommended.

To enter the minor, students must be in good academic standing with an overall grade-point average of 2.0 or better. Students must consult with the academic coordinator responsible for the minor to plan a coherent program to complete both the minor and their major, prior to filing a petition to enter the minor.

Minor Requirements

The Minor

Required Lower-Division Courses (6 to 8 units):

Complete two courses as follows:

SCIENCE EDUCATION

Select one course from:

SCI EDU 1XP - Classroom Practices in Elementary School Science

SCI EDU 10XP - Classroom Practices in Middle School Science

SCI EDU 15XP - Exploration of K-12 Classroom Practices in Science Education

EARTH, PLANETARY, AND SPACE SCIENCES

EPS SCI 1 - Introduction to Earth Science

Substitution

One of the following courses may be substituted for Earth, Planetary, and Space Sciences 1:

EPS SCI 101 - Earth's Energy: Diminishing Fossil Resources and Prospects for Sustainable Future

EPS SCI C113 - Biological and Environmental Geochemistry

A&O SCI 101 - Fundamentals of Atmospheric Dynamics and Thermodynamics

A&O SCI 102 - Climate Change and Climate Modeling

A&O SCI 103 - Physical Oceanography

Required Upper-Division Courses (22 units minimum)

Complete two required courses as additional courses to reach a minimum of 22 units as follows:

EDUC 127 - Educational Psychology: Contexts for Teaching and Learning

SCI EDU 100XP - Classroom Practices in High School Science

ADDITIONAL COURSES

Complete at least three units selected from:

CHEM 192A - Undergraduate Practicum in Chemistry and Biochemistry

CHEM 192B - Undergraduate Practicum in Chemistry and Biochemistry

LIFESCI M192A - Introduction to Collaborative Learning Theory and Practice

LIFESCI 192B - Methods and Application of Collaborative Learning Theory in Life Sciences

LIFESCI 192C - Methods and Application of Collaborative Learning Theory in Life Sciences

LIFESCI 192D - Methods and Application of Collaborative Learning Theory in Life Sciences

LIFESCI 192E - Methods and Application of Collaborative Learning Theory in Life Sciences

PHYSICS 192M - Methods and Application of Collaborative Learning Theory in Physical Sciences

PHYSICS M192S - Introduction to Collaborative Learning Theory and Practice

PHYSCI 192A - Introduction to Collaborative Learning Theory and Practice

PHYSCI 192B - Methods and Application of Collaborative Learning Theory in Physical Sciences

EDUCATION

Complete at least one and no more than two courses selected from:

EDUC M102 - Mexican Americans and Schools

EDUC M103 - Asian American Education and Schooling

EDUC 104A - Introduction to Exceptional Learners

EDUC 105B - Topics in Child Development and Social Policies

EDUC 106A - Education and Law

EDUC 107A - Race, Class, and Education Inequality in U.S.

EDUC 107B - Race and Education: Access, Equity, and Achievement

EDUC M108 - Sociology of Education

EDUC 111 - Politics of Education

EDUC 123 - Teaching Profession

EDUC 126 - Language, Literacy, and Academic Development: Educational Considerations for School-Age Multilingual and English Language Learner Students

EDUC M131A - Language, Literacy, and Human Development Research Group Seminars

EDUC 132 - Autism: Mind, Brain, and Education

EDUC M136 - Working Families and Educational Inequalities in Urban Schools

EDUC 147 - Social Context of Learners in K-12: Diversity, Residential Mobility, Immigration, and Food Security Conditions in California

EDUC 141 - Adolescent Development

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor, and at least 16 units must be taken in residence at UCLA.

Each minor course, except Science Education 10XP, must be taken for a letter grade, with a grade of C or better in each, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Slavic, East European, and Eurasian Languages and Cultures Overview

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College of Letters and Science

322 Kaplan Hall
Box 951502
Los Angeles, CA 90095-1502

Slavic, East European, and Eurasian Languages and Cultures
310-825-3856
Department e-mail

Igor Pilshchikov, PhD, ***Chair***
Gail D. Lenhoff, PhD, ***Director, Undergraduate Studies***
Vadim Shneyder, PhD, ***Director, Graduate Studies***

The Department of Slavic, East European, and Eurasian Languages and Cultures offers a wide array of courses in the languages and cultures of Russia and of central and eastern Europe. Instruction is offered in Czech, Hungarian, Polish, Romanian, Russian, Serbian/Croatian, and Ukrainian to provide students with the necessary linguistic skills to pursue advanced work in the literature, culture, history, politics, and social structures of these areas. Students have the choice of several majors and minors and the opportunity to enhance their knowledge and skills through programs of study abroad.

Undergraduate Study

The department offers three majors: Central and East European Languages and Cultures; Russian Language and Literature; and Russian Studies. The equivalent of a major in Central and East European Languages and Cultures or Russian Language and Literature is normally required for admission to the department graduate program and is used to determine the number of courses in Russian literature and/or linguistics that students majoring in Russian Studies are expected to make up in order to receive graduate degrees in the department. Students not majoring in Central and East European Languages and Cultures or Russian Language and Literature who intend to pursue graduate study in the department are strongly encouraged to take courses in Russian literature and linguistics during their undergraduate years to reduce the number of makeup courses required. Qualified seniors may also take graduate courses numbered below 220 with consent of the instructor and the graduate and undergraduate advisers.

Subject Areas

Slavic, East European, and Eurasian Languages and Cultures courses are in the following subject areas:

- **Bulgarian**
- **Central and East European Studies**
- **Czech**
- **Hungarian**
- **Lithuanian**
- **Polish**
- **Romanian**
- **Russian**
- **Serbian/Croatian**
- **Slavic**
- **Ukrainian**

Slavic, East European, and Eurasian Languages and Cultures Faculty Roster

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Professors

Tanya Ivanova-Sullivan, PhD
Lilya Kaganovksy, PhD
Roman Koropeckyj, PhD
Gail D. Lenhoff, PhD
Igor Pilshchikov, PhD
Ronald W. Vroon, PhD *(Vladimir and Lydia Markov Professor of Russian Literature)*

Professors Emeriti

Henning Andersen, PhD
Peter C. Hodgson, Jr., PhD
Emily R. Klenin, PhD
Aleksandr L. Ospovat, PhD

Associate Professor

Vadim Shneyder, PhD

Senior Lecturers

Susan C. Kresin, PhD
Anna Kudyma, PhD

Lecturers

Melinda Borbely, MA
Anca M. Cuptor, PhD
Yelena Furman, PhD
Viktorija Lejko-Lacan, PhD

Adjunct Professor

Vladimir Paperny, PhD

Major

Central and East European Languages and Cultures BA

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The major in Central and East European Languages and Cultures is designed to provide students with a mastery of one language of central or eastern Europe and familiarity with the literature, as well as general background in the cultural, political, and social history of the Slavic peoples.

Capstone Major

The Central and East European Languages and Cultures major is a designated capstone major. Students must complete a capstone seminar and present their final paper in the department annual Undergraduate Research Conference. Students draw on their previously acquired subject matter knowledge and skills to plan a research project and write a substantial academic paper. They also gain experience engaging in scholarly discourse, preparing appropriate media for public presentation, and submitting their work to an academic journal.

Learning Outcomes

1. Incorporation of knowledge acquired to formulate an independent study topic and research project
2. Selection and use of original sources in a Central and East European language or Russian to prepare a thesis
3. Acquisition of skills relating to development of discourse and argument that is clear, reasoned, reflective, informed by evidence, and aimed at deciding what to believe
4. Determination of what information should be developed and analyzed
5. Completion of conference presentation that includes fielding audience questions
6. Mastery of oral communication including interpersonal communication, presentation, and discussion
7. Editing of the research paper into a journal article, and submission of it to an academic journal

Entry to the Major

Transfer Students

Transfer applicants to the Central and East European Languages and Cultures major with 90 or more units must complete the following introductory course prior to admission to UCLA: one culture, history, or civilization course on one or more European nations.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Select one course from:

- C&EE ST 91 - Culture and Society in Central and Eastern Europe
- SLAVC 90 - Introduction to Slavic Civilization

The Major

Complete 42 to 48 units as follows:

Introductory Language Sequence

Complete one three-quarter (12 to 15 units) introductory central and east European language sequence, or one 12-unit intensive introductory central and east European language course from:

- CZCH 101A - Introduction to Czech Language and Culture
- CZCH 101B - Introduction to Czech Language and Culture
- CZCH 101C - Introduction to Czech Language and Culture
- HNGAR 101A - Elementary Hungarian
- HNGAR 101B - Elementary Hungarian

HNGAR 101C - Elementary Hungarian

POLSH 101A - Elementary Polish

POLSH 101B - Elementary Polish

POLSH 101C - Elementary Polish

ROMANIA 101A - Elementary Romanian

ROMANIA 101B - Elementary Romanian

ROMANIA 101C - Elementary Romanian

ROMANIA 103 - Intensive Elementary Romanian

SRB CRO 101A - Elementary Serbian/Croatian

SRB CRO 101B - Elementary Serbian/Croatian

SRB CRO 101C - Elementary Serbian/Croatian

SRB CRO 103 - Intensive Elementary Bosnian, Serbian, Croatian

UKRN 101A - Elementary Ukrainian

UKRN 101B - Elementary Ukrainian

UKRN 101C - Elementary Ukrainian

Advanced Language Sequence

Complete one three-quarter (12 to 15 units) language sequence from the following or any three courses from Russian elective list:

CZECH, HUNGARIAN, POLISH, ROMANIAN, SERBIAN/CROATIAN, AND UKRAINIAN

CZCH 102A - Advanced Czech

CZCH 102B - Advanced Czech

CZCH 102C - Advanced Czech

HNGAR 102A - Advanced Hungarian

HNGAR 102B - Advanced Hungarian

HNGAR 102C - Advanced Hungarian

POLSH 102A - Advanced Polish

POLSH 102B - Advanced Polish

POLSH 102C - Advanced Polish

ROMANIA 102A - Advanced Romanian

ROMANIA 102B - Advanced Romanian

ROMANIA 102C - Advanced Romanian

SRB CRO 102A - Advanced Serbian/Croatian

SRB CRO 102B - Advanced Serbian/Croatian

SRB CRO 102C - Advanced Serbian/Croatian

UKRN 102A - Advanced Ukrainian

UKRN 102B - Advanced Ukrainian

UKRN 102C - Advanced Ukrainian

RUSSIAN ELECTIVES

RUSSN 100A - Literacy in Russian

RUSSN 100B - Literacy in Russian

RUSSN 100C - Literacy in Russian

RUSSN 101A - Third-Year Russian

RUSSN 101B - Third-Year Russian

RUSSN 101C - Third-Year Russian

RUSSN 102A - Topics in Advanced/Superior Russian

RUSSN 102B - Topics in Advanced/Superior Russian

RUSSN 102C - Topics in Advanced/Superior Russian

RUSSN 103A - Russian for Native and Near-Native Speakers: Russian National Identity

RUSSN 103B - Russian for Native and Near-Native Speakers: Literature and Film

RUSSN 103C - Russian for Native and Near-Native Speakers: Special Topics

RUSSN 130A - Russian Poetry: Introduction to Analysis of Russian Poetry

RUSSN 140A - Russian Prose Fiction: Introduction to Analysis of Russian Narrative Prose

Electives

Select three courses (12 units) from the following list of courses or ranges (187 courses are 2 units each; no more than 8 units may be from the 187 series):

COURSES

C&EE ST M120 - Women and Literature in Southeastern Europe

C&EE ST M125 - Interwar Central European Prose

C&EE ST CM126 - Cold-War Central European Culture

CZCH 155 - Survey of Czech Literature from Middle Ages to Present

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 120B - East-Central Europe: Short 20th Century, 1918 to 1990

HIST 120C - East-Central Europe in Transition, 1988 to 1993

HIST 120D - Film and History: Central and Eastern Europe, 1945 to 1989

POLSH 152A - Survey of Polish Literature: From the Middle Ages to Neoclassicism

POLSH 152B - Survey of Polish Literature: Reimagining a Nation

POLSH 152C - Survey of Polish Literature: Dreaming, Mocking, and Writing "as if"

ROMANIA 152 - Survey of Romanian Literature

RUSSN CM124G - Studies in Russian Literature: Gogol

UKRN 152 - Ukrainian Literature

CZECH, HUNGARIAN, POLISH, ROMANIAN, SERBIAN/CROATIAN, UKRAINIAN 187A THROUGH 187M

Czech, Hungarian, Polish, Romanian, Serbian/Croatian, Ukrainian 187A through 187M

ADDITIONAL RUSSIAN ELECTIVES

One of the three courses may be selected from:

RUSSN M118 - History of Russia, Origins to Rise of Muscovy

RUSSN 119 - Golden Age and Great Realists

RUSSN 120 - Literature and Revolution

RUSSN C124C - Studies in Russian Literature: Chekhov

RUSSN C124D - Studies in Russian Literature: Dostoevsky

RUSSN C124N - Studies in Russian Literature: Nabokov

RUSSN C124T - Studies in Russian Literature: Tolstoy

Capstone

During their senior year, students must also take the following courses in which they complete a capstone senior thesis:

SLAVC 191TA - Senior Capstone Thesis in Slavic Languages and Literatures

SLAVC 191TB - Senior Capstone Thesis in Slavic Languages and Literatures

SLAVC 191TC - Senior Capstone Thesis in Slavic Languages and Literatures

Honors Program

The honors program is designed for exceptional departmental majors who wish to complete a research project that culminates in an honors thesis. The courses must be taken during senior year (fall, winter, and spring terms respectively). Students pursuing departmental honors must submit the contract for each course by the end of the tenth week of the previous quarter. The sequence culminates in the submission of a thesis. Students who enroll in the honors program are exempt from taking the standard thesis course sequence (Slavic 191TA, 191TB, 191TC).

SLAVC 198A - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

SLAVC 198B - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

SLAVC 198C - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

Policies

The Major Policies

Students may petition to substitute courses after consulting with the undergraduate adviser.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year. At the time of admission, students must have completed at least two upper-division courses in their major. Prior to admission to the honors program, students must identify a faculty adviser, who must be a regular member of the UCLA faculty; the faculty adviser must commit to mentoring the student for the duration of the program. Students must also write a two-page proposal of the project, to be approved by the faculty adviser and submitted with the application form.

Honors Program

Requirements

The honors thesis is intended to be a substantial piece of original scholarship at least 40 pages in length exclusive of front matter, appendixes, and bibliography (25 pages to satisfy the regular capstone senior thesis major requirement). Students are required to use a Slavic, east European, or Eurasian language in their research, with the scope of the language work to be determined in consultation with their faculty adviser. Evaluation of the honors thesis is made by the faculty adviser.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Slavic 198A, 198B, 198C with grades of B or better.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required for the major and an overall GPA of 3.5 or better, and (3) complete Slavic 198A, 198B, 198C with grades of A– or better.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

In the event that a student does not complete the departmental honors program or qualify for departmental honors/highest honors, their paper may count toward the regular capstone senior thesis requirement for their major (25 pages minimum to satisfy requirement).

Major

Russian Language and Literature BA

College / School
College of Letters and Science

Department
Slavic, East European, and Eurasian Languages and Cultures

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Overview

The Russian Language and Literature major is designed to provide students with basic mastery of the Russian language and familiarity with the classics of Russian literature. Students typically begin to study Russian in their first year, but those contemplating a Russian major later in their academic program can

fulfill the Russian language requirement by combining regular coursework with summer programs or with the University of California Education Abroad Program (EAP) in Moscow, which is open to students who have completed the equivalent of one or more years of study (level 1 on the American Council on Teaching of Foreign Languages [ACTFL] scale). Students interested in this program should consult with the undergraduate adviser as early as possible.

Capstone Major

The Russian Language and Literature major is a designated capstone major. Students must complete a capstone seminar and present their final paper in the department annual Undergraduate Research Conference. Students draw on their previously acquired subject matter knowledge and skills to plan a research project and write a substantial academic paper. They also gain experience engaging in scholarly discourse, preparing appropriate media for public presentation, and submitting their work to an academic journal.

Learning Outcomes

1. Incorporation of knowledge acquired to formulate an independent study topic and research project
2. Selection and use of original sources in Russian or a related language to prepare a thesis
3. Acquisition of skills relating to development of discourse and argument that is clear, reasoned, reflective, informed by evidence, and aimed at deciding what to believe
4. Determination of what information should be developed and analyzed
5. Completion of conference presentation that includes fielding audience questions

6. Mastery of oral communication including interpersonal communication, presentation, and discussion

7. Editing of the research paper into a journal article, and submission of it to an academic journal

Entry to the Major

Transfer Students

Transfer applicants to the Russian Language and Literature major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Russian and one Russian civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Intermediate Russian

Select one course from the following or demonstrate equivalent proficiency:

RUSSN 6 - Intermediate Russian

RUSSN 20 - Intensive Intermediate Russian

Elective

Select one course from:

RUSSN 25 - Great Russian Novel

RUSSN 25W - Great Russian Novel

RUSSN 90A - Introduction to Russian Civilization

RUSSN 90B - Russian Civilization in 20th Century

RUSSN 90BW - Russian Civilization in 20th Century

The Major

Complete 10 courses (44 to 47 units) and a capstone series as follows:

Russian Language

Select three courses from the following list. Consult with the undergraduate adviser for appropriate placement.

RUSSN 100A - Literacy in Russian

RUSSN 100B - Literacy in Russian

RUSSN 100C - Literacy in Russian

RUSSN 101A - Third-Year Russian

RUSSN 101B - Third-Year Russian

RUSSN 101C - Third-Year Russian

RUSSN 102A - Topics in Advanced/Superior Russian

RUSSN 102B - Topics in Advanced/Superior Russian

RUSSN 102C - Topics in Advanced/Superior Russian

RUSSN 103A - Russian for Native and Near-Native Speakers: Russian National Identity

RUSSN 103B - Russian for Native and Near-Native Speakers: Literature and Film

RUSSN 103C - Russian for Native and Near-Native Speakers: Special Topics

RUSSN 107A - Russian for Social and Cultural Studies

RUSSN 107B - Russian for Social and Cultural Studies

RUSSN 107C - Russian for Social and Cultural Studies

RUSSN 108 - Russian for Business: Language and Culture

Russian Literature and Culture

Select five courses from:

RUSSN 119 - Golden Age and Great Realists

RUSSN 120 - Literature and Revolution

RUSSN 121 - Russian Pop Culture

RUSSN 129 - Animation and Music Video

RUSSN 130A - Russian Poetry: Introduction to Analysis of Russian Poetry

RUSSN 130B - Russian Poetry: Poetry of Russian Neoclassicism, Romanticism, and Realism

RUSSN 130C - Russian Poetry: Russian Poetry in the 20th Century

RUSSN 140A - Russian Prose Fiction: Introduction to Analysis of Russian Narrative Prose

RUSSN 140B - Russian Prose Fiction: Russian Romantic Prose

RUSSN 140C - Russian Prose Fiction: Great Realists

RUSSN 140D - Russian Prose Fiction: 20th-Century Modernism

Additional Russian Language and/or Literature

Select two courses from:

RUSSN 102A - Topics in Advanced/Superior Russian

RUSSN 102B - Topics in Advanced/Superior Russian

RUSSN 102C - Topics in Advanced/Superior Russian

RUSSN 103A - Russian for Native and Near-Native Speakers: Russian National Identity

RUSSN 103B - Russian for Native and Near-Native Speakers: Literature and Film

RUSSN 103C - Russian for Native and Near-Native Speakers: Special Topics

RUSSN 107A - Russian for Social and Cultural Studies

RUSSN 107B - Russian for Social and Cultural Studies

RUSSN 107C - Russian for Social and Cultural Studies

RUSSN 108 - Russian for Business: Language and Culture

RUSSN M118 - History of Russia, Origins to Rise of Muscovy

RUSSN 122 - Siberia

RUSSN C124C - Studies in Russian Literature: Chekhov

RUSSN C124D - Studies in Russian Literature: Dostoevsky

RUSSN CM124G - Studies in Russian Literature: Gogol

RUSSN C124N - Studies in Russian Literature: Nabokov

RUSSN C124P - Studies in Russian Literature: Pushkin

RUSSN C124T - Studies in Russian Literature: Tolstoy

RUSSN M127 - Women in Russian Literature

SLAVC CM114 - Teaching and Learning of Heritage Languages

Capstone

During their senior year, students must also take the following three courses in which they complete a capstone senior thesis:

SLAVC 191TA - Senior Capstone Thesis in Slavic Languages and Literatures

SLAVC 191TB - Senior Capstone Thesis in Slavic Languages and Literatures

SLAVC 191TC - Senior Capstone Thesis in Slavic Languages and Literatures

Honors Program

The honors program is designed for exceptional departmental majors who wish to complete a research project that culminates in an honors thesis. The courses must be taken during senior year (fall, winter, and spring terms respectively). Students pursuing departmental honors must submit the contract for each course by the end of the tenth week of the previous quarter. The sequence culminates in the submission of a thesis. Students who enroll in the honors program are exempt from taking the standard thesis course sequence (Slavic 191TA, 191TB, 191TC).

SLAVC 198A - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

SLAVC 198B - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

SLAVC 198C - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

Policies

The Major Policies

Students may petition to substitute courses after consulting with the undergraduate adviser.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year. At the time of admission, students must have completed at least two upper-division courses in their major. Prior to admission to the honors program, students must identify a faculty adviser, who must be a regular member of the UCLA faculty; the faculty adviser must commit to mentoring the student for the duration of the program. Students must also write a two-page proposal of the project, to be approved by the faculty adviser and submitted with the application form.

Honors Program

Requirements

The honors thesis is intended to be a substantial piece of original scholarship at least 40 pages in length exclusive of front matter, appendixes, and bibliography (25 pages to satisfy the regular capstone senior thesis major requirement). Students are required to use a Slavic, east European, or Eurasian language in their research, with the scope of the language work to be determined in consultation with their faculty adviser. Evaluation of the honors thesis is made by the faculty adviser.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Slavic 198A, 198B, 198C with grades of B or better.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required for the major and an overall GPA of 3.5 or better, and (3) complete Slavic 198A, 198B, 198C with grades of A– or better.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

In the event that a student does not complete the departmental honors program or qualify for departmental honors/highest honors, their paper may count toward the regular capstone senior thesis requirement for their major (25 pages minimum to satisfy requirement).

Major

Russian Studies BA

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The major in Russian Studies is designed for students who wish to complement mastery of the language with an array of courses on Russian history, politics, literature, and culture.

Capstone Major

The Russian Studies major is a designated capstone major. Students must complete a capstone seminar and present their final paper in the department annual Undergraduate Research Conference. Students draw on their previously acquired subject matter knowledge and skills to plan a research project and write a substantial academic paper. They also gain experience engaging in scholarly discourse, preparing appropriate media for public presentation, and submitting their work to an academic journal.

Learning Outcomes

1. Incorporation of knowledge acquired to formulate an independent study topic and research project
2. Selection and use of original sources in Russian or a related language to prepare a thesis
3. Acquisition of skills relating to development of discourse and argument that is clear, reasoned, reflective, informed by evidence, and aimed at deciding what to believe
4. Determination of what information should be developed and analyzed
5. Completion of conference presentation that includes fielding audience questions
6. Mastery of oral communication including interpersonal communication, presentation, and discussion

7. Editing of the research paper into a journal article, and submission of it to an academic journal

Entry to the Major

Transfer Students

Transfer applicants to the Russian Studies major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Russian and one Russian civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Intermediate Russian

Select one course from the following or demonstrate equivalent proficiency:

- RUSSN 6 - Intermediate Russian
- RUSSN 20 - Intensive Intermediate Russian

Elective

Select one course from:

- RUSSN 25 - Great Russian Novel
- RUSSN 25W - Great Russian Novel
- RUSSN 90A - Introduction to Russian Civilization
- RUSSN 90B - Russian Civilization in 20th Century
- RUSSN 90BW - Russian Civilization in 20th Century

The Major

Complete 10 courses (44 to 47 units) and a capstone series as follows:

Russian Language

Select three courses from the following list. Consult with the undergraduate adviser for appropriate placement.

- RUSSN 100A - Literacy in Russian
- RUSSN 100B - Literacy in Russian
- RUSSN 100C - Literacy in Russian
- RUSSN 101A - Third-Year Russian
- RUSSN 101B - Third-Year Russian
- RUSSN 101C - Third-Year Russian
- RUSSN 102A - Topics in Advanced/Superior Russian
- RUSSN 102B - Topics in Advanced/Superior Russian
- RUSSN 102C - Topics in Advanced/Superior Russian
- RUSSN 103A - Russian for Native and Near-Native Speakers: Russian National Identity
- RUSSN 103B - Russian for Native and Near-Native Speakers: Literature and Film
- RUSSN 103C - Russian for Native and Near-Native Speakers: Special Topics
- RUSSN 107A - Russian for Social and Cultural Studies
- RUSSN 107B - Russian for Social and Cultural Studies
- RUSSN 107C - Russian for Social and Cultural Studies
- RUSSN 108 - Russian for Business: Language and Culture

Additional Russian Language and/or Literature

Select three courses from:

- RUSSN 102A - Topics in Advanced/Superior Russian
- RUSSN 102B - Topics in Advanced/Superior Russian

RUSSN 102C - Topics in Advanced/Superior Russian

RUSSN 103A - Russian for Native and Near-Native Speakers: Russian National Identity

RUSSN 103B - Russian for Native and Near-Native Speakers: Literature and Film

RUSSN 103C - Russian for Native and Near-Native Speakers: Special Topics

RUSSN 107A - Russian for Social and Cultural Studies

RUSSN 107B - Russian for Social and Cultural Studies

RUSSN 107C - Russian for Social and Cultural Studies

RUSSN 108 - Russian for Business: Language and Culture

RUSSN M118 - History of Russia, Origins to Rise of Muscovy

RUSSN 119 - Golden Age and Great Realists

RUSSN 120 - Literature and Revolution

RUSSN 121 - Russian Pop Culture

RUSSN 122 - Siberia

RUSSN C124C - Studies in Russian Literature: Chekhov

RUSSN C124D - Studies in Russian Literature: Dostoevsky

RUSSN CM124G - Studies in Russian Literature: Gogol

RUSSN C124N - Studies in Russian Literature: Nabokov

RUSSN C124P - Studies in Russian Literature: Pushkin

RUSSN C124T - Studies in Russian Literature: Tolstoy

RUSSN 129 - Animation and Music Video

Related Fields

Select four courses from:

HIST M127A - History of Russia, Origins to Rise of Muscovy

HIST 127B - History of Russia: Imperial Russia from Peter the Great to Nicholas II

HIST 127C - History of Russia: Revolutionary Russia and Soviet Union

HIST 127D - History of Russia: Culture and Society in Imperial Russia

POL SCI 156A - Government and Politics of Post-Communist States: Russia

SLAVC CM114 - Teaching and Learning of Heritage Languages

Capstone

During their senior year, students must also take the following three courses in which they complete a capstone senior thesis:

SLAVC 191TA - Senior Capstone Thesis in Slavic Languages and Literatures

SLAVC 191TB - Senior Capstone Thesis in Slavic Languages and Literatures

SLAVC 191TC - Senior Capstone Thesis in Slavic Languages and Literatures

Honors Program

The honors program is designed for exceptional departmental majors who wish to complete a research project that culminates in an honors thesis. The courses must be taken during senior year (fall, winter, and spring terms respectively). Students pursuing departmental honors must submit the contract for each course by the end of the tenth week of the previous quarter. The sequence culminates in the submission of a thesis. Students who enroll in the honors program are exempt from taking the standard thesis course sequence (Slavic 191TA, 191TB, 191TC).

SLAVC 198A - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

SLAVC 198B - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

SLAVC 198C - Honors Research in Slavic, East European, and Eurasian Languages and Cultures

Policies

The Major Policies

Students may petition to substitute courses after consulting with the undergraduate adviser.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Honors Program

Admission

The honors program is open to majors with a 3.5 grade-point average in upper-division courses in the major and a 3.0 overall GPA. Students should apply for admission by spring quarter of their junior year. At the time of admission, students must have completed at least two upper-division courses in their major. Prior to admission to the honors program, students must identify a faculty adviser, who must be a regular member of the UCLA faculty; the faculty adviser must commit to mentoring the student for the duration of the program. Students must also write a two-page proposal of the project, to be approved by the faculty adviser and submitted with the application form.

Honors Program

Requirements

The honors thesis is intended to be a substantial piece of original scholarship at least 40 pages in length exclusive of front matter, appendixes, and bibliography (25 pages to satisfy the regular capstone senior thesis major requirement). Students are required to use a Slavic, east European, or Eurasian language in their research, with the scope of the language work to be determined in consultation with their faculty adviser. Evaluation of the honors thesis is made by the faculty adviser.

To qualify for graduation with departmental honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.5 or better in upper-division courses required for the major and an overall GPA of 3.0 or better, and (3) complete Slavic 198A, 198B, 198C with grades of B or better.

To qualify for graduation with departmental highest honors, students must (1) complete all requirements for the major, (2) have a cumulative grade-point average of 3.8 or better in upper-division courses required for the major and an overall GPA of 3.5 or better, and (3) complete Slavic 198A, 198B, 198C with grades of A– or better.

Honors and highest honors are recorded on the final transcript and diploma after students successfully complete the program.

In the event that a student does not complete the departmental honors program or qualify for departmental honors/highest honors, their paper may count toward the regular capstone senior thesis requirement for their major (25 pages minimum to satisfy requirement).

Minor

Central and East European Studies Minor

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Level

Undergraduate

Overview

The Central and East European Studies minor is designed for students who wish to augment their major program of study in the College of Letters and Sciences with exposure to a variety of disciplines pertinent to the study of central and eastern Europe, including language, literature, history, political science, folklore, ethnomusicology, and women's studies.

Entry to the Minor

Admission

To enter the minor students must be in good academic standing (2.0 minimum grade-point average) and file a petition with the department counselor in 322B Kaplan Hall, 310-825-3856.

Minor Requirements

The Minor

Required Lower-Division Course (5 units)

Select one course from:

C&EE ST 91 - Culture and Society in Central and Eastern Europe

SLAVC 90 - Introduction to Slavic Civilization

Required Upper-Division Courses (28 to 31 units)

INTRODUCTORY LANGUAGE

Select one three-quarter introductory central and east European language sequence, or one 12-unit intensive introductory central and east European language course, from the following list. Students who demonstrate sufficient fluency in one of these languages through departmental testing are exempt from this three-course sequence and must replace it with a minimum of 12 units of language courses from second-year or higher-level language courses listed.

CZCH 101A - Introduction to Czech Language and Culture

CZCH 101B - Introduction to Czech Language and Culture

CZCH 101C - Introduction to Czech Language and Culture

HNGAR 101A - Elementary Hungarian

HNGAR 101B - Elementary Hungarian

HNGAR 101C - Elementary Hungarian

POLSH 101A - Elementary Polish

POLSH 101B - Elementary Polish

POLSH 101C - Elementary Polish

ROMANIA 101A - Elementary Romanian

ROMANIA 101B - Elementary Romanian

ROMANIA 101C - Elementary Romanian

ROMANIA 103 - Intensive Elementary Romanian

SRB CRO 101A - Elementary Serbian/Croatian

SRB CRO 101B - Elementary Serbian/Croatian

SRB CRO 101C - Elementary Serbian/Croatian

SRB CRO 103 - Intensive Elementary Bosnian, Serbian, Croatian

UKRN 101A - Elementary Ukrainian

UKRN 101B - Elementary Ukrainian

UKRN 101C - Elementary Ukrainian

TARGET CULTURE

Select one course dealing directly with the target culture from:

C&EE ST M120 - Women and Literature in Southeastern Europe

C&EE ST M125 - Interwar Central European Prose

C&EE ST CM126 - Cold-War Central European Culture

CZCH 155 - Survey of Czech Literature from Middle Ages to Present

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 120B - East-Central Europe: Short 20th Century, 1918 to 1990

HIST 120C - East-Central Europe in Transition, 1988 to 1993

HIST 120D - Film and History: Central and Eastern Europe, 1945 to 1989

POLSH 152A - Survey of Polish Literature: From the Middle Ages to Neoclassicism

POLSH 152B - Survey of Polish Literature: Reimagining a Nation

POLSH 152C - Survey of Polish Literature: Dreaming, Mocking, and Writing "as if"

ROMANIA 152 - Survey of Romanian Literature

RUSSN CM124G - Studies in Russian Literature: Gogol

SRB CRO 154 - South Slavic Literature

UKRN 152 - Ukrainian Literature

SECOND YEAR LANGUAGE OR ELECTIVE COURSES

Select 12 units of second-year or higher language courses or three courses dealing directly with any central and east European culture from the following options:

Second-Year or Higher Level Language

Select 12 units of second-year or higher-level language courses from:

Courses

CZCH 102A - Advanced Czech

CZCH 102B - Advanced Czech

CZCH 102C - Advanced Czech

HNGAR 102A - Advanced Hungarian

HNGAR 102B - Advanced Hungarian

HNGAR 102C - Advanced Hungarian

POLSH 102A - Advanced Polish

POLSH 102B - Advanced Polish

POLSH 102C - Advanced Polish

ROMANIA 102A - Advanced Romanian

ROMANIA 102B - Advanced Romanian

ROMANIA 102C - Advanced Romanian

SRB CRO 102A - Advanced Serbian/Croatian

SRB CRO 102B - Advanced Serbian/Croatian

SRB CRO 102C - Advanced Serbian/Croatian

UKRN 102A - Advanced Ukrainian

UKRN 102B - Advanced Ukrainian

UKRN 102C - Advanced Ukrainian

Czech, Hungarian, Polish, Romanian, Serbian/Croatian, Ukrainian 187A through 187M

Czech, Hungarian, Polish, Romanian, Serbian/Croatian, Ukrainian 187A through 187M

Electives

Select three courses dealing directly with any central and east European culture from:

C&EE ST M120 - Women and Literature in Southeastern Europe

C&EE ST M125 - Interwar Central European Prose

C&EE ST CM126 - Cold-War Central European Culture

CZCH 155 - Survey of Czech Literature from Middle Ages to Present

HIST 120A - East-Central Europe: Long 19th Century, 1780 to 1914

HIST 120B - East-Central Europe: Short 20th Century, 1918 to 1990

HIST 120C - East-Central Europe in Transition, 1988 to 1993

HIST 120D - Film and History: Central and Eastern Europe, 1945 to 1989

POLSH 152A - Survey of Polish Literature: From the Middle Ages to Neoclassicism

POLSH 152B - Survey of Polish Literature: Reimagining a Nation

POLSH 152C - Survey of Polish Literature: Dreaming, Mocking, and Writing "as if"

ROMANIA 152 - Survey of Romanian Literature

RUSSN CM124G - Studies in Russian Literature: Gogol

UKRN 152 - Ukrainian Literature

Policies

The Minor Policies

With approval of the undergraduate adviser, other related upper-division courses may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Russian Language Minor

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Level

Undergraduate

Entry to the Minor

Admission

To enter the Russian Language minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (9 to 17 units)

INTERMEDIATE RUSSIAN

Select one course from the following or demonstrate equivalent proficiency:

RUSSN 6 - Intermediate Russian

RUSSN 20 - Intensive Intermediate Russian

ELECTIVE

Select one course from:

RUSSN 25 - Great Russian Novel

RUSSN 25W - Great Russian Novel

RUSSN 90A - Introduction to Russian Civilization

RUSSN 90B - Russian Civilization in 20th Century

RUSSN 90BW - Russian Civilization in 20th Century

Required Upper-Division Courses (20 to 23 units)

Select one of the following options:

OPTION 1

Russian 101 series

RUSSN 101A - Third-Year Russian

RUSSN 101B - Third-Year Russian

RUSSN 101C - Third-Year Russian

Additional Russian Language or Literature

Complete two additional Russian language or literature courses.

OPTION 2

Russian 100 series

RUSSN 100A - Literacy in Russian

RUSSN 100B - Literacy in Russian

RUSSN 100C - Literacy in Russian

Additional Russian Language or Literature

Complete two additional Russian language or literature courses.

OPTION 3

Select five Russian language and literature courses with a minimum of three courses in Russian language from:

RUSSN 102A - Topics in Advanced/Superior Russian

RUSSN 102B - Topics in Advanced/Superior Russian

RUSSN 102A - Topics in Advanced/Superior Russian

RUSSN 103A - Russian for Native and Near-Native Speakers: Russian National Identity

RUSSN 103B - Russian for Native and Near-Native Speakers: Literature and Film

RUSSN 103C - Russian for Native and Near-Native Speakers: Special Topics

RUSSN 107A - Russian for Social and Cultural Studies

RUSSN 107B - Russian for Social and Cultural Studies

RUSSN 107C - Russian for Social and Cultural Studies

RUSSN 130A - Russian Poetry: Introduction to Analysis of Russian Poetry

RUSSN 130B - Russian Poetry: Poetry of Russian Neoclassicism, Romanticism, and Realism

RUSSN 130C - Russian Poetry: Russian Poetry in the 20th Century

RUSSN 140A - Russian Prose Fiction: Introduction to Analysis of Russian Narrative Prose

RUSSN 140B - Russian Prose Fiction: Russian Romantic Prose

RUSSN 140C - Russian Prose Fiction: Great Realists

RUSSN 140D - Russian Prose Fiction: 20th-Century Modernism

Policies

The Minor Policies

Students may petition to substitute courses after consulting with the undergraduate adviser.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Russian Literature Minor

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Level

Undergraduate

Entry to the Minor

Admission

To enter the Russian Literature minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (9 to 17 units)

ELEMENTARY RUSSIAN

Select one course from the following or demonstrate equivalent proficiency:

- RUSSN 3 - Elementary Russian
- RUSSN 10 - Intensive Elementary Russian

ELECTIVE

Select one course from:

- RUSSN 25 - Great Russian Novel
- RUSSN 25W - Great Russian Novel
- RUSSN 30 - Russian Literature and World Cinema
- RUSSN 31 - Introduction to Russian Film
- RUSSN 32 - Russia and Asia: Cultural Dialogues
- RUSSN 90A - Introduction to Russian Civilization
- RUSSN 90B - Russian Civilization in 20th Century
- RUSSN 90BW - Russian Civilization in 20th Century

Required Upper-Division Courses (20 units)

Complete five Russian language and literature courses, including at least two selected from:

- RUSSN M118 - History of Russia, Origins to Rise of Muscovy
- RUSSN 119 - Golden Age and Great Realists
- RUSSN 120 - Literature and Revolution
- RUSSN 130A - Russian Poetry: Introduction to Analysis of Russian Poetry

RUSSN 130B - Russian Poetry: Poetry of Russian Neoclassicism, Romanticism, and Realism

RUSSN 130C - Russian Poetry: Russian Poetry in the 20th Century

RUSSN 140A - Russian Prose Fiction: Introduction to Analysis of Russian Narrative Prose

RUSSN 140B - Russian Prose Fiction: Russian Romantic Prose

RUSSN 140C - Russian Prose Fiction: Great Realists

RUSSN 140D - Russian Prose Fiction: 20th-Century Modernism

Policies

The Minor Policies

Students may petition to substitute courses after consulting with the undergraduate adviser.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Russian Studies Minor

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Level

Undergraduate

Entry to the Minor

Admission

To enter the Russian Studies minor, students must have an overall grade-point average of 2.0 or better.

Minor Requirements

The Minor

Required Lower-Division Courses (9 to 17 units)

ELEMENTARY RUSSIAN

Select one course from the following or demonstrate equivalent proficiency:

RUSSN 3 - Elementary Russian

RUSSN 10 - Intensive Elementary Russian

ELECTIVE

Select one course from:

RUSSN 25 - Great Russian Novel

RUSSN 25W - Great Russian Novel

RUSSN 30 - Russian Literature and World Cinema

RUSSN 31 - Introduction to Russian Film

RUSSN 32 - Russia and Asia: Cultural Dialogues

RUSSN 90A - Introduction to Russian Civilization

RUSSN 90B - Russian Civilization in 20th Century

RUSSN 90BW - Russian Civilization in 20th Century

Required Upper-Division Courses (20 units)

Complete five courses in Russia-related fields, with a minimum of three courses selected from:

HIST M127A - History of Russia, Origins to Rise of Muscovy

HIST 127B - History of Russia: Imperial Russia from Peter the Great to Nicholas II

HIST 127C - History of Russia: Revolutionary Russia and Soviet Union

HIST 127D - History of Russia: Culture and Society in Imperial Russia

POL SCI 156A - Government and Politics of Post-Communist States: Russia

Policies

The Minor Policies

Students may petition to substitute courses after consulting with the undergraduate adviser.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Slavic, East European, and Eurasian Languages and Cultures MA, CPhil, PhD

College / School

College of Letters and Science

Department

Slavic, East European, and Eurasian Languages and Cultures

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Candidate in Philosophy, Master of Arts

Overview

The graduate program provides advanced training in Slavic literatures and linguistics leading to the MA and PhD degrees in Slavic, East European, and Eurasian Languages and Cultures. The primary task of the department faculty is to develop and refine the critical and analytic skills of its students in preparation for productive careers in college teaching and research in the Slavic field. Alternative careers include language teaching, business, translation, interpreting, librarianship, and government service.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Social Science Overview

You're now viewing the 2024-25 Catalog

Interdepartmental Program
College of Letters and Science

2500 Public Affairs Building
Box 957174
Los Angeles, CA 90095-7174

Social Science
310-825-3565

Juliet A. Williams, PhD, *Chair*

The Division of Social Sciences is home to leading researchers working to advance understanding of human societies around the globe. With over 250 faculty members housed in more than 15 departments and programs, the division encourages students to explore diverse perspectives and approaches to the study of social life.

The Social Science interdepartmental program offers the Master of Social Science (MSS) self-supporting degree. Drawing from current theories, methods, and professional practices from across the social sciences, students develop proficiency with quantitative and qualitative research methods used to address complex social problems. The intensive one-year curriculum emphasizes creative problem-solving and collaborative research practices. Graduates will be prepared for academic and professional careers.

Social Science Faculty Committee

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Andrew Apter, PhD *(Anthropology, History)*
Robin L.H. Derby, PhD *(History)*
Kelly A. Kay, PhD *(Geography)*
Tamar Kremer-Sadlik, PhD *(Anthropology)*
Davide Panagia, PhD *(Political Science)*
Brooke A. Scelza, PhD *(Anthropology)*
David Delgado Shorter, PhD *(Anthropology, World Arts and Cultures/Dance)*
Juliet A. Williams, PhD *(Gender Studies)*
Brian M. Wood, PhD (*Anthropology*)
Min Zhou, PhD *(Asian American Studies, Sociology)*

Major

Master of Social Science

College / School

College of Letters and Science

Department

Social Science

Degree Level

Graduate

Degree Objective

Master of Social Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Social Thought Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
College of Letters and Science

A316 Murphy Hall
Box 951430
Los Angeles, CA 90095-1430

Social Thought
310-267-5430
Minor Adviser

Jeffrey J. Guhin, PhD, ***Chair***

The Social Thought minor helps students to think better: to think more deeply and more critically, drawing on the intellectual resources of major thinkers from around the world. Emphasizing social and political thought from the 17th century to today, students read widely to develop an original argument about social life, culminating in a thesis project that is an original contribution to scholarship.

The minor builds on lower-division introductory exposure to the history of modern ideas as embodied in a number of key texts by significant thinkers such as Darwin, Descartes, de Beauvoir, Du Bois, Freud, Hobbes, Locke, Marx, Mill, Nietzsche, Rousseau, Said, Smith, Weber, and Wollstonecraft. Building upon these foundations, students are encouraged to read widely and make connections to intellectuals who are not traditionally considered part of the canon of North Atlantic thought, especially thinkers from the Global South, indigenous communities, and historically marginalized groups.

Insisting that the best way to develop one's thoughts is to write about them, the minor culminates in a two-term capstone project, a thesis of at least 5,000 words, under the direction of a UCLA faculty mentor. Students from all majors are encouraged to join the Social Thought minor. The Social Thought minor is about asking big questions about big ideas, and writing answers to those questions.

Social Thought Faculty Committee

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Stephanie Bosch Santana, PhD *(Comparative Literature)*
Cécile Guédon, PhD *(European Languages and Transcultural Studies)*
Jeffrey J. Guhin, PhD *(Sociology)*
Barbara Herman, PhD, MA *(Law, Philosophy, Society and Genetics)*
Mitchum A. Huehls, PhD *(English)*
Jeffrey Prager, PhD *(Sociology)*

Minor

Social Thought Minor

College / School
College of Letters and Science

Department
Social Thought

Level

Undergraduate

Entry to the Minor

Admission

The Social Thought minor is limited to students who formally apply and are admitted. To apply, students must meet with the academic adviser, and submit an application, a letter of recommendation from a faculty mentor, and an application essay to the College Academic Counseling Office, A316 Murphy Hall.

To enter the minor, students must have an overall grade-point average of 2.0 or better and apply for admission only after successfully completing the following lower-division requirements: Clusters 21A and

21B, or two courses from German 56, Honors Collegium 20, 21W, 55, 57, 83W, Philosophy 6, Political Science 10, Sociology 10.

Minor Requirements

The Minor

Required Upper-Division Courses (16 to 20 units):

Select four courses spanning at least two different departments from:

AF AMER M114C - African American Political Thought

ANTHRO 100 - History of Anthropology

ANTHRO 131 - Critical Social Theory

CESC M115 - Citizenship and Public Service

CLASSIC M124 - Modern Receptions of Ancient Political Thought

ECON 107 - History of Economic Theory

HIST 122A - Cultural and Intellectual History of Modern Europe, 15th Century

HIST 122C - Cultural and Intellectual History of Modern Europe, 17th Century

HIST 122D - Cultural and Intellectual History of Modern Europe, 18th Century

HIST M122E - Cultural and Intellectual History of Modern Europe, 19th Century

HIST 122F - Cultural and Intellectual History of Modern Europe, 20th Century

HIST 131A - Marxist Theory and History

HIST 142A - Intellectual History of U.S.

HIST 142B - Intellectual History of U.S.

HNRS 110 - Marxist and Post-Marxist Approaches to Cultural Studies

PHILOS 151A - History of Ethics: Selected Classics in Ancient Ethical Theories—Plato, Aristotle

PHILOS C151B - History of Ethics: Modern

PHILOS 153A - Topics in Ethical Theory: Normative Ethics

PHILOS C153B - Topics in Ethical Theory: Metaethics

PHILOS 154 - Topics in Value Theory: Rationality and Action

PHILOS C156 - Topics in Political Philosophy

POL SCI M111A - Ancient and Medieval Political Theory

POL SCI 111B - Early Modern Political Theory

POL SCI 111C - Late Modern Political Theory

POL SCI 112A - Democratic Theory

POL SCI M112B - Invention of Democracy

POL SCI 113A - Problems in 20th-Century and Contemporary Political Theory

POL SCI 113B - Politics, Theory, and Film

POL SCI 114A - American Political Thought I, 1620 to 1865

POL SCI M115C - Citizenship and Public Service

POL SCI 116A - Marxism

POL SCI 116B - Continental Political Thought

POL SCI 119 - Special Studies in Political Theory

POL SCI M119A - Modern Receptions of Ancient Political Thought

POL SCI M180A - African American Political Thought

SOCIOL 101 - Development of Sociological Theory

SOCIOL 102 - Contemporary Sociological Theory

Required Research Colloquia and Senior Thesis (12 units)

Students must also complete Social Thought 190A and 199A in one term and courses 190B and 199B in the following term:

SOC THT 190A - Research Colloquia in Social Thought I

SOC THT 190B - Research Colloquia in Social Thought II

SOC THT 199A - Directed Research or Senior Thesis in Social Thought I

SOC THT 199B - Directed Research or Senior Thesis in Social Thought II

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. No more than two courses (8 to 10 units) may be applied toward both this minor and a major or minor in another department or program.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Social Welfare Overview

You're now viewing the 2024-25 Catalog

Meyer and Renee Luskin School of Public Affairs

3357 Public Affairs Building
Box 951656
Los Angeles, CA 90095-1656

Social Welfare
310-825-2892

Poco D. Kernsmith, PhD, ***Chair; Director, MSW Program***
Todd M. Franke, PhD, ***Chair, Doctoral Program***
Susan Lares-Nakaoka, MSW, PhD, MA, ***Director, Field Education***
Laura Alongi Brinderson, MSW, ***Associate Director, MSW Education***

The primary objectives of the Department of Social Welfare graduate program are to prepare leaders for the profession of social work and to develop the empirical base for all facets of practice. In response to changing demographic trends and the emergence of new social problems, the department provides leadership in the areas of policy, practice, and research and in the development of an innovative curriculum for training students and professionals to meet the service needs of a multicultural clientele.

The educational program is based on the premise that all students need to acquire a common body of knowledge and basic skills, and a common understanding of the philosophy and values of the profession. These then form a sound foundation for the development of more specialized knowledge and skills along the lines of each student's interests and the needs of the field.

Students are encouraged to take advantage of the resources within UCLA by selecting elective courses in related disciplines. In addition, as a department within the Luskin School of Public Affairs, the program affords students instructional opportunities in the other affiliated departments—Public Policy and Urban Planning.

Beyond national opportunities in the profession of social work, there is increasing demand for qualified and experienced social workers to serve in the international field, where many social service programs are conducted under the auspices of the United Nations, the U.S. government, and national sectarian organizations. Graduates of the doctoral program generally secure appointments at major universities or research centers.

The challenge to the department, the profession, and those who join us as students is to prepare to forge the paths, build the bridges, and shape the future to ensure that all individuals, families, and communities enjoy better education, better health care, better job training, and better economic futures.

Social Welfare Faculty Roster

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Professors

Laura S. Abrams, PhD
Ron Avi Astor, MSW, PhD
David Cohen, PhD
Todd M. Franke, PhD
Ian W. Holloway, MSW, MPH, PhD
Poco D. Kernsmith, PhD
Ananya Roy, PhD *(Meyer and Renee Luskin Professor of Inequality and Democracy)*
Laura Wray-Lake, PhD

Professors Emeriti

Rosina M. Becerra, PhD
A.E. Benjamin, PhD
Diane S. de Anda, PhD
Alfreda P. Iglehart, PhD
Aurora P. Jackson, PhD
Mark S. Kaplan, DrPH
Stuart A. Kirk, DSW *(Marjorie Crump Professor Emeritus of Social Welfare)*
James E. Lubben, MSW, MPH, DSW
Ailee Moon, PhD
Alex J. Norman, DSW
Robert F. Schilling, PhD
Leonard Schneiderman, PhD
Fernando M. Torres-Gil, PhD

Associate Professors

Leyla Karimli, PhD
Lené F. Levy-Storms, MPH, PhD
Amy E. Ritterbusch, PhD
Carlos E. Santos, PhD
Bianca D.M. Wilson, PhD

Assistant Professors

Tatiana Londoño, PhD
Judith L. Perrigo, LCSW, PhD
Cindy C. Sangalang, MSW, PhD
Latoya A. Small, PhD
Sicong (Summer) Sun, MSW, PhD
David C. Turner III, PhD

Lecturer

Jené A. Moio, MSW, PhD

Adjunct Professors

Helmut K. Anheier, PhD
Jorja J. Leap, PhD

Adjunct Assistant Professors

Khush E. Cooper, MSW, PhD
Ayako Miyashita Ochoa, JD

Fieldwork Consultants

Laura Alongi, LCSW
Larthia R. Dunham, MSW
Woo K. (Toby) Hur, MSW
Tranishia L. James, LCSW

Hector R. Palencia, LCSW

Michelle Talley, MSW

Major

Master of Social Welfare

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Social Welfare

Degree Level

Graduate

Degree Objective

Master of Social Welfare

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

- 0100 - Asian American Studies MA
- 0501 - Juris Doctor
- 0789 - Master of Public Health
- 0790 - Master of Public Policy

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Major

Social Welfare PhD

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Social Welfare

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Institute for Society and Genetics Overview

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Center for Interdisciplinary Instruction
College of Letters and Science

3360 Life Sciences
Box 957221
Los Angeles, CA 90095-7221

Society and Genetics
310-267-4990
Program e-mail

Aaron L. Panofsky, PhD, ***Director***
Jessica W. Lynch, PhD, ***Vice Chair, Undergraduate Education***

The Human Biology and Society majors provide a rigorous interdisciplinary education in current issues at the intersection of human biology, genetics, and society where bridging the institutional divide between the life sciences and human sciences (humanities and social sciences) is necessary.

The teaching strategy emphasizes the value of synthetic, integrative thinking. Learning can best be organized synthetically around the sorts of knowledge and skills required to investigate and address such problems rather than by building up from the stepwise sequences of traditional disciplines. Preparation for the majors is centered on three areas of study that together prepare students to solve problems at the intersection of biology and society: genes and gene expression; human evolutionary biology; and society, diversity, and identity. The majors provide an important integrative space where different ways of knowing in the human and life sciences are explored, interrelated, and applied. Core and capstone courses emphasize problem-based learning about pressing issues that inextricably link society, culture, and

biology, such as medical privacy rights, gene patents, regulation of stem cell research, and questions of race, gender, and identity.

Programmatically, the majors consist of required elements that develop critical thinking skills, knowledge, and excellence in written and spoken communication; and extracurricular involvement in academic research and corporate/community internship. The mission is to educate students who become leaders in diverse areas such as law, medicine, humanities, social sciences, and biological sciences, and to have them interact and work together to form a deep understanding of the issues at the intersection of human social systems, evolutionary biology, and genetics.

The minor in Society and Genetics provides undergraduate students with the opportunity to understand and probe the complex problems and possibilities presented by modern genetics, with special attention to their social context and content. Given the dynamic interaction between genetics and the social world in which it is embedded, the minor is of necessity multidisciplinary and emphasizes a collaborative cross-disciplinary approach to instruction in the core courses of the minor and exposure to a wide range of disparate scholarship through elective courses available in such areas as anthropology, biology, history, philosophy, public policy, and sociology.

Institute for Society and Genetics Faculty Roster

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Professors

Michael E. Alfaro, PhD
Patrick Allard, PhD
Soraya de Chadarevian, PhD
Wayne W. Grody, MD, PhD
Martie G. Haselton, PhD
Terence D. Keel, PhD
Christopher M. Kelty, PhD
Russell Korobkin, JD *(Richard C. Maxwell Professor of Law)*
Hannah L. Landecker, PhD
Rachel C. Lee, PhD
Jessica W. Lynch, PhD
Megan M. McEvoy, PhD
Christina G.S. Palmer, PhD, *in Residence*
Aaron L. Panofsky, PhD
Alexandra M. Stern, PhD
Stefan Timmermans, PhD

Professors Emeriti

Joan B. Silk, PhD
Matthew Norton Wise, PhD

Associate Professors

Nanibaa' A. Garrison, PhD
Bharat J. Venkat, PhD

Assistant Professors

Danielle J. Carr, PhD
Nicholas E. Shapiro, PhD
Valerie A. Tornini, PhD

Lecturer PSOE

Michelle A. Rensel, PhD

Major

Human Biology and Society BA

College / School

College of Letters and Science

Department

Society and Genetics, Institute for

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated strong foundation of knowledge in social science and evolutionary biology and genetics

2. Skills to critically analyze and evaluate qualitative and quantitative data and social biological theories

3. Formulation of effective and convincing written and oral arguments that integrate biological and social evidence

4. Work well in multidisciplinary teams

5. Skills at communicating across disciplines and leveraging knowledge from multiple perspectives

6. Demonstrated proficiency in at least one area of concentration at the interface between biology and society

7. Integration of ethical, legal, and societal concerns in planning, conducting, and assessing research

8. Use of societal and biological information to critically assess complex real-world problems and to employ interdisciplinary skills to help solve them

Entry to the Major

Admission

Admission to the Human Biology and Society BA major is by application and competitive, using courses, grades, grade-point averages, and personal statements as minimum standards for consideration. Only a limited number of students are admitted each year. Applicants are not automatically accepted into the major.

Students must apply for major standing at the beginning of spring quarter of their sophomore year. Applications submitted after the spring quarter deadline are considered during fall quarter of the junior year only as space in the program permits. No applications are considered after fall quarter of the junior year.

Pre-major standing is not required to apply for the major. A copy of the major application is available on the department major web page.

Pre-Major

Incoming first years may be admitted as pre-majors on acceptance to UCLA. All other students must first complete Society and Genetics 5, M71A, or M72A, and then contact the undergraduate counselor in 3360 Life Sciences to request pre-major standing.

Transfer Students

Transfer applicants to the Human Biology and Society BA major with 90 or more units must complete the following preparatory courses prior to admission to UCLA: one year of general biology (the equivalent of Life Sciences 7A, 7B, and 7C), introductory chemistry, one statistics course, one anthropology human evolution course, and two introductory social sciences or history courses. Society and Genetics 5 must be taken at UCLA once a transfer student is admitted to the University.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete one core course, six required courses, and four social theory courses as follows:

Core Course

Select one course from:

- SOC GEN 5 - Integrative Approaches to Human Biology and Society
- SOC GEN M71A - Biotechnology and Society
- SOC GEN M72A - Sex from Biology to Gendered Society

Required Courses

Complete six courses as follows:

ANTHROPOLOGY

Complete the following course:

ANTHRO 1 - Human Evolution

CHEMISTRY

Select one course from:

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14AE - General Chemistry for Life Scientists I—Enhanced

LIFE SCIENCES

Complete the following three courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

STATISTICS

Select one course from:

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Social Theory Courses

Select four courses (minimum of 16 units) from the following courses or range:

COURSES

Only one course from Asian American Studies 10 or 10W may be applied. Only one course from Asian American Studies 20 or 20W may be applied. Only one course from Asian American Studies 40 or 40W may be applied. Only one course from Asian American Studies 50 or 50W may be applied. Only one course from Philosophy 22 or 22W may be applied.

AF AMER 1 - Introduction to Black Studies

AF AMER M5 - Social Organization of Black Communities

AF AMER 6 - Trends in Black Intellectual Thought

AM IND M10 - Introduction to American Indian Studies

ANTHRO 3 - Culture and Society

ASIA AM 10 - History of Asian Americans

ASIA AM 10W - History of Asian Americans

ASIA AM 20 - Contemporary Asian American Communities

ASIA AM 20W - Contemporary Asian American Communities

ASIA AM 40 - Asian American Movement

ASIA AM 40W - Asian American Movement

ASIA AM 50 - Asian American Women

ASIA AM 50W - Asian American Women

CCAS 10A - Introduction to Chicana/Chicano Studies: History and Culture

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

ENGL M30 - Environmental Literature and Culture

ENVIRON M30 - Environmental Literature and Culture

GENDER 10 - Introduction to Gender Studies

GEOG 3 - Cultural Geography

HIST 3A - History of Science: Renaissance to 1800

HIST 3B - History of Science: Enlightment to 1900

HIST 3C - History of Science: 20th Century

HIST 3D - History of Modern Medicine

HIST 12A - Inequality: History of Mass Imprisonment

HIST 12B - Inequality: History of Neoliberalism

HIST 12C - Inequality: Global History of Anti-Colonial Thought and Struggle

HNRS 70A - Genetic Engineering in Medicine, Agriculture, and Law

LBR STD M1A - Work, Labor, and Social Justice in U.S.

LBR STD M1B - Work, Labor, and Social Justice in U.S.

LBR STD M1CW - Work, Labor, and Social Justice in U.S.: Special Topics

LBR STD 10 - Introduction to Labor and Workplace Studies

MCD BIO 50 - Stem Cell Biology, Politics, and Ethics: Teasing Apart Issues

MCD BIO 60 - Biomedical Ethics

PHILOS 3 - Historical Introduction to Philosophy

PHILOS 4 - Philosophical Analysis of Contemporary Moral Issues

PHILOS 6 - Introduction to Political Philosophy

PHILOS 7 - Introduction to Philosophy of Mind

PHILOS 8 - Introduction to Philosophy of Science

PHILOS 22 - Introduction to Ethical Theory

PHILOS 22W - Introduction to Ethical Theory

POL SCI 10 - Introduction to Political Theory

POL SCI 40 - Introduction to American Politics

PUB AFF 10 - Social Problems and Social Change

PUB AFF 20 - Power, Politics, and Policy Change

PUB AFF 30 - Comparative Analysis of Wealth, Policy, and Power

PUB AFF 80 - How Social Environments Shape Human Development

SOC GEN 125 - Critical Study of Health, Sickness, and Healing in Global Perspective

SOCIOL 1 - Introductory Sociology

SOCIOL M5 - Social Organization of Black Communities

CLUSTERS

Clusters M1A through 80CW

The Major

Complete 11 to 12 courses as follows:

Required Society and Genetics Courses

Complete the following four courses:

SOC GEN 102 - Societal and Medical Issues in Human Genetics

SOC GEN 105A - Ways of Knowing in Life and Human Sciences

SOC GEN 105B - Problems of Identity at Biology/Society Interface

Society and Genetics 195CE, 196, or 199

Complete 4 units from the following courses:

SOC GEN 195CE - Community and Corporate Internships in Society and Genetics

SOC GEN 196 - Research Apprenticeship in Society and Genetics

SOC GEN 199 - Directed Research in Society and Genetics

Electives

Select six courses (minimum 24 units) with at least 2 courses (8 units) from society and genetics from:

AN N EA 162 - Archaeology, Identity, and Bible

AN N EA CM163 - Archaeology of Iran

ANTHRO 100 - History of Anthropology

ANTHRO 110 - Principles of Archaeology

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 126Q - Evolution of Genus Homo

ANTHRO 128P - Primate Behavior Nonhuman to Human

ANTHRO M128Q - Animal Communication

ANTHRO M128S - Primate Genetics, Ecology, and Conservation

ANTHRO M128T - Amazon in Anthropocene

ANTHRO 131 - Critical Social Theory

ANTHRO 143 - Economic Anthropology

ANTHRO M145P - Marriage, Family, and Kinship

ANTHRO 145S - Culture, Gender, Sexuality

ANTHRO M148 - (When) Do Leaders Make Differences?

ANTHRO M150 - Language in Culture

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ARABIC M171 - Culture Area of Maghrib (North Africa)

ASIA AM 113 - Asian Americans and Law

ASIA AM M117 - Asian American Personality and Mental Health

CCAS CM106 - Health in Chicano/Latino Population

CCAS M124 - Latinx Immigration Policy and Politics

CCAS CM182 - Understanding Whiteness in American History and Culture

COMM 101 - Freedom of Communication

COMM 126 - Evolution of Interpersonal Communication

COMM M127 - Animal Communication

COMM 148 - Marketing Communications

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

DIS STD 101W - Perspectives on Disability Studies

DIS STD M121 - Topics in Gender and Disabilities

DIS STD M148 - Sociology of Mental Illness

DIS STD M166 - Health-Care Ethics

DIS STD M183 - Being Human: Identity and Mental Illness

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL C135 - Population Genetics

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 176 - Ecological Ethics

ENGL M118F - Food Cultures and Food Politics

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M133 - Environmental Sociology

ENV HLT 100 - Introduction to Environmental Health

ENV HLT C185A - Foundations of Environmental Health Sciences

ENV HLT C185B - Foundations of Environmental Health Sciences for Public Health Professionals

EPIDEM 100 - Principles of Epidemiology

FOOD ST M132 - Food Cultures and Food Politics

FOOD ST M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

GENDER M110C - Topics in Feminist Philosophy: Metaphysics and Epistemology

GENDER M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

GENDER M121 - Topics in Gender and Disabilities

GENDER 125 - Perspectives on Women's Health

GENDER 134 - Gender, Science, and Theory

GENDER M154P - Marriage, Family, and Kinship

GENDER M162 - Sociology of Gender

GENDER M164 - Politics of Reproduction and Everyday Life

GENDER M165 - Psychology of Gender

GENDER M167 - Contested Sexualities

GENDER 171A - Women, Gender, and Law: Jurisprudence of Sexual Equality

GENDER M180B - Historical Perspectives on Gender and Science

GEOG M125 - Environmentalism: Past, Present, and Future

GEOG M131 - Human Impact on Biophysical Environment

GEOG M142 - (When) Do Leaders Make Differences?

GLBL ST 102 - Globalization: Markets and Resources

GLBL ST 104 - Globalization: Culture and Society

HIST M108C - Culture Area of Maghrib (North Africa)

HIST M151C - Understanding Whiteness in American History and Culture

HIST 164D - Topics in African History: Africa and Diaspora in Global and Comparative Perspective

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST 180A - Topics in History of Science

HIST M180B - Historical Perspectives on Gender and Science

HIST 180C - Science and Technology in 20th Century

HIST 191B - Capstone Seminar: History—Medieval

HIST 191C - Capstone Seminar: History—Europe

HIST C191D - Topics in History: U.S.

HIST 191E - Capstone Seminar: History—Latin America

HIST C191F - Topics in History: Near East

HIST 191G - Capstone Seminar: History—East Asia

HIST 191I - Capstone Seminar: History—Science/Technology

HIST C191J - Topics in History: Africa

HIST C191K - Topics in History: History of Religions

HIST C191L - Topics in History: Jewish History

HIST 191M - Capstone Seminar: History—Southeast Asia

HIST C191N - Topics in History: India

HIST C191O - Topics in History: World

HNRS M143 - Latinx Immigration Policy and Politics

HNRS M152 - (When) Do Leaders Make Differences?

HNRS 177 - Biotechnology and Art

HNRS M183 - Being Human: Identity and Mental Illness

HUM GEN CM113 - Ethical, Legal, and Societal Topics in Genetic Counseling

HUM GEN C144 - Genomic Technology

LGBTQS M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

LING 110 - Introduction to Historical Linguistics

LING 114 - American Indigenous Linguistics

LING 127 - Syntactic Typology and Universals

LING 130 - Language Development

LING 132 - Language Processing

LING C135 - Neurolinguistics

LING M146 - Language in Culture

LING M150 - Introduction to Indo-European Linguistics

LING 170 - Language and Society: Introduction to Sociolinguistics

MED HIS M169 - History of Neurosciences

MIMG 101 - Introductory Microbiology

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG C122 - Mouse Molecular Genetics

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG 185A - Immunology

MCD BIO 138 - Developmental Biology

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO CM156 - Human Genetics and Genomics

MCD BIO 165A - Biology of Cells

MCD BIO 168 - Stem Cell Biology

MCD BIO 172 - Genomics and Bioinformatics

NEURBIO M169 - History of Neurosciences

NEUROSC 180 - Genetic, Molecular, and Genomic Approaches to Neural Development and Disease

PHILOS M124 - Philosophy of Science: Historical

PHILOS 125 - Philosophy of Science: Contemporary

PHILOS 129 - Philosophy of Psychology

PHILOS 130 - Philosophy of Space and Time

PHILOS 137 - Philosophy of Biology

PHILOS 150 - Society and Morals

PHILOS 153A - Topics in Ethical Theory: Normative Ethics

PHILOS 154 - Topics in Value Theory: Rationality and Action

PHILOS C154B - Topics in Value Theory: Moral Responsibility and Free Will

PHILOS 155A - Medical Ethics

PHILOS 155B - Topics in Medical Ethics

PHILOS C156 - Topics in Political Philosophy

PHILOS 157A - History of Political Philosophy

PHILOS 157B - History of Political Philosophy

PHILOS 170 - Philosophy of Mind

PHILOS M187 - Topics in Feminist Philosophy: Metaphysics and Epistemology

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI 177 - Neuroethology

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 110 - Fundamentals of Learning

PSYCH 112A - Basic Processes of Motivated Behavior

PSYCH 112B - Psychobiology of Fear and Anxiety

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH M117A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PSYCH M117B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 127A - Clinical Psychological Science

PSYCH 129C - Culture and Mental Health

PSYCH M140 - Introduction to Study of Aging

PSYCH M165 - Psychology of Gender

PUB HLT M106 - Health in Chicano/Latino Population

PUB HLT C150 - Fundamentals of Public Health

SOC WLF M140 - Introduction to Study of Aging

SOC WLF 162 - Health Policy and Services

SOC GEN 108 - Human Biology, Genetics, and Society

SOC GEN M113 - Ethical, Legal, and Societal Topics in Genetic Counseling

SOC GEN 120 - Genetics and Human History

SOC GEN 121 - Race, Science, and Citizenship

SOC GEN 130 - Biotechnology and Society

SOC GEN M132 - Food Cultures and Food Politics

SOC GEN M133 - Environmental Sociology

SOC GEN 134 - Food and Health in Global Perspective

SOC GEN M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

SOC GEN 141 - Nature versus Nurture: Genes and Environment

SOC GEN M142 - Primate Genetics, Ecology, and Conservation

SOC GEN M143 - Amazon in Anthropocene

SOC GEN 146 - Evolution in Anthropocene

SOC GEN M157 - Biology of Superheroes: Exploring Limits of Form and Function

SOC GEN 160 - Politics of Heredity

SOC GEN 161 - Controversy and Behavior Genetics

SOC GEN 162 - Biotechnologies, Law, and Body

SOC GEN 163 - Science and Popular Movements: Controversy, Conflict, and Collaboration

SOC GEN 164 - Ethics in Health and Research

SOC GEN 165 - Introduction to Bioethics

SOC GEN M166 - Health-Care Ethics

SOC GEN 174 - What's Wrong with Science?

SOC GEN 175 - Current Directions in Social and Historical Study of Science

SOC GEN 180 - Special Courses in Society and Genetics

SOC GEN M183 - Being Human: Identity and Mental Illness

SOC GEN 188 - Special Courses in Society and Genetics

SOC GEN 195CE - Community and Corporate Internships in Society and Genetics

SOC GEN 197 - Individual Studies in Society and Genetics

SOC GEN 199 - Directed Research in Society and Genetics

SOCIOL M115 - Environmental Sociology

SOCIOL 130 - Self and Society

SOCIOL 132 - Social Psychology: Sociological Approaches

SOCIOL 134 - Culture and Personality

SOCIOL M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

SOCIOL 138 - Death, Dying, and Afterlife

SOCIOL 143 - Human Health and Society

SOCIOL M144 - Stress and Society: Biology and Inequality

SOCIOL 145 - Sociology of Deviant Behavior

SOCIOL M148 - Sociology of Mental Illness

SOCIOL 154 - Race and Ethnicity in Latin America

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SOCIOL M162 - Sociology of Gender

SOCIOL M164 - Politics of Reproduction and Everyday Life

SOCIOL 170 - Medical Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

Optional Subfocus Areas

The subfocus options are designed and recommended for students who intend a career in medicine or allied health services or are planning to go on to graduate school in the life or health sciences. Students may optionally select any subfocus area as part of the required elective courses for the major.

CELL DEVELOPMENT

Complete the following three courses:

MCD BIO 138 - Developmental Biology

MCD BIO 165A - Biology of Cells

MCD BIO 168 - Stem Cell Biology

ECOLOGY AND EVOLUTIONARY BIOLOGY

Select three courses from:

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 126Q - Evolution of Genus Homo

ANTHRO 128P - Primate Behavior Nonhuman to Human

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL C135 - Population Genetics

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 176 - Ecological Ethics

MICROBIOLOGY AND IMMUNOLOGY

Complete Microbiology 101, C185A, and one course from the following:

Microbiology 101 and C185A

MIMG 101 - Introductory Microbiology

MIMG 185A - Immunology

Additional Courses

Select one course from:

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 106 - Molecular and Genetic Basis of Bacterial Infections

MIMG 107 - Viral Pathogenesis

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MOLECULAR BIOLOGY AND GENOMICS

Complete Molecular, Cell, and Developmental Biology 144, 172, and one course from the following:

Molecular, Cell, and Developmental Biology 144 and 172

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 172 - Genomics and Bioinformatics

Additional Courses

Select one course from:

COM SCI C124 - Machine Learning Applications in Genetics

HUM GEN C144 - Genomic Technology

MIMG C122 - Mouse Molecular Genetics

MIMG 158 - Microbial Genomics

MCD BIO CM156 - Human Genetics and Genomics

PHYSIOLOGY

Complete Physiological Science 111A, 111B, and one course from the following:

Physiological Science 111A and 111B

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

Additional Courses

Select one course from:

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI 177 - Neuroethology

POPULATION GENETICS

Computer Science C124, Ecology and Evolutionary Biology C135, or Society and Genetics 120

Select two courses from:

COM SCI C124 - Machine Learning Applications in Genetics

EE BIOL C135 - Population Genetics

SOC GEN 120 - Genetics and Human History

Ecology and Evolutionary Biology 120, Ecology and Evolutionary Biology 121, or Human Genetics C144

Select one course from:

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

HUM GEN C144 - Genomic Technology

PSYCHOLOGY AND MENTAL HEALTH

Select three courses from:

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 112A - Basic Processes of Motivated Behavior

PSYCH 112B - Psychobiology of Fear and Anxiety

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH 127A - Clinical Psychological Science

PSYCH 129C - Culture and Mental Health

Honors Program

To receive departmental honors, students must take each course in the major for a letter grade and complete all upper-division courses in the major with an overall grade-point average of 3.5 or better. For highest departmental honors, students must complete a research project and receive a grade of A or better in Society and Genetics 108, 197, or 199.

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade, and students must complete all pre-major courses with a cumulative minimum grade-point average of 2.9.

The Major Policies

Each course must be taken for a letter grade and passed with a grade of C– or better, and all courses must be completed with a cumulative minimum grade-point average of 2.0.

Major

Human Biology and Society BS

College / School
College of Letters and Science

Department
Society and Genetics, Institute for

Degree Level
Undergraduate

Degree Objective
Bachelor of Science

Learning Outcomes

1. Demonstrated strong foundation of knowledge in social science and evolutionary biology and genetics

2. Skills to critically analyze and evaluate qualitative and quantitative data and social biological theories

3. Formulation of effective and convincing written and oral arguments that integrate biological and social evidence

4. Demonstrated broad comprehension of mathematical, physical, and life sciences as preparation for medical school

5. Work well in multidisciplinary teams

6. Skills at communicating across disciplines and leveraging knowledge from multiple perspectives

7. Demonstrated proficiency in at least one area of concentration at the interface between biology and society

8. Integration of ethical, legal, and societal concerns in planning, conducting, and assessing research

9. Use of societal and biological information to critically assess complex real-world problems and to employ interdisciplinary skills to help solve them

10. Use of societal and biological information to critically assess complex real-world problems and to employ interdisciplinary skills to help solve them

Entry to the Major

Admission

Admission to the Human Biology and Society BS major is by application and competitive, using courses, grades, grade-point averages, and personal statements as minimum standards for consideration. Only a limited number of students are admitted each year. Applicants are not automatically accepted into the major.

Students must apply for major standing at the beginning of spring quarter of their sophomore year. Applications submitted after the spring quarter deadline are considered during fall quarter of the junior year only as space in the program permits. No applications are considered after fall quarter of the junior year.

Pre-major standing is not required to apply for the major. A copy of the major application is available on the department major web page.

Pre-Major

Incoming first years may be admitted as pre-majors on acceptance to UCLA. All other students must first complete Society and Genetics 5, M71A, or M72A, and then contact the undergraduate counselor in 3360 Life Sciences to request pre-major standing.

Transfer Students

Transfer applicants to the Human Biology and Society BS major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 7A, 7B, and 7C, one year of calculus, one year of general chemistry with laboratory for majors, and one semester of organic chemistry with laboratory.

Transfer applicants must also complete at least two of the following introductory courses prior to admission to UCLA: one statistics course, one anthropology human evolution course, and two introductory social sciences or history courses. A second semester of organic chemistry or one year of calculus-based physics is strongly recommended but not required for admission. Society and Genetics 5 must be taken at UCLA once a transfer student is admitted to the University.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Core Course

Select one course from:

SOC GEN 5 - Integrative Approaches to Human Biology and Society

SOC GEN M71A - Biotechnology and Society

SOC GEN M72A - Sex from Biology to Gendered Society

Anthropology

Complete the following course:

ANTHRO 1 - Human Evolution

Chemistry

Select one of the following series:

CHEMISTRY 14 SERIES

CHEM 14A - General Chemistry for Life Scientists I

CHEM 14B - General Chemistry for Life Scientists II

CHEM 14BL - General and Organic Chemistry Laboratory I

CHEM 14C - Structure of Organic Molecules

CHEM 14D - Organic Reactions and Pharmaceuticals

Enhanced

Chemistry 14AE and 14BE may be substituted for Chemistry 14A and 14B respectively.

CHEM 14AE - General Chemistry for Life Scientists I—Enhanced

CHEM 14BE - General Chemistry for Life Scientists II—Enhanced

CHEMISTRY 20 AND 30 SERIES

CHEM 20A - Chemical Structure

CHEM 20B - Chemical Energetics and Change

CHEM 20L - General Chemistry Laboratory

CHEM 30A - Organic Chemistry I: Structure and Reactivity

CHEM 30AL - General Chemistry Laboratory II

CHEM 30B - Organic Chemistry II: Reactivity, Synthesis, and Spectroscopy

Life Sciences

Complete the following four courses:

LIFESCI 7A - Cell and Molecular Biology

LIFESCI 7B - Genetics, Evolution, and Ecology

LIFESCI 7C - Physiology and Human Biology

LIFESCI 7L - Introduction to Laboratory and Scientific Methodology

Mathematics

Select one of the following series:

LIFE SCIENCES 30 SERIES

Select Life Sciences 40 or Statistics 13.

LIFESCI 30A - Mathematics for Life Scientists

LIFESCI 30B - Mathematics for Life Scientists

LIFESCI 40 - Statistics of Biological Systems

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

MATHEMATICS 3 SERIES

Select Statistics 10 or 13.

MATH 3A - Calculus for Life Sciences Students

MATH 3B - Calculus for Life Sciences Students

MATH 3C - Ordinary Differential Equations with Linear Algebra for Life Sciences Students

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

MATHEMATICS 31 SERIES

Select Mathematics 31A or 31AL. Select Statistics 10 or 13.

MATH 31A - Differential and Integral Calculus

MATH 31AL - Differential and Integral Calculus Laboratory

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

Physics

Select one of the following series:

PHYSICS 1 SERIES

PHYSICS 1A - Physics for Scientists and Engineers: Mechanics

PHYSICS 1B - Physics for Scientists and Engineers: Oscillations, Waves, Electric and Magnetic Fields

PHYSICS 1C - Physics for Scientists and Engineers: Electrodynamics, Optics, and Special Relativity

PHYSICS 4AL - Physics Laboratory for Scientists and Engineers: Mechanics

PHYSICS 4BL - Physics Laboratory for Scientists and Engineers: Electricity and Magnetism

PHYSICS 5 SERIES

PHYSICS 5A - Physics for Life Sciences Majors: Mechanics and Energy

PHYSICS 5B - Physics for Life Sciences Majors: Thermodynamics, Fluids, Waves, Light, and Optics

PHYSICS 5C - Physics for Life Sciences Majors: Electricity, Magnetism, and Modern Physics

Social Theory Courses

Select two social theory courses (minimum 8 units) from the following courses or range:

COURSES

Only one course from Asian American Studies 20 or 20W may be applied. Only one course from Philosophy 22 or 22W may be applied.

AF AMER M5 - Social Organization of Black Communities

AM IND M10 - Introduction to American Indian Studies

ANTHRO 3 - Culture and Society

ASIA AM 20 - Contemporary Asian American Communities

ASIA AM 20W - Contemporary Asian American Communities

CCAS 10A - Introduction to Chicana/Chicano Studies: History and Culture

CCAS 10B - Introduction to Chicana/Chicano Studies: Social Structure and Contemporary Conditions

GENDER 10 - Introduction to Gender Studies

GEOG 3 - Cultural Geography

HIST 3C - History of Science: 20th Century

MCD BIO 50 - Stem Cell Biology, Politics, and Ethics: Teasing Apart Issues

MCD BIO 60 - Biomedical Ethics

PHILOS 4 - Philosophical Analysis of Contemporary Moral Issues

PHILOS 6 - Introduction to Political Philosophy

PHILOS 8 - Introduction to Philosophy of Science

PHILOS 22 - Introduction to Ethical Theory

PHILOS 22W - Introduction to Ethical Theory

PUB AFF 10 - Social Problems and Social Change

SOC GEN 125 - Critical Study of Health, Sickness, and Healing in Global Perspective

SOCIOL 1 - Introductory Sociology

SOCIOL M5 - Social Organization of Black Communities

CLUSTERS

Clusters M1A through 80CW

The Major

Required Courses

Complete the following four courses:

LIFESCI 107 - Genetics

SOC GEN 102 - Societal and Medical Issues in Human Genetics

SOC GEN 105A - Ways of Knowing in Life and Human Sciences

SOC GEN 105B - Problems of Identity at Biology/Society Interface

Society and Genetics 195CE, 196, or 199

Complete 4 units from the following courses:

SOC GEN 195CE - Community and Corporate Internships in Society and Genetics

SOC GEN 196 - Research Apprenticeship in Society and Genetics

SOC GEN 199 - Directed Research in Society and Genetics

Electives

Select six courses (minimum 24 units) with at least 2 coursers (8 units) from society and genetics from:

AN N EA 162 - Archaeology, Identity, and Bible

AN N EA CM163 - Archaeology of Iran

ANTHRO 100 - History of Anthropology

ANTHRO 110 - Principles of Archaeology

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 126Q - Evolution of Genus Homo

ANTHRO 128P - Primate Behavior Nonhuman to Human

ANTHRO M128Q - Animal Communication

ANTHRO M128S - Primate Genetics, Ecology, and Conservation

ANTHRO M128T - Amazon in Anthropocene

ANTHRO 131 - Critical Social Theory

ANTHRO 143 - Economic Anthropology

ANTHRO M145P - Marriage, Family, and Kinship

ANTHRO 145S - Culture, Gender, Sexuality

ANTHRO M148 - (When) Do Leaders Make Differences?

ANTHRO M150 - Language in Culture

ANTHRO M166Q - Culture Area of Maghrib (North Africa)

ARABIC M171 - Culture Area of Maghrib (North Africa)

ASIA AM 113 - Asian Americans and Law

ASIA AM M117 - Asian American Personality and Mental Health

CCAS CM106 - Health in Chicano/Latino Population

CCAS M124 - Latinx Immigration Policy and Politics

CCAS CM182 - Understanding Whiteness in American History and Culture

COMM 101 - Freedom of Communication

COMM 126 - Evolution of Interpersonal Communication

COMM M127 - Animal Communication

COMM 148 - Marketing Communications

COM SCI C121 - Probabilistic Models in Computational Genomics

COM SCI C124 - Machine Learning Applications in Genetics

DIS STD 101W - Perspectives on Disability Studies

DIS STD M121 - Topics in Gender and Disabilities

DIS STD M148 - Sociology of Mental Illness

DIS STD M166 - Health-Care Ethics

DIS STD M183 - Being Human: Identity and Mental Illness

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL C135 - Population Genetics

EE BIOL M157 - Biology of Superheroes: Exploring Limits of Form and Function

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 176 - Ecological Ethics

ENGL M118F - Food Cultures and Food Politics

ENVIRON M125 - Environmentalism: Past, Present, and Future

ENVIRON M133 - Environmental Sociology

ENV HLT 100 - Introduction to Environmental Health

ENV HLT C185A - Foundations of Environmental Health Sciences

ENV HLT C185B - Foundations of Environmental Health Sciences for Public Health Professionals

EPIDEM 100 - Principles of Epidemiology

FOOD ST M132 - Food Cultures and Food Politics

FOOD ST M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

GENDER M110C - Topics in Feminist Philosophy: Metaphysics and Epistemology

GENDER M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

GENDER M121 - Topics in Gender and Disabilities

GENDER 125 - Perspectives on Women's Health

GENDER 134 - Gender, Science, and Theory

GENDER M154P - Marriage, Family, and Kinship

GENDER M162 - Sociology of Gender

GENDER M164 - Politics of Reproduction and Everyday Life

GENDER M165 - Psychology of Gender

GENDER M167 - Contested Sexualities

GENDER 171A - Women, Gender, and Law: Jurisprudence of Sexual Equality

GENDER M180B - Historical Perspectives on Gender and Science

GEOG M125 - Environmentalism: Past, Present, and Future

GEOG M131 - Human Impact on Biophysical Environment

GEOG M142 - (When) Do Leaders Make Differences?

GLBL ST 102 - Globalization: Markets and Resources

GLBL ST 104 - Globalization: Culture and Society

HIST M108C - Culture Area of Maghrib (North Africa)

HIST M151C - Understanding Whiteness in American History and Culture

HIST 164D - Topics in African History: Africa and Diaspora in Global and Comparative Perspective

HIST 179A - Variable Topics in History of Medicine

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST 180A - Topics in History of Science

HIST M180B - Historical Perspectives on Gender and Science

HIST 180C - Science and Technology in 20th Century

HIST 191B - Capstone Seminar: History—Medieval

HIST 191C - Capstone Seminar: History—Europe

HIST C191D - Topics in History: U.S.

HIST 191E - Capstone Seminar: History—Latin America

HIST C191F - Topics in History: Near East

HIST 191G - Capstone Seminar: History—East Asia

HIST 191I - Capstone Seminar: History—Science/Technology

HIST C191J - Topics in History: Africa

HIST C191K - Topics in History: History of Religions

HIST C191L - Topics in History: Jewish History

HIST 191M - Capstone Seminar: History—Southeast Asia

HIST C191N - Topics in History: India

HIST C191O - Topics in History: World

HNRS M143 - Latinx Immigration Policy and Politics

HNRS M152 - (When) Do Leaders Make Differences?

HNRS 177 - Biotechnology and Art

HNRS M183 - Being Human: Identity and Mental Illness

HUM GEN CM113 - Ethical, Legal, and Societal Topics in Genetic Counseling

HUM GEN C144 - Genomic Technology

LGBTQS M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

LING 110 - Introduction to Historical Linguistics

LING 114 - American Indigenous Linguistics

LING 127 - Syntactic Typology and Universals

LING 130 - Language Development

LING 132 - Language Processing

LING C135 - Neurolinguistics

LING M146 - Language in Culture

LING M150 - Introduction to Indo-European Linguistics

LING 170 - Language and Society: Introduction to Sociolinguistics

MED HIS M169 - History of Neurosciences

MIMG 101 - Introductory Microbiology

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG C122 - Mouse Molecular Genetics

MIMG CM156 - Human Genetics and Genomics

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MIMG 185A - Immunology

MCD BIO 138 - Developmental Biology

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO CM156 - Human Genetics and Genomics

MCD BIO 165A - Biology of Cells

MCD BIO 168 - Stem Cell Biology

MCD BIO 172 - Genomics and Bioinformatics

NEURBIO M169 - History of Neurosciences

NEUROSC 180 - Genetic, Molecular, and Genomic Approaches to Neural Development and Disease

PHILOS M124 - Philosophy of Science: Historical

PHILOS 125 - Philosophy of Science: Contemporary

PHILOS 129 - Philosophy of Psychology

PHILOS 130 - Philosophy of Space and Time

PHILOS 137 - Philosophy of Biology

PHILOS 150 - Society and Morals

PHILOS 153A - Topics in Ethical Theory: Normative Ethics

PHILOS 154 - Topics in Value Theory: Rationality and Action

PHILOS C154B - Topics in Value Theory: Moral Responsibility and Free Will

PHILOS 155A - Medical Ethics

PHILOS 155B - Topics in Medical Ethics

PHILOS C156 - Topics in Political Philosophy

PHILOS 157A - History of Political Philosophy

PHILOS 157B - History of Political Philosophy

PHILOS 170 - Philosophy of Mind

PHILOS M187 - Topics in Feminist Philosophy: Metaphysics and Epistemology

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI 177 - Neuroethology

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 110 - Fundamentals of Learning

PSYCH 112A - Basic Processes of Motivated Behavior

PSYCH 112B - Psychobiology of Fear and Anxiety

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH M117A - Neuroscience: From Molecules to Mind—Cellular and Systems Neuroscience

PSYCH M117B - Neuroscience: From Molecules to Mind—Molecular and Developmental Neuroscience

PSYCH M117C - Neuroscience: From Molecules to Mind—Behavioral and Cognitive Neuroscience

PSYCH 127A - Clinical Psychological Science

PSYCH 129C - Culture and Mental Health

PSYCH M140 - Introduction to Study of Aging

PSYCH M165 - Psychology of Gender

PUB HLT M106 - Health in Chicano/Latino Population

PUB HLT C150 - Fundamentals of Public Health

SOC WLF M140 - Introduction to Study of Aging

SOC WLF 162 - Health Policy and Services

SOC GEN 108 - Human Biology, Genetics, and Society

SOC GEN M113 - Ethical, Legal, and Societal Topics in Genetic Counseling

SOC GEN 120 - Genetics and Human History

SOC GEN 121 - Race, Science, and Citizenship

SOC GEN 130 - Biotechnology and Society

SOC GEN M132 - Food Cultures and Food Politics

SOC GEN M133 - Environmental Sociology

SOC GEN 134 - Food and Health in Global Perspective

SOC GEN M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

SOC GEN 141 - Nature versus Nurture: Genes and Environment

SOC GEN M142 - Primate Genetics, Ecology, and Conservation

SOC GEN M143 - Amazon in Anthropocene

SOC GEN 146 - Evolution in Anthropocene

SOC GEN M157 - Biology of Superheroes: Exploring Limits of Form and Function

SOC GEN 160 - Politics of Heredity

SOC GEN 161 - Controversy and Behavior Genetics

SOC GEN 162 - Biotechnologies, Law, and Body

SOC GEN 163 - Science and Popular Movements: Controversy, Conflict, and Collaboration

SOC GEN 164 - Ethics in Health and Research

SOC GEN 165 - Introduction to Bioethics

SOC GEN M166 - Health-Care Ethics

SOC GEN 174 - What's Wrong with Science?

SOC GEN 175 - Current Directions in Social and Historical Study of Science

SOC GEN 180 - Special Courses in Society and Genetics

SOC GEN M183 - Being Human: Identity and Mental Illness

SOC GEN 188 - Special Courses in Society and Genetics

SOC GEN 195CE - Community and Corporate Internships in Society and Genetics

SOC GEN 197 - Individual Studies in Society and Genetics

SOC GEN 199 - Directed Research in Society and Genetics

SOCIOL M115 - Environmental Sociology

SOCIOL 130 - Self and Society

SOCIOL 132 - Social Psychology: Sociological Approaches

SOCIOL 134 - Culture and Personality

SOCIOL M136 - Eating Society: Science and Politics of Food from Individual to Planetary Health

SOCIOL 138 - Death, Dying, and Afterlife

SOCIOL 143 - Human Health and Society

SOCIOL M144 - Stress and Society: Biology and Inequality

SOCIOL 145 - Sociology of Deviant Behavior

SOCIOL M148 - Sociology of Mental Illness

SOCIOL 154 - Race and Ethnicity in Latin America

SOCIOL 156 - Race and Ethnicity in American Life

SOCIOL M162 - Sociology of Gender

SOCIOL M164 - Politics of Reproduction and Everyday Life

SOCIOL 170 - Medical Sociology

URBN PL M165 - Environmentalism: Past, Present, and Future

Optional Subfocus Areas

The subfocus options are designed and recommended for students who intend a career in medicine or allied health services or are planning to go on to graduate school in the life or health sciences. Students may optionally select any subfocus area as part of the required elective courses for the major.

CELL DEVELOPMENT

Complete the following three courses:

MCD BIO 138 - Developmental Biology

MCD BIO 165A - Biology of Cells

MCD BIO 168 - Stem Cell Biology

ECOLOGY AND EVOLUTIONARY BIOLOGY

Select three courses from:

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 126Q - Evolution of Genus Homo

ANTHRO 128P - Primate Behavior Nonhuman to Human

EE BIOL 100 - Introduction to Ecology and Behavior

EE BIOL 116 - Conservation Biology

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL C126 - Behavioral Ecology

EE BIOL 129 - Animal Behavior

EE BIOL 130 - Principles of Systematic Biology

EE BIOL C135 - Population Genetics

EE BIOL 175 - Evolutionary Dynamics of Sex

EE BIOL 176 - Ecological Ethics

MICROBIOLOGY AND IMMUNOLOGY

Complete Microbiology 101, C185A, and one course from the following:

Microbiology 101 and C185A

MIMG 101 - Introductory Microbiology

MIMG 185A - Immunology

Additional Courses

Select one course from:

MIMG 103AL - Research Immersion Laboratory in Virology

MIMG 106 - Molecular and Genetic Basis of Bacterial Infections

MIMG 107 - Viral Pathogenesis

MIMG 158 - Microbial Genomics

MIMG 168 - Molecular Parasitology

MOLECULAR BIOLOGY AND GENOMICS

Complete Molecular, Cell, and Developmental Biology 144, 172, and one course from the following:

Molecular, Cell, and Developmental Biology 144 and 172

MCD BIO 144 - Molecular Biology of Cellular Processes

MCD BIO 172 - Genomics and Bioinformatics

Additional Courses

Select one course from:

COM SCI C124 - Machine Learning Applications in Genetics

HUM GEN C144 - Genomic Technology

MIMG C122 - Mouse Molecular Genetics

MIMG 158 - Microbial Genomics

MCD BIO CM156 - Human Genetics and Genomics

PHYSIOLOGY

Complete Physiological Science 111A, 111B, and one course from the following:

Physiological Science 111A and 111B

PHYSCI 111A - Foundations in Physiological Science

PHYSCI 111B - Foundations in Physiological Science

Additional Coursers

Select one course from:

PHYSCI 147 - Neurobiology of Learning and Memory

PHYSCI 149 - Systems Biology and Mechanisms of Major Cardiometabolic Diseases

PHYSCI 177 - Neuroethology

POPULATION GENETICS

Computer Science C124, Ecology and Evolutionary Biology C135, or Society and Genetics 120

Select two courses from:

COM SCI C124 - Machine Learning Applications in Genetics

EE BIOL C135 - Population Genetics

SOC GEN 120 - Genetics and Human History

Ecology and Evolutionary Biology 120, Ecology and Evolutionary Biology 121, or Human Genetics C144

Select one course from:

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

HUM GEN C144 - Genomic Technology

PSYCHOLOGY AND MENTAL HEALTH

Select three courses from:

PSYCH M107 - Asian American Personality and Mental Health

PSYCH 112A - Basic Processes of Motivated Behavior

PSYCH 112B - Psychobiology of Fear and Anxiety

PSYCH 115 - Principles of Behavioral Neuroscience

PSYCH 127A - Clinical Psychological Science

PSYCH 129C - Culture and Mental Health

Honors Program

To receive departmental honors, students must take each course in the major for a letter grade and complete all upper-division courses in the major with an overall grade-point average of 3.5 or better. For highest departmental honors, students must complete a research project and receive a grade of A or better in Society and Genetics 108, 197, or 199.

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade, and students must complete all pre-major courses with a cumulative minimum grade-point average of 2.5.

The Major Policies

Each course must be taken for a letter grade and passed with a grade of C– or better, and all courses must be completed with a cumulative minimum grade-point average of 2.0.

Minor

Society and Genetics Minor

College / School
College of Letters and Science

Department
Society and Genetics, Institute for

Level

Undergraduate

Entry to the Minor

Admission

Admission to the Society and Genetics minor is by application and competitive, using courses, grades, grade-point averages, and personal statements as minimum standards for consideration. Applicants must be in their junior year and have an overall grade-point average of 2.5 or better. Only a limited number of students are admitted each year. Applicants are not automatically accepted into the minor.

Students must apply for admission to the minor at the beginning of fall quarter of their junior year. No applications are considered after that.

Information about the application process is available on the minor website and by consultation with the undergraduate counselor in 3360 Life Sciences.

Minor Requirements

The Minor

Required Upper-Division Courses

Complete seven upper-division courses (30 to 34 units) as follows:

SOCIETY AND GENETICS

Complete the following three courses. If Life Sciences 107 has been completed, one course from the approved list of electives must be taken instead of course 101.

SOC GEN 101 - Genetic Concepts for Human Sciences

SOC GEN 102 - Societal and Medical Issues in Human Genetics

SOC GEN 191S - Capstone Seminar: Society and Genetics

ELECTIVES

Select at least four additional upper-division electives (minimum 16 units) from:

ANTHRO 111 - Theory in Anthropological Archaeology

ANTHRO 124P - Human Behavioral Ecology

ANTHRO 124Q - Evolutionary Psychology

ANTHRO 124S - Evolution of Human Sexual Behavior

ANTHRO 128P - Primate Behavior Nonhuman to Human

ANTHRO M148 - (When) Do Leaders Make Differences?

ANTHRO M150 - Language in Culture

EE BIOL 120 - Evolution

EE BIOL 121 - Molecular Evolution

EE BIOL 180A - Seminar: Biology and Society

EE BIOL 180B - Seminar: Biology and Society

GENDER M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

GENDER 134 - Gender, Science, and Theory

GENDER M162 - Sociology of Gender

GENDER M180B - Historical Perspectives on Gender and Science

GEOG M142 - (When) Do Leaders Make Differences?

HIST 179B - History of Medicine: Foundations of Modern Medicine

HIST M180B - Historical Perspectives on Gender and Science

HIST 180C - Science and Technology in 20th Century

HIST 191I - Capstone Seminar: History—Science/Technology

HNRS M152 - (When) Do Leaders Make Differences?

HUM GEN C144 - Genomic Technology

LGBTQS M114 - Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies

LING M146 - Language in Culture

MIMG CM156 - Human Genetics and Genomics

MCD BIO CM156 - Human Genetics and Genomics

PHILOS 153A - Topics in Ethical Theory: Normative Ethics

PHILOS C154B - Topics in Value Theory: Moral Responsibility and Free Will

PHILOS 155A - Medical Ethics

PHILOS C156 - Topics in Political Philosophy

PHYSCI 140 - Hormones and Behavior in Humans and Other Animals

PSYCH M140 - Introduction to Study of Aging

SOC GEN 120 - Genetics and Human History

SOC GEN 121 - Race, Science, and Citizenship

SOC GEN 130 - Biotechnology and Society

SOC GEN 131 - Data, Artificial Intelligence, and Algorithms in the Biosciences

SOC GEN M133 - Environmental Sociology

SOC GEN M144 - Stress and Society: Biology and Inequality

SOC GEN 160 - Politics of Heredity

SOC GEN 161 - Controversy and Behavior Genetics

SOC GEN 162 - Biotechnologies, Law, and Body

SOC GEN 163 - Science and Popular Movements: Controversy, Conflict, and Collaboration

SOC GEN 164 - Ethics in Health and Research

SOC GEN 165 - Introduction to Bioethics

SOC GEN 175 - Current Directions in Social and Historical Study of Science

SOC GEN 180 - Special Courses in Society and Genetics

SOC GEN 188 - Special Courses in Society and Genetics

SOC GEN 197 - Individual Studies in Society and Genetics

SOC GEN 199 - Directed Research in Society and Genetics

SOC WLF M140 - Introduction to Study of Aging

SOCIOL 143 - Human Health and Society

SOCIOL M162 - Sociology of Gender

SOCIOL 170 - Medical Sociology

Policies

The Minor Policies

Students may petition to have a course not on the approved list applied toward the four-course elective requirement. Contact the undergraduate counselor in 3360 Life Sciences.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade of C– or better. Successful completion of the minor is indicated on the transcript and diploma.

Sociology Overview

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College of Letters and Science

264 Haines Hall
Box 951551
Los Angeles, CA 90095-1551

Sociology
310-825-1313
Department e-mail

Abigail C. Saguy, PhD, *Chair*

Sociology is the study of the organization, dynamics, and consequences of social life. The scope of the discipline is as broad and diverse as social life itself. Sociologists study social interaction and relationships, organizations and institutions, communities and whole societies. The methods of sociological investigation are also varied: sociologists immerse themselves in the daily life of groups, interview group participants, examine recorded interaction, interpret historical documents, engage in quantitative analysis of data, and conduct large surveys. The methods and concepts of sociology yield powerful insights into the social processes shaping lives, problems, and possibilities in contemporary society. The ability to identify and understand these processes—a capacity that C.W. Mills called the "sociological imagination"—is valuable preparation for personal and professional participation in a changing and complex world.

The Department of Sociology faculty includes internationally renowned scholars who address topics ranging in scope from the organization of face-to-face interaction to the consequences of globalization. The department boasts outstanding teachers—six of whom have won Distinguished Teaching Awards—and excellently trained teaching assistants, many of whom have also won awards. The select honors program has a record for training students in the fundamentals of research and generating honors theses of substantial accomplishment.

Career Prospects

In addition to contributing to a liberal arts education, the Sociology major prepares individuals for a broad range of career options and graduate and professional studies. The analytic perspectives and skills gained in the major are a foundation for careers in business, data science, education, law, public health, and social welfare. The major also supplies a foundation for students intending to pursue graduate work in sociology and related fields. Employment opportunities available to the graduate with a Bachelor of Arts (BA) degree in Sociology also include work in community service organizations and health agencies, government service, and human resources.

The Doctor of Philosophy (PhD) in Sociology usually leads to a career in research and/or teaching. Although most sociologists are employed by universities, there are increasing career opportunities in government, technology, and nonuniversity research centers.

Sociology Faculty Roster

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Professors

Leisy J. Abrego, PhD
Victor Agadjanian, PhD
Walter R. Allen, PhD *(Allan Murray Cartter Professor of Higher Education)*
César J. Ayala, PhD
Philippe I. Bourgois, PhD, *in Residence*
Jennie E. Brand, PhD
Rogers Brubaker, PhD *(UCLA Foundation Professor)*
Steven E. Clayman, PhD
Jessica L. Collett, PhD
Scott L. Cummings, JD *(Robert Henigson Endowed Professor of Legal Ethics)*
Rebecca J. Emigh, PhD
Laura E. Gómez, JD, PhD *(Rachel F. Moran Endowed Professor of Law)*
Rubén Hernández-Léon, PhD
Patrick C. Heuveline, PhD
Darnell M. Hunt, PhD
Marcus A. Hunter, PhD *(Scott Waugh Endowed Professor of Social Sciences)*
Gail Kligman, PhD
Hannah L. Landecker, PhD
Ching-Kwan Lee, PhD
Omar A. Lizardo, PhD
Cecilia Menjívar, PhD *(Dorothy L. Meier Professor of Social Equities)*
Vilma Ortiz, PhD
Aaron L. Panofsky, PhD
Mason A. Porter, PhD
Gabriel Rossman, PhD

Abigail C. Saguy, PhD
Olav J. Sorenson, PhD *(Joseph Jacobs Professor of Entrepreneurial Studies)*
Tanya J. Stivers, PhD
Megan M. Sweeney, PhD
Sherod Thaxton, JD, MA, PhD
Christopher C. Tilly, PhD
Stefan Timmermans, PhD
Andres Villarreal, PhD
Roger Waldinger, PhD
Edward T. Walker, PhD
Wei-hsin Yu, PhD
Min Zhou, PhD

Professors Emeriti

Jeffrey C. Alexander, PhD
Rodolfo Alvarez, PhD
Ronald M. Andersen, PhD *(Fred W. and Pamela K. Wasserman Professor Emeritus of Health Services)*
Kenneth D. Bailey, PhD
Richard A. Berk, PhD
Phillip Bonacich, PhD
Duane W. Champagne, PhD
Oscar Grusky, PhD
David J. Halle, PhD
M. Nicolette Hart, PhD
John C. Heritage, PhD
Jack Katz, PhD
Barbara B. Lal, PhD
Ivan H. Light, PhD
David E. Lopez, PhD
Michael Mann, PhD
William M. Mason, PhD
Ruth M. Milkman, PhD
Anne R. Pebley, PhD *(Fred H. Bixby Professor Emerita of Population Policy)*
Jeffrey Prager, PhD
Jerome Rabow, PhD
William G. Roy, PhD
Emanuel A. Schegloff, PhD
Judith A. Seltzer, PhD
Katherine V.W. Stone, JD *(Arjay and Frances Fearing Miller Professor Emerita of Law)*
Ivan Szelenyi, PhD

Warren D. Tenhouten, PhD
Donald J. Treiman, PhD
Maurice Zeitlin, PhD
Lynne G. Zucker, PhD

Associate Professors

Amada Armenta, PhD
LaToya J. Baldwin Clark, JD, PhD
Hiram Beltran-Sanchez, PhD
Jeffrey J. Guhin, PhD
Kevan K. Harris, PhD
Zeynep K. Korkman, PhD
Natalie R. Masuoka, PhD
Meredith Philips, PhD
Natasha M. Quadlin, PhD
Giovanni Rossi, PhD
Alden H. Young, PhD
J. Christopher Zepeda-Millán, PhD

Assistant Professors

Jason L. Ferguson, PhD
Christopher J. Herring, PhD
Jasmine D. Hill, PhD
Elizabeth C. Koslov, PhD
Aliza R. Luft, PhD
Desi M. Small-Rodriguez, PhD

Lecturers

Terri L. Anderson, PhD
Mark C. Jepson, PhD
Isaac D.F. Speer, PhD

Adjunct Professor

Jacob G. Foster, PhD

Major

Sociology BA

College / School

College of Letters and Science

Department

Sociology

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Critical evaluation of social and political arguments using empirical data

2. Effective and convincing formulation of written and oral arguments that integrate sociological evidence

3. Demonstrated understanding of the difference between an individual-level and collective-level explanation of behavior

4. Demonstrated understanding of the major sociological methods, including interviewing, ethnography, conversation analysis, content analysis, survey design, and statistical analysis, the types of questions they can be used to answer, and their limitations

5. Demonstrated familiarity with several major classical contemporary sociological theoretical perspectives and how they can be used to analyze contemporary or historical events or phenomena

6. Understanding of some ways in which biographies are shaped by institutions, patterns of social inequality, or cultural practice

Entry to the Major

Pre-Major

Only students with fewer than 90 units completed (excluding Advanced Placement units/credit) may declare the Sociology pre-major once they complete either Sociology 1 or 20 with a grade of C or better.

First-Year Students

Students must petition to declare the Sociology major. If Sociology 101 or 102 has already been completed, a grade of C or better is required. Grades in any other completed sociology courses for the major must be C- or better.

Transfer Students

Transfer applicants to the Sociology pre-major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one introduction to sociology course and one statistics

course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

Sociology

Complete the following two courses:

SOCIOL 1 - Introductory Sociology

SOCIOL 20 - Introduction to Sociological Research Methods

Political Science or Statisics

Select one course from:

POL SCI 6 - Introduction to Data Analysis

STATS 10 - Introduction to Statistical Reasoning

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

The Major

Complete 11 upper-division courses as follows. Students should complete course 101 and the core courses before taking other upper-division courses.

Theory

Complete the following two courses:

SOCIOL 101 - Development of Sociological Theory

SOCIOL 102 - Contemporary Sociological Theory

Methods

Select one course from:

SOCIOL 106A - Field Research Methods I

SOCIOL 106B - Field Research Methods II

SOCIOL 110 - Comparative and Historical Methods

SOCIOL 111 - Social Networks

SOCIOL 112 - Introduction to Mathematical Sociology

SOCIOL 113 - Statistical and Computer Methods for Social Research

SOCIOL CM124A - Conversational Structures I

SOCIOL 191H - Honors Seminars: Sociology

STATS 112 - Statistics: Window to Understanding Diversity

Core Areas

Select one course from each of the following core areas:

INTERACTIONS

SOCIOL 111 - Social Networks

SOCIOL CM124A - Conversational Structures I

SOCIOL CM125 - Talk and Social Institutions

SOCIOL 126 - Study of Norms

SOCIOL 130 - Self and Society

SOCIOL 132 - Social Psychology: Sociological Approaches

SOCIOL 133 - Collective Behavior

SOCIOL 134 - Culture and Personality

SOCIOL 140 - Negotiating Medical Care: Physician-Patient Conversations

SOCIOL 152 - Comparative Acculturation and Assimilation

INSTITUTIONS AND SOCIAL PROCESSES

SOCIOL 116 - Social Demography

SOCIOL 121 - Sociology of Religion

SOCIOL M139 - Asian Community: Border-Crossing, Diasporic Formation, and Social Transformation

SOCIOL 140 - Negotiating Medical Care: Physician-Patient Conversations

SOCIOL 143 - Human Health and Society

SOCIOL 151 - Comparative Immigration

SOCIOL 158 - Urban Sociology

SOCIOL 172 - Entrepreneurship

SOCIOL 173 - Economy and Society

SOCIOL M174 - Sociology of Family

SOCIOL M175 - Sociology of Education

SOCIOL M176 - Sociology of Mass Communication

SOCIOL 181B - Sociology of Contemporary China

POWER AND INEQUALITY

SOCIOL M115 - Environmental Sociology

SOCIOL 122 - Sociology of Violence

SOCIOL 123 - Social Change

SOCIOL M139 - Asian Community: Border-Crossing, Diasporic Formation, and Social Transformation

SOCIOL 147A - Sociology of Crime

SOCIOL M155 - Latinos in U.S.

SOCIOL 156 - Race and Ethnicity in American Life

SOCIOL 157 - Social Stratification

SOCIOL M161 - Comparative American Indian Societies

SOCIOL M162 - Sociology of Gender

SOCIOL M164 - Politics of Reproduction and Everyday Life

SOCIOL M165 - Sociology of Race and Labor

SOCIOL 181A - Sociology of Global China

SOCIOL 182 - Political Sociology

SOCIOL 183 - Comparative and Historical Sociology

SOCIOL 185 - American Society

SOCIOL 186 - Latin American Societies

Upper-Division Sociology Electives

Complete any five upper-division sociology elective courses.

Honors Program

As preparation for the honors program, students must complete all preparation for the major courses. After acceptance into the honors program, students are required to take courses 191H, 198A, 198B, and 198C (honors thesis seminars) which may be applied as electives toward the major requirements.

SOCIOL 191H - Honors Seminars: Sociology

SOCIOL 198A - Honors Research in Sociology

SOCIOL 198B - Honors Research in Sociology

SOCIOL 198C - Honors Research in Sociology

Computing Specialization

Majors in Sociology may select a specialization in Computing by satisfying all the requirements for a bachelor's degree in the major, and completing the following requirements. Each course must be taken for a letter grade. Students graduate with a bachelor's degree in sociology and a specialization in Computing.

COMPTNG 10A - Introduction to Programming

COMPTNG 10B - Intermediate Programming

COMPTNG 10C - Advanced Programming

SOCIOL 111 - Social Networks

SOCIOL 113 - Statistical and Computer Methods for Social Research

Policies

Preparation for the Major Policies

A minimum grade of C is required in each preparation for the major course. Students with a grade-point average less than 2.0 in the preparation coursework are not eligible for admission to the major. Students who repeat any preparation course more than once are automatically denied admission to the major.

The Major Policies

Each course for the major must be taken for a letter grade. To graduate, students must have at least a 2.0 grade-point average in their upper-division major courses, with grades of C or better in Sociology 101 and 102.

Only 8 units of Sociology 199 are allowed. The two theory courses, three core area courses, one methods course, and one sociology elective (seven courses total) must be taken while in residence in the College of Letters and Science at UCLA.

Honors Program

The honors program in sociology provides opportunity for outstanding students to undertake an independent year-long research project under the guidance of a faculty member. Students who successfully complete the honors program graduate with departmental honors.

Students must have a 3.5 overall grade-point average, have completed the sociology preparation requirements and, in most cases, have completed the required theory course. Applications are available from the undergraduate adviser’s office, 254E Haines Hall.

Major

Sociology MA, CPhil, PhD

College / School

College of Letters and Science

Department

Sociology

Degree Level

Graduate

Degree Objective

Doctor of Philosophy, Candidate in Philosophy, Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Spanish and Portuguese Overview

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College of Letters and Science

5310 Rolfe Hall
Box 951532
Los Angeles, CA 90095-1532

Spanish and Portuguese
310-825-1036
Department e-mail

Maarten H. van Delden, PhD, *Chair*

The Department of Spanish and Portuguese is dedicated to the study and teaching of the languages, literatures, and cultures of the Hispanic heritage in all areas of the world, particularly on the continents of Europe and America. It maintains a strong commitment to the value of original research and professional instruction at all levels of its activities.

Whether studying for the Bachelor of Arts (BA), Master of Arts (MA), or Doctor of Philosophy (PhD) degree, students are given careful guidance in the choice of courses and in the preparation of a study program. The richness of Hispanic culture is amply represented in the extensive range of courses in language, linguistics, and literature. Although the literatures of Spain, Portugal, Brazil, and Spanish America predominate, courses are also offered in Chicano literature. The breadth of courses offered by the department allows undergraduate students to pursue many possible interests and enables graduate students to concentrate in depth in several areas of specialization.

Department courses are primarily designed to serve the five BA programs: BA in Spanish, BA in Spanish and Community and Culture, BA in Spanish and Linguistics, BA in Spanish and Portuguese, and BA in Portuguese and Brazilian Studies; as well as to prepare students for its three graduate programs: MA in Spanish, MA in Portuguese, and PhD in Hispanic Languages and Literatures. The courses are also

functionally supportive of such interdepartmental programs as the BA, MA, and PhD programs in Chicana and Chicano Studies, BA and MA programs in Latin American Studies, and MA and PhD programs in Comparative Literature.

Undergraduate Policies

Language Acquisition Courses

Beginning- and intermediate-level Spanish language courses are offered for Spanish second language learners and Spanish heritage learners. Beginning- and intermediate-level Portuguese language courses are offered for second language learners and learners proficient in another Romance language.

The approach is proficiency-oriented, communicative, and task-based. Students develop communicative competence in all four skill areas (listening, speaking, reading, and writing). Classes are conducted completely in Spanish or Portuguese.

Language courses are delivered in a blended form; students are required to attend face-to-face class meetings and also complete two hours per week of work assigned, online. The two hours of online work are included in the required contact hours for the course.

Students with one or more years of high school Spanish or Portuguese who plan to enroll in Spanish 1 through 27 should take the departmental placement examination. Consult the **Schedule of Classes** or the department office for more information.

No credit is allowed for completing a less advanced course after successful completion of a more advanced course in Spanish and Portuguese grammar and/or composition.

Subject Areas

Spanish and Portuguese courses are in the following subject areas:

- **Indigenous Languages of the Americas**
- **Portuguese**
- **Spanish**

Spanish and Portuguese Faculty Roster

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Professors

Adriana J. Bergero, PhD
Héctor V. Calderón, PhD
Verónica Cortínez, PhD
John C. Dagenais, PhD
Maria (Maite) T. de Zubiaurre, PhD
Barbara Fuchs, PhD
Efraín Kristal, PhD
José Luiz Passos, PhD
A. Carlos Quícoli, PhD
Maarten H. van Delden, PhD

Professors Emeriti

Rubén A. Benítez, PhD
E. Mayone Dias, PhD
J. Randal Johnson, PhD
Gerardo A. Luzuriaga, PhD
C. Brian Morris, LittD
C.P. Otero, PhD
José Pascual Buxó, PhD
Enrique Rodríguez-Cepeda, PhD

Paul C. Smith, PhD
Jesús Torrecilla, PhD

Associate Professors

Patricia Arroyo Calderón, PhD
Ji-Young Kim, PhD
Jorge Marturano, PhD

Assistant Professors

Nohora A. Arrieta Fernández, PhD
Patrícia S. Lino, PhD
Victoria E. Mateu, PhD
Javier Patiño Loira, PhD
Rodrigo Ranero, PhD

Lecturer SOE

José M. Cruz-Salvadores, PhD, *Emeritus*

Lecturers

Greg D. Cohen, PhD
Luz María de la Torre, MA
Juliet A. Falce-Robinson, PhD
Unai Nafarrate-Errasti
Carlota Suhr, PhD

Adjunct Associate Professors

Jimena N. Rodríguez, PhD
Stephen C. Tobin, PhD

Adjunct Assistant Professors

Iker Arranz Otaegui, PhD

Isaac Giménez, PhD

Audrey A. Harris, PhD

Ezekiel E. Trautenberg, PhD

Major

Portuguese and Brazilian Studies BA

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Study Abroad

Students are encouraged to spend up to one year in a Portuguese-speaking country to study in a university or conduct research. Appropriate credit may be granted in accordance with the individual program, arranged in consultation with the undergraduate faculty adviser in Portuguese. Proposals must be submitted in advance in writing and must be approved by the department.

Learning Outcomes

1. Demonstrated oral, aural, and written mastery of the Portuguese language
2. Demonstrated specific skills and expertise, including research, analysis, and writing
3. Conception and execution of research projects that identify and engage with a specialized topic
4. Identification and analysis of appropriate primary sources
5. Working knowledge of scholarly discourse relative to a specialized topic
6. Engagement with peers through presentation, discussion, and critique of student work

Entry to the Major

Transfer Students

Transfer applicants to the Portuguese major with 90 or more units must complete the following introductory courses prior to admission to UCLA: one year of Portuguese, one nature of language course, one Portuguese civilization course or one Brazilian civilization course, and one Brazilian culture course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete two courses as follows:

Portuguese 25 or 26 or 27

Select one course. Portuguese 27 is recommended.

PORTGSE 25 - Advanced Portuguese

PORTGSE 26 - Language and Popular Culture

PORTGSE 27 - Writing Studies: Afro-Luso-Brazilian World

Portuguese 46

Complete the following course:

PORTGSE 46 - Brazil and Portuguese-Speaking World

The Major

Complete 10 upper-division courses (45 units minimum) as follows:

Grammar

Select one course from:

PORTGSE 100A - Phonology and Morphology

PORTGSE 100B - Syntax

Literature

Select one course from:

PORTGSE 130A - Introduction to Literature in Portuguese

PORTGSE 130B - Introduction to Literature in Portuguese

Electives

Complete seven elective courses selected from Portuguese 100A through 199.

Honors Program

Portuguese 198A and Spanish 198A are 4-unit courses in which students research and prepare a draft of a thesis on a selected topic; Portuguese 198B and Spanish 198B are 2-unit courses in which students complete the final thesis draft of approximately 25 to 30 pages. Approval of the honors thesis by the faculty mentor is the final requirement for departmental honors. Portuguese 198A-198B and Spanish 198A-198B may not be applied toward the majors.

PORTGSE 198A - Senior Honors Research in Portuguese I

PORTGSE 198B - Senior Honors Research in Portuguese II

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better prior to beginning upper-division work in the major.

The Major Policies

Out of the seven elective courses, three courses from outside the department that focus on Brazil, Portugal, or Lusophone Africa may be applied toward the major with approval of the undergraduate adviser. A minimum of five out of the seven elective courses must be taken in Portuguese.

Each course must be taken for a letter grade and passed with a grade of C or better.

By petition, and after consultation with the undergraduate adviser, up to three 4-unit Portuguese 197 or 199 courses may be applied toward the major.

Double Majors

Through judicious use of electives, students may find it possible to secure the BA degree with two complete majors (e.g., Portuguese/Spanish, Portuguese/History, Portuguese/Sociology, etc.). Interested students should consult with the undergraduate adviser in Portuguese as early as possible in their BA program.

Honors Program

The departmental honors program is open to majors who have completed a minimum of six upper-division major courses with a 3.7 grade-point average or better in those six courses. Eligibility is verified by the departmental counselor. On the basis of their coursework and special interests, students then consult with a faculty member in that field and formulate a research project that they pursue under the faculty member's guidance through Portuguese 198A-198B or Spanish 198A-198B.

Major

Spanish and Community and Culture BA

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Capstone Major

The Spanish and Community and Culture major is a designated capstone major. Students participate in community-based experiential learning courses coupled with elective and adjunct courses. Reflective journals, final projects, and in-class presentations are required. Through their capstone work, students should have mastery of the Spanish language, ability to conduct and interpret research to determine the needs of specific communities, critical understanding and ability to apply theories within a service context, sensitivity to diversity and cultural differences, and ability to perform scholarly presentations that tie current issues to research and theory.

Learning Outcomes

1. Demonstrated written and conversational mastery of the Spanish language
2. Conduct and interpret research to determine the needs of specific communities
3. Demonstrated critical understanding of, and ability to apply, theories within a service context
4. Demonstrated sensitivity to diversity and cultural differences
5. Performance of scholarly presentations that tie current issues to research and theory
6. Articulation of the value of civic engagement

Entry to the Major

Transfer Students

Transfer applicants to the Spanish and Community and Culture major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Spanish, one Spanish civilization course, and one Spanish American civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses as follows:

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

Spanish 25 or 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

Spanish M35 or Portuguese M35

Select one course from:

SPAN M35 - Spanish, Portuguese, and Nature of Language

PORTGSE M35 - Spanish, Portuguese, and Nature of Language

The Major

Complete 10 courses as follows:

Spanish Grammar

Select one course from:

SPAN 100A - Introduction to Study of Spanish Grammar: Phonology and Morphology

SPAN 100B - Introduction to Study of Spanish Grammar: Syntax

Literary Analysis

Complete the following course:

SPAN 119 - Introduction to Literary Analysis

Spanish Literature, Culture, Linguistics, or Media Studies

Select three courses from:

SPAN 130 - Topics in Medieval Studies

SPAN 135 - Topics in Early Modern Studies

SPAN 140 - Topics in Modern Studies

SPAN 150 - Topics in Contemporary Studies

SPAN 155 - Topics in U.S. Latina/o Studies

SPAN 160 - Topics in Spanish Linguistics

SPAN 170 - Topics in Interdisciplinary and Transhistorical Studies

SPAN 175 - Topics in Creative Writing and Translation

SPAN 180 - Topics in Visual Culture

SPAN 195 - Community Internships in Spanish

Interdisciplinary Studies

Select two courses from:

CCAS 100XP - Barrio Organization and Service Learning

CCAS CM106 - Health in Chicano/Latino Population

CCAS M119 - Chicano/Latino Community Formation: Critical Perspectives and Oral Histories

CCAS 120 - Immigration and Chicano Community

CCAS M121 - Issues in Latina/Latino Poverty: Mexican and Central American Voices from Los Angeles

CCAS M122 - Planning Issues in Latina/Latino Communities: Preserving and Strengthening Community Assets in Mexican and Salvadoran Los Angeles

CCAS 131 - Barrio Popular Culture

CCAS M144 - Women's Movement in Latin America

CCAS 149 - Gendered Politics and Chicana/Latina Political Participation

CCAS 181 - History of Chicana/Chicano Los Angeles, 20th Century

SOCIOL M155 - Latinos in U.S.

Capstone Community-Based and Experiential Learning Courses (15 units)

Complete Spanish M165XP once and M172XP twice (may be repeated with topic change).

SPAN M165XP - Taking It to Street: Spanish in Community

SPAN M172XP - Topics in Community Engagement

Honors Program

Portuguese 198A and Spanish 198A are 4-unit courses in which students research and prepare a draft of a thesis on a selected topic; Portuguese 198B and Spanish 198B are 2-unit courses in which students complete the final thesis draft of approximately 25 to 30 pages. Approval of the honors thesis by the faculty mentor is the final requirement for departmental honors. Portuguese 198A-198B and Spanish 198A-198B may not be applied toward the majors.

PORTGSE 198A - Senior Honors Research in Portuguese I

SPAN 198A - Senior Honors Research in Spanish I

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better prior to beginning upper-division work in the major.

The Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better.

A minimum of 46 units applied toward the major requirements must be in addition to units applied toward major or minor requirements in another department or program.

By petition, and after consultation with the undergraduate adviser, up to three 4-unit Spanish 197 or 199 courses may be applied toward the major.

Honors Program

The departmental honors program is open to majors who have completed a minimum of six upper-division major courses with a 3.7 grade-point average or better in those six courses. Eligibility is verified by the departmental counselor. On the basis of their coursework and special interests, students then consult with a faculty member in that field and formulate a research project that they pursue under the faculty member's guidance through Portuguese 198A-198B or Spanish 198A-198B.

Major

Spanish and Linguistics BA

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated technical mastery of the Spanish language, including pronunciation (phonetics and phonology), history (historical linguistics), and structure (syntax)

2. Demonstration of how to do basic spoken language research in Spanish linguistics, emphasizing Latin American Spanish and Chicano Spanish or Los Angeles vernacular

3. Identification and analysis of appropriate primary linguistic sources within the generative framework

4. Working knowledge of scholarly discourse in a specialized Spanish linguistics topic (phonology, syntax, and historical linguistics)

5. Conception and execution of a project that identifies and engages with a specialized Spanish linguistics topic as a result of the practical part of the courses on phonetics and phonology and on syntax

Entry to the Major

Transfer Students

Transfer applicants to the Spanish and Linguistics major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Spanish, one introduction to linguistics course, and one Spanish or Spanish American civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete four courses as follows:

Linguistics 20

Complete with grade of B– or better.

LING 20 - Introduction to Linguistic Analysis

Spanish 25 or 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

Spanish M35 or Portuguese M35

Select one course from:

SPAN M35 - Spanish, Portuguese, and Nature of Language

PORTGSE M35 - Spanish, Portuguese, and Nature of Language

Spanish 42 or 44

Select one course from:

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

The Major

Complete 11 courses as follows:

Required Spanish

Complete the following three courses:

SPAN 100A - Introduction to Study of Spanish Grammar: Phonology and Morphology

SPAN 100B - Introduction to Study of Spanish Grammar: Syntax

SPAN 119 - Introduction to Literary Analysis

Required Linguistics

Complete the following three courses:

LING 103 - Introduction to General Phonetics

LING 120A - Phonology I

LING 120B - Syntax I

Linguistics Elective

Select one course from:

- LING 160 - Field Methods
- LING 165A - Phonology II
- LING 165B - Syntax II

Upper-Division Spanish Electives

Complete four upper-division Spanish electives, two of which must be from Spanish 160.

- SPAN 160 - Topics in Spanish Linguistics

Honors Program

Portuguese 198A and Spanish 198A are 4-unit courses in which students research and prepare a draft of a thesis on a selected topic; Portuguese 198B and Spanish 198B are 2-unit courses in which students complete the final thesis draft of approximately 25 to 30 pages. Approval of the honors thesis by the faculty mentor is the final requirement for departmental honors. Portuguese 198A-198B and Spanish 198A-198B may not be applied toward the majors.

- SPAN 198A - Senior Honors Research in Spanish I
- PORTGSE 198A - Senior Honors Research in Portuguese I

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better prior to beginning upper-division work in the major, except Linguistics 20, which must be passed with a grade of B– or better.

The Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better.

Honors Program

The departmental honors program is open to majors who have completed a minimum of six upper-division major courses with a 3.7 grade-point average or better in those six courses. Eligibility is verified by the departmental counselor. On the basis of their coursework and special interests, students then consult with a faculty member in that field and formulate a research project that they pursue under the faculty member's guidance through Portuguese 198A-198B or Spanish 198A-198B.

Major

Spanish and Portuguese BA

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Learning Outcomes

1. Demonstrated oral, aural, and written mastery of the Spanish and Portuguese languages

2. Demonstrated specific skills and expertise, including research, analysis, and writing

3. Conception and execution of research projects that identify and engage with a specialized topic

4. Identification and analysis of appropriate primary sources

5. Working knowledge of scholarly discourse on a specialized topic

6. Engagement with peers through presentation, discussion, and critique of student work

Entry to the Major

Transfer Students

Transfer applicants to the Spanish and Portuguese major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Spanish, one year of Portuguese, one Spanish civilization course or one Spanish American civilization course, and one Brazilian culture course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete five courses as follows:

Portuguese

Select one course from the following list. Portuguese 27 is recommended.

PORTGSE 25 - Advanced Portuguese

PORTGSE 26 - Language and Popular Culture

PORTGSE 27 - Writing Studies: Afro-Luso-Brazilian World

Portuguese M35 or Spanish M35

Select one course from:

PORTGSE M35 - Spanish, Portuguese, and Nature of Language

SPAN M35 - Spanish, Portuguese, and Nature of Language

Portuguese 46

PORTGSE 46 - Brazil and Portuguese-Speaking World

Spanish 25 or 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

Spanish 42 or 44

Select one course from:

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

The Major

Complete 11 courses as follows:

Spanish Grammar

Select one course from:

SPAN 100A - Introduction to Study of Spanish Grammar: Phonology and Morphology

SPAN 100B - Introduction to Study of Spanish Grammar: Syntax

Portuguese Grammar

Select one course from:

PORTGSE 100A - Phonology and Morphology

PORTGSE 100B - Syntax

Literature

Complete three courses. Select Portuguese 130A or 130B.

SPAN 119 - Introduction to Literary Analysis

SPAN 120 - Literature in Historical Context

PORTGSE 130A - Introduction to Literature in Portuguese

PORTGSE 130B - Introduction to Literature in Portuguese

Upper-Division Elective Courses

Complete six 4-or 5-unit upper-division elective courses, two of which must be in Spanish and three of which must be from the Portuguese offerings, including those taught in English. Only upper-division courses taught in the target language may be applied toward the major, except the Portuguese courses taught in English.

Honors Program

Portuguese 198A and Spanish 198A are 4-unit courses in which students research and prepare a draft of a thesis on a selected topic; Portuguese 198B and Spanish 198B are 2-unit courses in which students complete the final thesis draft of approximately 25 to 30 pages. Approval of the honors thesis by the faculty mentor is the final requirement for departmental honors. Portuguese 198A-198B and Spanish 198A-198B may not be applied toward the majors.

PORTGSE 198A - Senior Honors Research in Portuguese I

SPAN 198A - Senior Honors Research in Spanish I

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better.

By petition, and after consultation with the undergraduate adviser, up to three 4-unit Portuguese 197, 199, Spanish 197, or 199 courses may be applied toward the major.

The Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better.

By petition, and after consultation with the undergraduate adviser, up to three 4-unit Portuguese 197, 199, Spanish 197, or 199 courses may be applied toward the major.

Honors Program

The departmental honors program is open to majors who have completed a minimum of six upper-division major courses with a 3.7 grade-point average or better in those six courses. Eligibility is verified by the departmental counselor. On the basis of their coursework and special interests, students then consult with a faculty member in that field and formulate a research project that they pursue under the faculty member’s guidance through Portuguese 198A-198B or Spanish 198A-198B.

Major

Spanish BA

College / School
College of Letters and Science

Department
Spanish and Portuguese

Degree Level
Undergraduate

Degree Objective
Bachelor of Arts

Capstone Major

The Spanish major is a designated capstone major. Seniors complete a capstone seminar that provides unique opportunity to work closely with a faculty member on a focused topic of research. Through their capstone work students are expected to demonstrate mastery of the Spanish language, along with

specific skills and expertise acquired in earlier coursework. Additionally, students acquire a working knowledge of scholarly discourse relative to a specialized topic, conceive and execute an associated project, and engage with a community of scholars, presenting their work to peers and helping to further peers' work through discussion and critique.

Learning Outcomes

1. Demonstrated written and oral mastery of the Spanish language
2. Demonstrated specific skills and expertise, including research, analysis, and writing
3. Identification and analysis of appropriate primary sources
4. Conception and execution of a project that identifies and engages with a specialized topic
5. Working knowledge of scholarly discourse relative to a specialized topic
6. Engagement with peers through presentation, discussion, and critique of student work

Entry to the Major

Transfer Students

Transfer applicants to the Spanish major with 90 or more units must complete the following introductory courses prior to admission to UCLA: two years of Spanish, one Spanish civilization course, and one Spanish American civilization course.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete three courses as follows:

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

Spanish 25 or 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

The Major

Complete 11 courses as follows:

Core

Complete the following two courses:

SPAN 119 - Introduction to Literary Analysis

SPAN 120 - Literature in Historical Context

Upper-Division Electives

Complete eight upper-division Spanish elective courses in literature, culture, linguistics, media, service learning, or interdisciplinary studies, up to three of which may be from an outside department that deals with Spain or Spanish America and have been approved by the undergraduate adviser.

Senior Capstone Seminar

Complete the following course:

SPAN 191C - Senior Capstone Seminar

Honors Program

Portuguese 198A and Spanish 198A are 4-unit courses in which students research and prepare a draft of a thesis on a selected topic; Portuguese 198B and Spanish 198B are 2-unit courses in which students complete the final thesis draft of approximately 25 to 30 pages. Approval of the honors thesis by the faculty mentor is the final requirement for departmental honors. Portuguese 198A-198B and Spanish 198A-198B may not be applied toward the majors.

PORTGSE 198A - Senior Honors Research in Portuguese I

SPAN 198A - Senior Honors Research in Spanish I

Policies

Preparation for the Major Policies

Each course must be taken for a letter grade and passed with a grade of C or better prior to beginning upper-division work in the major.

The Major Policies

By petition, and after consultation with the undergraduate adviser, up to three 4-unit Spanish 197 or 199 courses may be applied toward the major.

Each course must be taken for a letter grade and passed with a grade of C or better.

Honors Program

The departmental honors program is open to majors who have completed a minimum of six upper-division major courses with a 3.7 grade-point average or better in those six courses. Eligibility is verified by the departmental counselor. On the basis of their coursework and special interests, students then consult with a faculty member in that field and formulate a research project that they pursue under the faculty member's guidance through Portuguese 198A-198B or Spanish 198A-198B.

Minor

Mexican Studies Minor

College / School
College of Letters and Science

Department
Spanish and Portuguese

Level
Undergraduate

Overview

The Mexican Studies minor allows students with an interest in Mexico to augment their major programs with courses that expose them to the history, literature, and culture of Mexico. Given Southern California's proximity to Mexico, the demographics of Los Angeles, and the shared history of Mexico and the Southwest, the minor is a natural complement to many majors.

Entry to the Minor

Admission

To enter the minor, students must have an overall grade-point average of 2.0 or better and must complete or show proficiency equivalent to two years of college-level Spanish. A petition to declare the minor should be filed with the undergraduate counselor in 5314 Rolfe Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (8 to 9 units):

Complete two courses as follows:

SPANISH 25 OR 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

ELECTIVE

Select one course from:

HIST 8A - Colonial Latin America

HIST 8B - Modern Latin America

HIST 8C - Latin American Social History

SPAN 44 - Latin American Cultures

Required Upper-Division Courses (20 to 22 units):

Complete five courses as follows:

MEXICAN CULTURE AND LITERATURE

Complete three Mexican culture and literature courses selected from Spanish 135 through 175 in consultation with the undergraduate adviser.

Spanish 135 through 180

ELECTIVES

Select two courses from:

ANTHRO 114P - Ancient Civilizations of Mesoamerica

CCAS M102 - Mexican Americans and Schools

CCAS M108A - Music of Latin America: Mexico, Central America, and Caribbean Isles

CCAS 120 - Immigration and Chicano Community

CCAS M125 - U.S./Mexico Relations

CCAS M132 - Border Consciousness

CCAS 142 - Mesoamerican Literature

CCAS 172 - Chicana and Chicano Ethnography

CCAS 184 - History of U.S./Mexican Borderlands

ETHNMUS M108A - Music of Latin America: Mexico, Central America, and Caribbean Isles

GEOG 172B - Central America

HIST 157B - Indians of Colonial Mexico

HIST 160B - Mexican Revolution since 1910

Policies

The Minor Policies

By petition and after consultation with the undergraduate adviser, one 4-unit 197 or 199 course may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and passed with a grade of C or better. Students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Portuguese and Brazilian Studies Minor

College / School

College of Letters and Science

Department

Spanish and Portuguese

Level

Undergraduate

Entry to the Minor

Admission

To enter the Portuguese and Brazilian Studies minor, students must have an overall grade-point average of 2.0 or better and must complete Portuguese 27 or equivalent. A petition to declare the minor should be

filed with the undergraduate counselor in 5314 Rolfe Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (9 units):

Complete two courses as follows:

PORTGSE 46 - Brazil and Portuguese-Speaking World

PORTUGUESE 25 OR 26 OR 27

Select one course Portuguese 27 is recommended.

PORTGSE 25 - Advanced Portuguese

PORTGSE 26 - Language and Popular Culture

PORTGSE 27 - Writing Studies: Afro-Luso-Brazilian World

Required Upper-Division Courses (20 units):

Complete five courses as follows:

PORTUGUESE 100A THROUGH 199

Complete three courses from Portuguese 100A through 199.

BRAZILIAN TOPIC UPPER-DIVISION COURSES

Complete two upper-division courses on a Brazilian topic.

Policies

The Minor Policies

Courses may be taken in Portuguese or English but must be clearly related to an aspect of Brazilian studies.

Only one 4-unit Portuguese 197 or 199 course may be applied toward the minor.

By petition, up to two upper-division courses on Portugal or Brazil may be taken in other departments and applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and passed with a grade of C or better. Students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Spanish Linguistics Minor

College / School
College of Letters and Science

Department
Spanish and Portuguese

Level
Undergraduate

Entry to the Minor

Admission

To enter the Spanish Linguistics minor, students must have an overall grade-point average of 2.0 or better and must complete or show proficiency equivalent to two years of college-level Spanish. A petition to declare the minor should be filed with the undergraduate counselor in 5314 Rolfe Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (9 units):

Complete two courses as follows:

SPANISH 25 OR 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

SPANISH M35 OR PORTUGUESE M35

Select one course from:

SPAN M35 - Spanish, Portuguese, and Nature of Language

PORTGSE M35 - Spanish, Portuguese, and Nature of Language

Required Upper-Division Courses (20 to 21 units):

Complete five courses as follows:

SPAN 100A - Introduction to Study of Spanish Grammar: Phonology and Morphology

SPAN 100B - Introduction to Study of Spanish Grammar: Syntax

ELECTIVES

Complete three upper-division Spanish electives, two of which must be from Spanish 160.

SPAN 160 - Topics in Spanish Linguistics

Policies

The Minor Policies

By petition and after consultation with the undergraduate adviser, one 4-unit 197 or 199 course may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and passed with a grade of C or better. Students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Spanish Minor

College / School
College of Letters and Science

Department
Spanish and Portuguese

Level

Undergraduate

Entry to the Minor

Admission

To enter the Spanish minor, students must have an overall grade-point average of 2.0 or better and must complete or show proficiency equivalent to two years of college-level Spanish. A petition to declare the minor should be filed with the undergraduate counselor in 5314 Rolfe Hall.

Minor Requirements

The Minor

Required Lower-Division Courses (9 units):

Complete two courses as follows:

SPANISH 25 OR 27

Select one course from:

SPAN 25 - Advanced Spanish Composition

SPAN 27 - Advanced Spanish Composition for Heritage Speakers

SPANISH 42 OR 44

Select one course from:

SPAN 42 - Iberian Cultures

SPAN 44 - Latin American Cultures

Required Upper-Division Courses (20 to 22 units):

Complete five courses as follows:

SPAN 119 - Introduction to Literary Analysis

SPANISH LITERATURE, CULTURE, LINGUISTICS, SERVICE LEARNING, OR MEDIA STUDIES

Complete four Spanish literature, culture, linguistics, service learning, or media studies courses.

Policies

The Minor Policies

By petition and after consultation with the undergraduate adviser, three 4-unit 197 or 199 courses may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade and passed with a grade of C or better. Students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Hispanic Languages and Literature CPhil, PhD

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Portuguese MA

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Spanish MA

College / School

College of Letters and Science

Department

Spanish and Portuguese

Degree Level

Graduate

Degree Objective

Master of Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Statistics and Data Science

Overview

You're now viewing the 2024-25 Catalog

College of Letters and Science

8125 Mathematical Sciences
Box 951554
Los Angeles, CA 90095-1554

Statistics and Data Science
310-825-8430
E-mail contact

Qing Zhou, PhD, *Chair*

The purpose of statistics and data science is to design, construct, and evaluate techniques for analyzing data. The data can be of any type—qualitative, quantitative, visual—and be collected through a variety of means through sensors, machines, self-reports, or random samples. The motivation can be scientific, commercial, legal, or policy.

The Department of Statistics and Data Science is devoted to furthering the science of data, and faculty research focuses on statistical and machine learning, artificial intelligence, computational statistics, computational biology, social statistics, and environmetrics, as well as statistics education. Both the undergraduate and graduate programs immerse students in theory, modeling, and computation—the foundations of data science.

Centers

Reflecting diverse research interests, the department is organized around several centers that collectively offer undergraduate and graduate students rich opportunities for specialized study. These include the **Center for Environmental Statistics**, **Center for Social Statistics**, **Center for Statistical Research in Computational Biology**, Data Science Education Center, and **Trustworthy AI Lab**.

Statistics and Data Science Faculty Roster

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Professors

Sudipto Banerjee, PhD
Jennie E. Brand, PhD
Guang Cheng, PhD
Susan D. Cochran, PhD
Rebecca J. Emigh, PhD
Mark S. Handcock, PhD
Chad J. Hazlett, PhD
Jingyi Jessica Li, PhD
Ker-Chau Li, PhD
Hongjing Lu, PhD
George Michailidis, PhD
Frederic R. Paik Schoenberg, PhD
Theodore M. Porter, PhD
Catherine A. Sugar, PhD, *in Residence*
Yingnian Wu, PhD
Hongquan Xu, PhD
Qing Zhou, PhD

Professors Emeriti

Peter M. Bentler, PhD

Richard A. Berk, PhD
Dorota M. Dabrowska, PhD
Jan de Leeuw, PhD
Song-Chun Zhu, PhD

Associate Professors

Arash A. Amini, PhD
Tao Gao, PhD
Guido F. Montúfar, PhD

Assistant Professors

Xiaowu Dai, PhD
Oscar H. Madrid Padilla, PhD
Karen A. McKinnon, PhD

Senior Lecturer SOE

Robert L. Gould, PhD

Senior Lecturers

Nicolas Christou, PhD
Maryam M. Esfandiari, PhD
Vivian Lew, PhD

Lecturers

Akram M. Almohalwas, PhD
Maria Cha, PhD
Miles S. Chen, PhD
Michael Tsiang, PhD
Bingling Wang, PhD
Guani Wu, PhD
Linda A. Zanontian, PhD
David A. Zes, PhD

Adjunct Associate Professor

Ivaylo D. Dinov, PhD

Adjunct Assistant Professors

Hao Ho, PhD
Dale S. Kim, PhD
Katherine M. Mullen, PhD
Namjoon Suh, PhD
Shirong Xu, PhD

Major

Data Theory BS

College / School

College of Letters and Science

Department

Statistics and Data Science

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Capstone Major

The Data Theory major is a designated capstone major. Students work in small teams to solve a large, open-ended data science problem for community- or campus-based clients. Emphasis is placed on the development and theoretical support of a statistical model or algorithmic approach. Alternatively, students

may undertake research on the foundations of data science, studying advanced topics and writing a senior thesis.

Learning Outcomes

1. Understanding of mathematical and statistical bases of most common methods of data science
2. Ability to explain in writing, with examples, how concepts of statistics and mathematics together solve real-world problems involving data
3. Skillfully manage data
4. Development, comparison, and testing of data-driven models to solve problems
5. Understanding and explanation of variability when fitting and interpreting models of real-world systems
6. Carrying out of reproducible data analysis using accepted practices of research community
7. Written and verbal communication of findings of analyses
8. Identification of areas of active research in data science
9. Insightfully address problems concerning ethics of data use and storage, including data privacy and security
10. Demonstrated mastery of concepts and skills of machine learning, modeling and supervised learning, dimension reduction and unsupervised learning, and deep learning

11. Demonstrated familiarity with numerous software tools used in statistical and data science work and research

12. Demonstrated knowledge of mathematical foundations, including pure and applied linear algebra, basic analysis, probability, and optimization theory

13. Study and evaluation of proofs of mathematical and statistical results employed in data theory

14. Work effectively in a team on a data science problem

15. Demonstrated eligibility for graduate study in applied mathematical science or statistical science

Entry to the Major

Pre-Major

Students entering UCLA directly from high school or first-term transfer students who want to declare the Data Theory pre-major at the time they apply for admission are automatically admitted to the pre-major. Students must visit the student services office of either the Mathematics Department or Statistics and Data Science Department in order to petition to enter the major. All students are identified as Data Theory pre-majors until they satisfy the following minimum requirements for the major.

First-Year Students

To enter the major, students must petition after they have completed the preparation for the major courses. Students who have an overall grade-point average (GPA) of at least 3.3 in the preparation for the major courses, and have completed all preparation for the major courses before the fall quarter of their third year at UCLA, will be admitted to the major.

Students whose overall GPA is between 2.7 and 3.3, or who fail to complete the preparation courses before the fall quarter of their third year, are admitted only if space is available. All students must petition before they have earned 160 units, or by the winter quarter of their junior year, whichever comes first. Only

grades for courses that are taken at the University of California, including UC summer schools, are counted for this GPA computation.

Transfer Students

Transfer applicants to the Data Theory major are admitted to the pre-major. Applicants with 90 or more units must have completed the following by the end of the spring term prior to entry to UCLA: two years of calculus for physical science and/or engineering majors, one linear algebra course, one C++ programming course, one statistics course.

Transfer students must have completed all preparation for the major coursework, and must have passed Mathematics 42, 115A, and at least 4 units of upper-division coursework required for this major with at least a 3.3 GPA, in order to be eligible to petition to enter the major. Transfer students will be admitted to the major if they satisfy these requirements. Transfer students who fail to meet these criteria for automatic admission will be admitted only if resources allow. Transfer students must petition to enter the major no later than the spring quarter of their first year at UCLA.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

After satisfying the preparation for the major requirements, students must visit the student services office of either the Mathematics Department or Statistics and Data Science Department in order to petition to enter the major.

Major Requirements

Preparation for the Major

Complete 11 courses as follows:

Required Courses

Complete the following 10 courses:

- MATH 31A - Differential and Integral Calculus
- MATH 31B - Integration and Infinite Series
- MATH 32A - Calculus of Several Variables
- MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

MATH 42 - Introduction to Data-Driven Mathematical Modeling: Life, Universe, and Everything

MATH 115A - Linear Algebra

STATS 20 - Introduction to Statistical Programming with R

STATS 21 - Python and Other Technologies for Data Science

Statistics Elective

Select one course from:

STATS 10 - Introduction to Statistical Reasoning

STATS 12 - Introduction to Statistical Methods for Geography and Environmental Studies

STATS 13 - Introduction to Statistical Methods for Life and Health Sciences

STATS 15 - Introduction to Data Science

The Major

Complete 16 courses as follows:

Required Courses

Complete the following nine courses:

MATH 118 - Mathematical Methods of Data Theory

MATH 131A - Analysis

MATH 156 - Machine Learning

STATS 101A - Introduction to Data Analysis and Regression

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 147 - Data Technologies for Data Scientists

STATS 184 - Societal Impacts of Data

Two-Quarter Sequence

Select one two-quarter sequence from:

MATHEMATICS 170E AND 170S

MATH 170E - Introduction to Probability and Statistics 1: Probability

MATH 170S - Introduction to Probability and Statistics 2: Statistics

STATISTICS 100A AND 100B

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

Mathematics Elective

Select one course from:

MATH 151A - Applied Numerical Methods

MATH 151B - Applied Numerical Methods

MATH 164 - Optimization

MATH 168 - Introduction to Networks

MATH 171 - Stochastic Processes

MATH 174E - Mathematics of Finance for Mathematics/Economics Students

MATH 178A - Foundations of Actuarial Mathematics: Life Insurance and Annuities

MATH 178B - Foundations of Actuarial Mathematics: Additional Topics in Long-Term Actuarial Mathematics

MATH 178C - Foundations of Actuarial Mathematics: Loss Models

MATH 179 - Advanced Topic in Financial Mathematics

MATH 182 - Algorithms

Statistics Elective

Select one course from the following list of courses or range:

COURSES

STATS 100C - Linear Models

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 102C - Introduction to Monte Carlo Methods

SELECT FROM STATISTICS C151 THROUGH 199 (EXCEPT STATISTICS 182, 186, OR 189).

Additional Electives

Select two additional electives from either of the preceding lists.

Capstone

Complete the following capstone course, to be taken during the final year:

MATH M148 - Experience of Data Science

STATS M148 - Experience of Data Science

Policies

Preparation for the Major Policies

Each course must be completed with a grade of C or better and an overall grade-point average of at least 2.7. All students must take Mathematics 42 at UCLA. The major is limited in size according to available resources.

Repetition of more than two mathematics or statistics sequenced courses or of any mathematics or statistics sequenced course more than once results in automatic dismissal from the major.

The Major Policies

Only 4 units of course 199 may be applied toward the major. Courses 189 and 189HC may not be applied toward any of the major requirements.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Major

Statistics and Data Science BS

College / School

College of Letters and Science

Department

Statistics and Data Science

Degree Level

Undergraduate

Degree Objective

Bachelor of Science

Overview

The Statistics and Data Science major is designed to provide a general introduction to the practice of statistics for students who intend to pursue study at the graduate level or seek employment in industry or

government. Courses are selected to provide sufficient theoretical background for future graduate-level research work, exposure to modern techniques and practices, and experience in fields of application.

It is strongly recommended that students, in conjunction with the BS degree, pursue a minor in a substantive discipline that applies statistics. Students must consult with the undergraduate faculty adviser to ensure that the minor selected is one in which statistics is applied.

Students interested in the major in Statistics and Data Science should meet with the student affairs officer early in their careers. Students who have completed Mathematics 33A, Statistics 20, and at least one course from Statistics 10 through 15 may declare a pre-major.

Capstone Major

The Statistics and Data Science major is a designated capstone major. Students are prepared for future academic studies, as well as for careers in which understanding, analyzing, communication, and organizing data are of central importance. The capstone gives students an opportunity to put into practice concepts and ideas that otherwise might remain theoretical and/or abstract, and to synthesize the many topics they have studied. Students should demonstrate ability to restate investigative questions in terms of statistical models or algorithms, find appropriate research literature to support their work, relate theoretical concepts to real-world problems, and clearly communicate their results to nontechnical audiences.

Learning Outcomes

1. Ability to restate an investigative question in terms of a statistical model or algorithm
2. Verbally communicate statistical results clearly to a non-technical audience
3. Successfully relate theoretical concepts to a real-world problem in a written report
4. Demonstrated ability to find research literature appropriate to the investigative task
5. Deliver reproducible statistical analyses using accepted practices of the research community

6. Demonstrated ability to verbally and orally communicate statistical results to both technical and non-technical audiences

Entry to the Major

Pre-Major

Incoming first-year and transfer students may be admitted as Statistics and Data Science pre-majors on acceptance to UCLA. Pre-major students must apply for the major after completing Statistics 20, and one course from Statistics 10 through 15, with grades of C or better, and an overall grade-point average of 2.5. Any student who meets the pre-major requirements may declare the major with the undergraduate student services adviser through Message Center.

First-Year Students

Students who entered as first years must declare the major with the undergraduate adviser no later than the end of the fall quarter of their junior year.

Transfer Students

Transfer applicants to the Statistics and Data Science major with 90 or more units must complete as many of the following introductory courses as possible prior to admission: two years of calculus, one linear algebra course, and one statistics course. These courses must be completed with a minimum grade-point average of 2.5. Students must declare the major with the department undergraduate adviser no later than the end of the fall quarter of their junior year.

Refer to the UCLA transfer admission guide for up-to-date information regarding transfer selection for admission.

Major Requirements

Preparation for the Major

Complete seven courses as follows:

Required

MATH 31A - Differential and Integral Calculus

MATH 31B - Integration and Infinite Series

MATH 32A - Calculus of Several Variables

MATH 32B - Calculus of Several Variables

MATH 33A - Linear Algebra and Applications

STATS 20 - Introduction to Statistical Programming with R

Elective

Select one course from:

Statistics 10 through 15

The Major

Complete 13 courses as follows:

Required

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

Capstone Statistical Consulting

Complete both of the following courses:

STATS 140XP - Practice of Statistical Consulting

STATS 141XP - Practice of Statistical Consulting

Upper-Division Electives

Select two courses from the following groups:

MATHEMATICS

MATH 131A - Analysis

MATH 131B - Analysis

MATH 151A - Applied Numerical Methods

MATH 151B - Applied Numerical Methods

MATH 170B - Probability Theory II

MATH 171 - Stochastic Processes

STATISTICS

Select from Statistics 112 through 199 (except courses 147, M148, 184, 186).

Policies

Preparation for the Major Policies

Each course must be completed with a grade of C or better, and a grade-point average of 2.5 or higher. Students who repeat more than two of the preparation courses or who repeat any preparation course more than once are automatically denied admission to the major.

The Major Policies

Students are strongly encouraged to take electives in departments other than statistics, particularly in mathematics, computer science, and substantive disciplines that apply statistical methods. Elective

courses from outside the department may be selected in consultation with the department director of undergraduate education.

The capstone consists of two courses (Statistics 140XP and 141XP) that must be completed sequentially in the final year. Students must first complete courses 100B and 101B before they can begin the capstone.

Students planning to continue their study of statistics at the graduate level are strongly advised to include in their schedule as many of the following courses as possible: Mathematics 115A, 115B, 131A, 131B, 151A, 151B, 170B, 171.

Only 4 units of Statistics 195 and 199 may be applied toward the major. Courses 189 and 189HC may not be applied toward any of the major requirements.

Each major course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better.

Minor

Social Data Science Minor

College / School
College of Letters and Science

Department
Statistics and Data Science

Level
Undergraduate

Overview

The Social Data Science minor is designed to offer a solid background in data science for students majoring in social science disciplines. It is restricted to students who are declared majors within the Social Sciences Division and the School of Public Affairs.

Entry to the Minor

Admission

To enter the minor, students (1) must have completed the required lower-division courses for letter grades with a minimum C or better grade in each course, and a grade-point average of 2.5 or better in lower-division courses; and (2) file a petition with the Statistics and Data Science Department undergraduate adviser.

Minor Requirements

The Minor

Required Lower-Division Courses (12 or 13 units)

Complete three courses as follows:

REQUIRED

Complete the following two courses:

MATH 33A - Linear Algebra and Applications

STATS 20 - Introduction to Statistical Programming with R

ELECTIVE

Select one course from the following list or range:

Courses

ECON 41 - Probability and Statistics for Economists

GEOG 7 - Introduction to Geographic Information Systems

POL SCI 6 - Introduction to Data Analysis

SOCIOL 20 - Introduction to Sociological Research Methods

Statistics 10 through 15

Statistics 10 through 15

Required Upper-Division Courses (22 units)

Complete six courses as follows:

REQUIRED

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

STATS 184 - Societal Impacts of Data

UPPER-DIVISION ELECTIVES

Select two courses from the following list of courses or range:

Courses

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

STATS C116 - Social Statistics

STATS 130 - Getting Up to Speed with SPSS, Stata, SAS, and R

STATS 131 - Python and Other Technologies for Data Analysis

COMM 155 - Artificial Intelligence and New Media

COMM 156 - Social Networking

ECON 104 - Data Science for Economists

ECON 143 - Advanced Econometrics

ECON 144 - Economic Forecasting

ECON 147 - Computational Finance and Data Analysis for Financial Engineering

GEOG 181A - Intermediate Geographic Information Systems

GEOG 181B - Advanced Geographic Information Systems

GEOG 181C - Geographic Information Systems Programming and Development

GEOG 182B - Remote Sensing: Digital Image Processing and Analysis

GEOG 182C - Advanced Remote Sensing

GEOG M186 - Introduction to Spatial Statistics

POL SCI 167D - Political Institutions and Economic Development

POL SCI 170A - Studies in Statistical Analysis of Political Data

POL SCI 179 - Special Topics in Methods and Models

POL SCI 191E - Variable Topics Research Seminars for Majors: Methods and Models

SOCIOL 111 - Social Networks

SOCIOL 114 - Social Data Science

SOCIOL 191V - Variable Topics Research Seminars: Sociology

Statistics C151 through 186

Statistics C151 through 186

Policies

The Minor Policies

Statistics 105, 188SA, 188SB, 188SC, 189, 189HC, 195, and 199 may not be applied toward the minor. Elective courses from outside the department are selected in consultation with the Statistics and Data Science undergraduate faculty adviser. The variable topics courses Political Science 179 and 191E and Sociology 191V may only be applied toward the minor by special petition on the basis of their statistical content.

Economics 104 may be used as a substitute for Statistics 101A as a requisite for Statistics 101B.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Minor

Statistics and Data Science Minor

College / School
College of Letters and Science

Department
Statistics and Data Science

Level

Undergraduate

Overview

The Statistics and Data Science minor is designed to provide a solid background in statistics for students majoring in other disciplines.

Students interested in the minor in Statistics and Data Science should meet with the student affairs officer early in their careers. Students who have completed Mathematics 33A, Statistics 20, and at least one course from Statistics 10 through 15 may declare the minor.

Entry to the Minor

Admission

To enter the minor, students (1) must have taken Mathematics 33A, Statistics 20, and one course from Statistics 10 through 15 for letter grades with a minimum C or better grade in each and a grade-point average of 2.5, and (2) file a petition with the department undergraduate adviser.

Minor Requirements

The Minor

Complete six upper-division courses (24 units) selected from one of the following options:

Option 1

Complete the Statistics 100 series and either the 101 or 102 series.

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 100C - Linear Models

STATISTICS 101 SERIES OR 102 SERIES

Select one series from:

Statistics 101 series

Complete the following three courses:

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 101C - Introduction to Statistical Models and Data Mining

Statistics 102 series

Complete the following three courses:

STATS 102A - Introduction to Computational Statistics with R

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

Option 2

Complete the following five courses and Statistics 102B or 102C:

STATS 100A - Introduction to Probability

STATS 100B - Introduction to Mathematical Statistics

STATS 101A - Introduction to Data Analysis and Regression

STATS 101B - Introduction to Design and Analysis of Experiment

STATS 102A - Introduction to Computational Statistics with R

STATISTICS 102B OR 102C

Select one course from:

STATS 102B - Introduction to Computation and Optimization for Statistics

STATS 102C - Introduction to Monte Carlo Methods

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Master of Applied Statistics and Data Science

College / School

College of Letters and Science

Department

Statistics and Data Science

Degree Level

Graduate

Degree Objective

Master of Applied Statistics and Data Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Statistics MS, CPhil, PhD

College / School

College of Letters and Science

Department

Statistics and Data Science

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Doctor of Philosophy, Master of Science

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Surgery Overview

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David Geffen School of Medicine

72-131 Center for Health Sciences
Box 951749
Los Angeles, CA 90095-1749

Surgery
310-267-8054

O. Joe Hines, MD, ***Chair***
David C. Chen, MD, ***Vice Chair, Surgical Services, UCLA Santa Monica***
Christian M. de Virgilio, MD, ***Vice Chair, Harbor-UCLA***
Timothy R. Donahue, MD, ***Vice Chair, Surgical Cancer Care***
Clifford Y. Ko, MD, MSHS, ***Vice Chair, Clinical Research***
Jerzy W. Kupiec-Weglinski, MD, PhD, ***Vice Chair, Basic Science Research***
Gerald S. Lipshutz, MD, ***Vice Chair, Research***
Jessica B. O'Connell, MD, ***Vice Chair, VA Greater Los Angeles Healthcare System***
Areti Tillou, MD, ***Vice Chair, Education***
Eleby Washington, MD, ***Vice Chair, Charles R. Drew University of Medicine and Science***

The Department of Surgery instructs medical students during all four years of medical school. Students are expected to obtain broad knowledge of diseases treated by surgical means and to understand the pathophysiology of these conditions, the therapy that may be applied, and the anticipated results of treatment. They are also encouraged to learn about the effects of surgical illness on the patient and the patient's family and environment.

Second-year students participate in one eight-week core clerkship in clinical surgery and are assigned to rotations at a combination of Reagan UCLA, Cedars-Sinai Medical Center, Harbor-UCLA, West Los Angeles VA, Olive View-UCLA, Kaiser Permanente, and UCLA Santa Monica medical centers. Each facility has a special orientation depending on the patient population and the individual staff. During the fourth year students may elect to take additional clinical rotations with increasing responsibilities. Additional in-depth elective courses are offered in collaboration with other departments.

For more details on the Department of Surgery and courses offered, see the **department website**.

Surgery **faculty information** is available from the department.

Theater, Film, and Television Schoolwide Programs Overview

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School of Theater, Film, and Television

103 East Melnitz Building
Box 951622
Los Angeles, CA 90095-1622

Student Services Office
310-206-8441

Highly motivated students who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship; and are thoroughly examined for cogency, completeness, and academic merit.

Major

Individual Field of Concentration BA in Theater, Film, and Television

College / School

School of Theater, Film, and Television

Department

Theater, Film, and Television Schoolwide Programs

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

Highly motivated students in a School of Theater, Film, and Television major who find that no single major accommodates their specific interest in a given subject may propose designing their own major. Proposals are prepared with faculty guidance and sponsorship and are thoroughly examined for cogency, completeness, and academic merit.

The student in consultation with the faculty advisor develops an individualized plan for a course of study that either combines two or more fields or creates a wholly new field; this plan cannot replicate any existing UCLA undergraduate majors.

Capstone Major

Learning Outcomes

1. Development of individualized course of study
2. Demonstrated competency in discourse of disparate disciplines on which the major draws
3. Completion of capstone project or thesis that synthesizes coursework into a culminating project
4. Demonstrated competency in the literature and/or artistic traditions pertinent to chosen course of study

Theater Overview

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School of Theater, Film, and Television

303 East Melnitz Building
Box 951622
Los Angeles, CA 90095-1622

Theater
310-825-7008
Department e-mail

Michelle Liu Carriger, PhD, *Chair*

The Department of Theater offers comprehensive education in the performing arts, with a curriculum promoting an awareness of theater as a global practice and performance as a form for reflecting the human experience. Students engage in a learning environment where creativity and critical thought combine in the exploration of the artistic and intellectual challenges inherent in theater making.

Prospective students are selected by the faculty through auditions and interviews.

For current or specific information about the programs and faculty members, see the **department website**.

Undergraduate Study

At the undergraduate level, students receive education in acting, design and production, directing, formal and textual analysis, musical theater, performance studies, and playwriting, all within the rigorous liberal arts framework of the Bachelor of Arts (BA) degree. The department also offers a Theater minor.

Graduate Study

At the graduate level, students in the Master of Fine Arts (MFA) program develop as artists and are given preprofessional training in the skills of theater, while PhD students engage in critical investigations of performance broadly understood. In conjunction with their theater studies, students also have the opportunity to pursue elective courses in the area of film, digital media, and television, and, schedules allowing, take graduate courses from across UCLA.

Theater Faculty Roster

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Professors

J. Ed Araiza, BA
Jeffrey A. Burke, MS, MFA
Myung Hee A. Cho, MFA
Lap Chi Chu, MFA
Chrisi Karvonides-Dushenko, MFA
Suk-Young Kim, PhD
Brian E. Kite, MFA
Deborah Nadoolman Landis, PhD *(David C. Copley Professor of Costume Design)*
Sean A. Metzger, PhD
Judith E. Moreland, MFA
Peter M. Sellars, BA
Dominic A. Taylor, MFA
Edit E. Villarreal, MFA

Professors Emeriti

Alan M. Armstrong, MFA
Sue-Ellen Case, PhD
Hanay L. Geiogamah, BFA
Michael J. Hackett, PhD
Robert H. Hethmon, PhD
Michael S. McLain, PhD
Joanne T. McMaster, MFA
Joseph M. Olivieri, MFA

Rich S. Rose, MFA
Mel Shapiro, MFA
Carol J. Sorgenfrei, PhD
José Luis Valenzuela, BA
Margaret L. Wilbur, MFA

Associate Professors

Michelle Liu Carriger, PhD
Jennifer M. Chang, MFA
Thomas K. O'Connor, MFA
Sylvan M. Oswald, MFA
Adam Rigg, MFA
Marike A. Splint, MFA

Assistant Professors

Felipe Cervera, PhD
Malika O. Oyetimein, MFA

Senior Lecturer SOE

Thomas J. Orth, *Emeritus*

Lecturers

Cheryl Baxter-Ratliff
Perry M. Daniel, MFA
Leanora Martino, MA
Peter J. Shushtari, MFA
Jonathan Snipes
Natsuo Tomita

Adjunct Professors

Dan T. Belzer, MFA
Jeremy L. Mann
Ed J. Monaghan, MFA

Paul M. Wagar

Adjunct Associate Professor

Marilyn E. Fox

Academic Administrator

Jonathan Burke, MFA

Major

Theater BA

College / School
School of Theater, Film, and Television

Department
Theater

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The Theater BA provides students with a liberal arts education by combining critical study of theater and performance with experiential practice in one or more of its component parts. Students explore acting, design, directing, formal and textual analysis, playwriting, and production to build a foundation for future

creative work. Specialized and advanced training is available to prepare students for a variety of careers, further training, or graduate study. At the upper-division level, students may choose from an array of advanced elective courses including those in acting, design and production, directing, musical theater, playwriting, theater history, and dramatic literature. Internships in areas such as producing and casting are also available.

Capstone Major

The Theater major is a designated capstone major. Theater capstone courses represent independent student scholarship and/or a high degree of artistic achievement in each of the undergraduate areas. Capstone courses are intended to be the culmination of all the broad educational courses and core foundational courses that a student has taken. Group participation in the creation and production of student projects is core to the curriculum. Capstone courses vary by area and require individual projects or performances, a major artistic contribution to a theater production, or an individual course of study resulting in a research paper. Through their capstone work, students demonstrate general knowledge and specialized skills, successfully relate their experience in a studio, production, or fieldwork setting, communicate effectively orally and in writing, and engage with a community of artists and scholars presenting theatrical work.

Learning Outcomes

1. Demonstrated broad knowledge of fundamentals acquired through coursework, including general knowledge of the art form and skills in a specialized area of study
2. Successful relation of experience in a studio, production, or fieldwork setting
3. Engagement with a community of artists and scholars presenting theatrical work
4. Effective oral and written communication

Entry to the Major

Admission

All applicants must meet the admission standards of UCLA and the departmental screening process. Applications are accepted only in November for admission to the following fall quarter. There are no mid-year admissions. Students must submit required supplemental materials directly to the Theater Department. If requested by the department, applicants must also sign up for an audition and/or interview online. There is a $90 fee for all interviews/auditions.

Applicants interested in one of the emphases in acting, design and production, integrated studies (including critical studies, directing, and playwriting) or musical theater may submit materials for consideration in that area.

Major Requirements

Preparation for the Major

Complete the following six required courses and 4 units of Theater 50.

- THEATER 11 - Approaches to Interpretation of Theater and Performance: Global Perspective
- THEATER 12 - Introduction to Performance
- THEATER 13 - Play Reading and Analysis
- THEATER 14A - Introduction to Design
- THEATER 14B - Introduction to Design
- THEATER 14C - Introduction to Design
- THEATER 50 - Theater Production

The Major

Complete two required courses, one capstone seminar, one elective, and 34 upper-division theater elective units as follows:

- THEATER 101A - Global Histories of Theater and Performance I
- THEATER 101B - Global Histories of Theater and Performance II

Theater 102A through 113

Select one course from:

Theater 102A through 113

Capstone Seminar

Select one course from:

THEATER 131C - Playwriting: Full-Length Play Capstone

THEATER 163C - Directing for Stage

THEATER 180 - Senior Project

Elective

Complete at least one course (4 units) from:

THEATER 150 - Theater Production and Performance

THEATER 173A - Design Assignment: Assistant Designer

THEATER 173B - Production Design Assignment: Designer

THEATER 174B - Project in Stage Management

THEATER 174C - Project in Stage Management

Additional Electives

Complete 34 upper-division theater elective units.

Policies

The Major Policies

Up to 8 units of upper-division credit in the Department of Film, Television, and Digital Media may be included in the 34-unit theater elective requirement.

Majors wishing to pursue one of the emphases in the areas of acting, design and production, directing, musical theater, or playwriting are expected to complete a number of regularly offered elective courses.

Students who do not select an emphasis or who wish to pursue an individualized plan are expected to meet with the undergraduate vice chair at the beginning of each year to plan their course of study.

Minor

Theater Minor

College / School
School of Theater, Film, and Television

Department
Theater

Level

Undergraduate

Overview

The Theater minor is designed for students who wish to augment their major program of study with a series of courses that promote the study of theater as a global phenomenon for reflecting the human experience. The minor consists of a selection of lower-division courses that expose students to the fundamentals of theatrical production, as well as acting, writing, and directing. Upper-division courses offer more focused study of those areas, as well as theater design, history, education, and theater of non-Western cultures.

Entry to the Minor

Admission

To enter the minor students must be in good academic standing, have a minimum 3.0 grade-point average, have completed at least three Theater minor courses with a grade of B or better, have declared a major in a department other than Theater, and file a petition at the Student Services Office, 103 East Melnitz Building, 310-206-8441. All degree requirements, including the specific requirements for this minor, must be fulfilled within the unit maximum set forth by each student's school or College.

Minor Requirements

The Minor

Required Lower-Division Courses (7 to 10 units)

Complete two courses as follows:

THEATER 10 - Introduction to Theater

ELECTIVE

Select one course from:

THEATER 15 - Introduction to Directing

THEATER 20 - Acting Fundamentals

THEATER 28A - Acting, Voice, and Movement Workshop I

THEATER 28B - Acting, Voice, and Movement Workshop I

THEATER 28C - Acting, Voice, and Movement Workshop I

THEATER 30 - Dramatic Writing

Required Upper-Division Courses (22 to 27 units)

Complete six courses as follows:

THEATER 150 - Theater Production and Performance

UPPER DIVISION CORE COURSES

Select three courses from:

THEATER 102A - Theater of Japan

THEATER 102B - K-Pop: Race, Gender, and Sexuality in Globalizing Asian Media

THEATER M103A - African American Theater History: Slavery to Mid-1800s

THEATER M103B - African American Theater History: Minstrel Stage to Rise of American Musical

THEATER M103C - Origins and Evolution of Chicano Theater

THEATER M103D - Contemporary Chicano Theater: Beginning of Chicano Theater Movement

THEATER M103E - Modern African American Drama: Harlem Renaissance to Black Arts Movement

THEATER 103F - Native American Theater

THEATER M103G - Contemporary Chicano Theater: Chicano Theater since 1980

THEATER M103J - Contemporary Black Theater: Modern Civil Rights Era to Black Lives Matter and Beyond

THEATER 104D - New Playwrights, New Playwriting

THEATER C104G - History of Design for Performance Production Part I: Historic Costume from Prehistoric to Neoclassical

THEATER C104I - History of Design for Performance Production Part II: Historic Costume from Neoclassical to 21st Century

THEATER C104J - History of Design for Performance Production: Selected Topics of Décor and Costume Design History

THEATER 106 - History of American Theater and Drama

THEATER 107 - Drama of Diversity

THEATER 108 - Undergraduate Seminar: History and Criticism

THEATER M109 - Art and Performance: Interdisciplinary Approach to Collections of Getty Center

THEATER 110 - History of American Musical Theater

THEATER C112A - Emerging Technologies and Their Uses in Live Performance

THEATER 113 - Special Topics in Theater and Performance Studies

THEATER C153E - History of Costume Design in Movies

ELECTIVES

Select two courses from:

THEATER 117 - Topics in Physical Performance

THEATER 118A - Teaching Artist Fundamentals

THEATER 118B - ArtsBridge Ensemble: Theatre for Young Audiences

THEATER 118D - ArtsBridge Teaching Practicum

THEATER 120A - Acting and Performance in Film

THEATER 120B - Acting and Performance in Film

THEATER 120C - Acting and Performance in Film

THEATER 121 - Acting Workshop

THEATER 123 - Intermediate Acting for Stage

THEATER 128A - Acting, Voice, and Movement Workshop II

THEATER 136 - Advanced Acting for Stage

THEATER 138 - Special Problems in Performance Techniques

THEATER 139 - Play Reading and Analysis

THEATER C146A - Art and Process of Entertainment Design

THEATER 149 - Introduction to Design

THEATER 195 - Community or Corporate Internships in Theater, Film, and Television

Policies

The Minor Policies

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor. All courses for the minor must be taken in residence at UCLA. No petitions of substitute coursework will be approved. Transfer credit for any of the above is subject to department approval.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Theater and Performance Studies

CPhil, PhD

College / School

School of Theater, Film, and Television

Department

Theater

Degree Level

Graduate

Degree Objective

Candidate in Philosophy, Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Theater MFA

College / School

School of Theater, Film, and Television

Department

Theater

Degree Level

Graduate

Degree Objective

Master of Fine Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

University Studies Overview

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College of Letters and Science

A316 Murphy Hall
Box 951430
Los Angeles, CA 90095-1430

University Studies
310-206-1697

Muriel C. McClendon, PhD, *Chair*

Available to all undergraduate students, the University Studies curriculum seeks to promote academic success and meaningful engagement. Courses are tailored to specific undergraduate populations and are designed to introduce students to the research university and academic culture of UCLA. Beyond addressing themes of academic success, the courses also introduce students to the unique opportunities and experiences available at a large research university. For more information, contact **Marian Gabra**.

University Studies Faculty Committee

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Frank A. Laski, PhD *(Molecular, Cell, and Developmental Biology)*
David W. MacFadyen, PhD *(Comparative Literature, Musicology)*
Elizabeth A. Marchant, MA *(Comparative Literature, Gender Studies)*
Muriel C. McClendon, PhD *(History)*
William I. Newman, PhD *(Earth, Planetary, and Space Sciences; Mathematics; Physics and Astronomy)*

Urban Planning Overview

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Meyer and Renee Luskin School of Public Affairs

3357 Public Affairs Building
Box 951656
Los Angeles, CA 90095-1656

Urban Planning
310-825-2892
Department e-mail

Michael K. Manville, PhD, *Chair*

The professional urban planner works on the creation and management of the urban environment, including its physical, economic, and social elements. Housing, transportation, air and water quality, the preservation of historic communities, and the development of community-level economic and employment programs are some of the tasks undertaken by recent graduates of the Department of Urban Planning.

The department takes pride in its collegial atmosphere. It features a lively mix of students from diverse academic backgrounds, drawn from many foreign countries and from every avenue of American life. It includes many members of racial and ethnic minority groups, and more than half the students are women. Student organizations provide an interesting program of extracurricular activities.

Career Prospects

Graduates have taken positions in local, state, and national governments, and increasingly with nonprofit and private companies whose products and services affect the urban environment. While most UCLA graduates find positions in the U.S., the program offers the opportunity to specialize in development

planning abroad, including rural development, and many graduates have found positions in Latin America, Africa, and Asia.

Urban Planning Faculty Roster

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Professors

Eric R. Avila, PhD
Evelyn A. Blumenberg, PhD
Dana Cuff, PhD
Susanna B. Hecht, PhD
Anastasia Loukaitou-Sideris, PhD
Michael K. Manville, PhD
Adam S. Millard-Ball, PhD
Paavo Monkkonen, PhD
Vinit Mukhija, PhD
Ananya Roy, PhD *(Meyer and Renee Luskin Professor of Inequality and Democracy)*
Michael A. Stoll, PhD
Michael C. Storper, PhD
Brian D. Taylor, PhD
Veronica Terriquez, PhD
Christopher C. Tilly, PhD
Karen N. Umemoto, PhD
Abel Valenzuela, Jr., PhD

Professors Emeriti

Randall D. Crane, PhD
J. Eugene Grisby III, PhD
Allan D. Heskin, PhD, LLB
Shirley Hune, PhD

James E. Lubben, DSW
Paul M. Ong, PhD
Donald C. Shoup, PhD
Lois M. Takahashi, PhD

Associate Professors

Amada Armenta, PhD
Kian Goh, PhD
Veronica Herrera, PhD
Michael C. Lens, PhD
Kirsten Schwarz, PhD
V. Kelly Turner, PhD

Assistant Professors

Elizabeth C. Koslov, PhD
José C. Loya, PhD
Marques A. Vestal, PhD

Lecturer

Walker R. Wells, MCRP

Adjunct Professor

Gregory S. Pierce, PhD

Minor

Urban and Regional Studies Minor

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Urban Planning

Level

Undergraduate

Overview

The scale, diversity, balkanized governance, and natural environment of Southern California all contribute to making it an extraordinary natural laboratory for learning about urban and regional issues, whether the focus is on immigration, employment, the built environment, transportation, poverty, natural resources, or a host of other challenges. The Urban and Regional Studies minor offers undergraduate students a means to address some of these issues from an interdisciplinary perspective, giving a balanced mixture of theory, practice, and service learning courses.

Entry to the Minor

Admission

To enter the minor, students must be in good academic standing with an overall grade-point average of 2.0 or better, have completed 90 or more units, and complete either Urban Planning M120 (or Public Affairs M109) or 121 with a grade of C or better. An introductory course in geography, political science, or sociology is recommended. For more information, contact the undergraduate advising office.

Minor Requirements

The Minor

Complete seven courses as follows:

Urban Planning M120 or 121

Complete one of the following courses with a grade of C or better:

- PUB AFF M109 - Introduction to Cities and Planning
- URBN PL M120 - Introduction to Cities and Planning
- URBN PL 121 - Urban Policy and Planning

Electives

Select five additional elective courses from the following list. Electives may be added as additional undergraduate courses are offered; any urban planning course from 100-199 is permitted.

- PUB AFF 110 - Urban Revolution: Space and Society in Global Context
- PUB AFF 120 - Urban Poverty and Public Policy
- PUB AFF 121 - Race, Class, Gender, and Spatial Inequality
- PUB AFF 140 - Race, Rights, and Citizenship: Encounters with Bureaucracies
- PUB AFF M142 - Latino Social Policy

PUB AFF 148 - U.S. Housing Policy and Geography of Opportunity

PUB AFF 149 - International Housing Policy

PUB AFF M153 - Parking and City

PUB AFF 154 - Green Transportation

PUB AFF M157 - Built Environment and Health

PUB AFF M159 - Politics of Water

PUB AFF M160 - Urban Sustainability

PUB AFF M161 - Environmental Justice through Multiple Lenses

URBN PL M120 - Introduction to Cities and Planning

URBN PL 121 - Urban Policy and Planning

URBN PL CM151 - Parking and City

URBN PL M161 - Urban Sustainability

URBN PL M167 - Environmental Justice through Multiple Lenses

URBN PL M168 - Politics of Water

Capstone or Upper-Division Elective

Select a capstone course from the following list or one additional upper-division elective course (minimum 4 units) from the preceding group:

PUB AFF 195 - Community or Corporate Internships in Public Affairs

PUB AFF 195CE - Community or Corporate Internships in Public Affairs

PUB AFF 199 - Directed Research or Senior Project in Public Affairs

URBN PL 185XP - Community-Based Research in Planning

URBN PL 195 - Community Internships in Urban Planning

URBN PL 199 - Directed Research in Urban Planning

Policies

The Minor Policies

By petition, courses outside the Luskin School of Public Affairs may be applied as an elective for the minor. No more than two courses from outside the Luskin School of Public Affairs may be applied toward the minor.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade, and students must have an overall grade-point average of 2.0 or better in the minor. Successful completion of the minor is indicated on the transcript and diploma.

Major

Master of Urban and Regional Planning

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Urban Planning

Degree Level

Graduate

Degree Objective

Master of Urban and Regional Planning

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Concurrent Degree Programs

- 007H - Community Health Sciences MS, PhD
- 0354 - Environmental Health Sciences MS, PhD
- 0501 - Juris Doctor
- 0498 - Latin American Studies MA
- 02F2 - Master of Architecture
- 008J - Master of Business Administration

Concurrent degree programs allow students to reduce the number of courses required for two degrees, since some courses may apply to both degrees.

Major

Master of Urban and Regional Planning – Institut d'Etudes de Paris

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Urban Planning

Degree Level

Graduate

Degree Objective

Master of Urban and Regional Planning

Overview

In this dual degree program, students receive a Master in Governing the Large Metropolis from the Urban School of Sciences Po in Paris and a Master of Urban and Regional Planning from the Urban Planning Department at UCLA.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Urban Planning PhD

College / School

Meyer and Renee Luskin School of Public Affairs

Department

Urban Planning

Degree Level

Graduate

Degree Objective

Doctor of Philosophy

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Urology Overview

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David Geffen School of Medicine

379 Wasserman Building
Box 957383
Los Angeles, CA 90095-7383

Urology
310-794-8492

Mark S. Litwin, MD, MPH, FACS, *Chair*

The fundamental goal of the Department of Urology is to teach medical students the general principles of diagnosis and management in diseases of the genitourinary tract. Urology encompasses a wide scope of human illness, including conditions that are congenital and acquired, pediatric and adult, male and female, malignant and benign. The department functions to acquaint students with the skills necessary to manage these conditions in the initial stages and over the long term.

Instruction spans all four years of the undergraduate medical school curriculum but is concentrated during the clinical rotations. Students spend two weeks on the urology service during the third year and may return for an additional three-week elective rotation during the fourth year. The clinical experience includes time spent in the faculty and resident clinics, on ward rounds, and in didactic conferences that cover general urology, urological subspecialties, uropathology, and uroradiology. Urology teaching settings include the Reagan UCLA, Harbor-UCLA, Olive View-UCLA, UCLA Santa Monica, and West Los Angeles VA medical centers.

For more details on the Department of Urology and courses offered, see the **department website**.

Visual and Performing Arts Education Overview

You're now viewing the 2024-25 Catalog

Interdisciplinary Minor
School of the Arts and Architecture

2101 Broad Art Center
Box 951620
Los Angeles, CA 90095-1620

Visual and Performing Arts Education
310-794-4822
Minor e-mail

Lauren L. McCarthy, MFA, ***Chair***

The Visual and Performing Arts Education minor is an interdisciplinary and interdepartmental series of courses designed to introduce students to the field of arts education for multiple publics in general and specifically in relationship to the K-12 public school system; introduce students to the profession of the teaching artist and to a broad range of careers in the arts, including K-12 teaching, community arts education, museum education, creative arts therapies, and arts advocacy and to a variety of arts-related programs and cultural agencies, including community arts centers, museums, after-school programs, and nonprofit arts institutions; expand the ongoing dialogue and interaction between UCLA, extended Los Angeles community, K-12 public school system, and students in the arts; and extend the School of the Arts and Architecture commitment to UCLA and community partnerships by linking teaching and research with undergraduate education, civic engagement, and support for institutional priorities to improve the quality of life for Los Angeles residents.

Visual and Performing Arts Education Faculty Committee

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Lily Chen-Hafteck, PhD *(Music)*
Perry M. Daniel, MFA *(Theater)*
David H. Gere, PhD *(World Arts and Cultures/Dance)*
Miguel Gutierrez, MFA *(World Arts and Cultures/Dance)*
Kevin M. Kane, PhD *(School of the Arts and Architecture)*
Victoria E. Marks, BA *(World Arts and Cultures/Dance)*
Lauren L. McCarthy, MFA *(Design|Media Arts)*
Chandler McWilliams, MFA, MA *(Design|Media Arts)*
Hirsch Perlman, BA *(Art)*
Karen Hunter Quartz, PhD *(Education)*
David J. Roussève, BA *(World Arts and Cultures/Dance)*
Anna M. Sew Hoy, MFA *(Art)*
Cosmo D. Whyte, MFA *(Art)*

Minor

Visual and Performing Arts Education Minor

College / School

School of the Arts and Architecture

Department

Visual and Performing Arts Education

Level

Undergraduate

Overview

The Visual and Performing Arts Education minor is intended to supplement the education of undergraduate students enrolled in the Architectural Studies, Art, Art History, Dance, Design|Media Arts, Ethnomusicology, Music, Theater, and World Arts and Cultures majors.

Entry to the Minor

Admission

To apply to the minor, students must have completed at least 50 percent of the lower-division requirements of their specific majors and Arts Education M102 with a grade of B or better, be in good academic standing with an overall grade-point average of at least 2.7, and submit a minor application, which includes a concentration proposal to be developed in consultation with the Visual and Performing Arts Education director.

Minor Requirements

The Minor

Complete seven courses (28 to 32 units with a minimum of 24 upper-division units) as follows:

Core and Capstone Sequence

Complete the following three courses. Arts Education M192 and M192XP include a guided teaching experience.

- ARTS ED M102 - Introduction to Arts Education for Multiple Publics: Theory and Practice
- ARTS ED M192 - Arts Education Undergraduate Practicum: Preparation, Observation, and Practice
- ARTS ED M192XP - Arts Education Undergraduate Practicum and Capstone Project

Arts Education Requirement

Select two courses from the following. Arts Education 195 and 197 must be completed with 4 units minimum.

- ARTS ED 20 - Introduction to Community Engagement through Arts
- ARTS ED 101 - Selected Topics in Arts Education
- ARTS ED 103 - Socially Engaged Pedagogy in Arts
- ARTS ED 105 - Arts Programs in Correctional Institutions: History, Theory, and Practice

ARTS ED 195 - Community Internships in Arts Education

ARTS ED 197 - Individual Studies in Arts Education

Upper-Division Education Course

Complete one upper-division education course (list of recommended courses available from the Arts Education program office or the school Office of Student Services).

Upper-Division Elective

Complete one upper-division elective course (minimum 4 units) selected from arts education or, by petition, an arts education related course (list of recommended courses available from the Arts Education program office or the school Office of Student Services).

Policies

The Minor Policies

Lists of recommended courses are available from the Arts Education program office or the school Office of Student Services.

A minimum of 20 units applied toward the minor requirements must be in addition to units applied toward major requirements or another minor.

Each minor course must be taken for a letter grade. Successful completion of the minor is indicated on the transcript and diploma.

World Arts and Cultures/Dance Overview

You're now viewing the 2024-25 Catalog

School of the Arts and Architecture

150 Kaufman Hall
Box 951608
Los Angeles, CA 90095-1608

World Arts and Cultures/Dance
310-825-3951
Department e-mail

Janet M. O'Shea, PhD, ***Chair***
Alexander J. Flynn, PhD, ***Graduate Vice Chair, Culture and Performance***
Miguel Gutierrez, MFA, ***Graduate Vice Chair, Choreographic Inquiry***
Will J. Rawls, BA, ***Undergraduate Vice Chair, Dance***
David Delgado Shorter, PhD, ***Undergraduate Vice Chair, World Arts and Cultures***

Defined by a dynamic blend of theory and practice, the Department of World Arts and Cultures/Dance (WACD) is led by a renowned faculty of scholars, activists, curators, filmmakers, and choreographers dedicated to critical cross-cultural analysis and art-making. The department supports development of choreographic practice, exploration of digital media, curation of exhibitions, arts activistism, and development of scholarly expertise in culture and the arts. Multiple disciplines and artistic approaches encourage students to position their work within broad social contexts.

The World Arts and Cultures BA focuses on the study of societal change through a critical examination of art making across cultures, creativity across formats and genres, and social movements both historical and contemporary. The Dance BA integrates composition, training, and improvisation, while challenging

students to locate dance politically, culturally, and historically. The MFA in Choreographic Inquiry promotes expansive choreographic experimentation and engages with global discourses around the body and performance. The PhD program in Culture and Performance addresses areas of experimental ethnography, performance studies, dance studies, environmental humanities, and visual culture studies offering a unique interdisciplinary training that fosters groundbreaking independent research.

Department faculty direct various centers and initiatives, providing opportunities for students to learn in and from alternative spaces. Since 2015, the **Prison Education Program** has provided courses in seven carceral facilities in Southern California. The courses bring UCLA professors and students into prisons for classes and workshops with incarcerated students.

The **Art and Global Health Center** enables undergraduate and graduate students to explore art as a life-saving activity. The center's work addresses comprehensive sexual health education, women's empowerment, gender equality, LGBTQ identity and inclusion, anti-racism, and mental health.

The programs of the department are committed to academic excellence, diversity, freedom of expression, activism, and social transformation through the arts.

Undergraduate Study

The undergraduate program offers majors in Dance and in World Arts and Cultures.

The BA in Dance thoroughly integrates learning to dance, learning to make dances, and critical interrogation of dance as a cultural practice. Students study a variety of dance forms throughout their career. They enroll in a four-term sequence in dance composition, with additional opportunities to participate in the creation of their own dances, as well as work as dancers in the creation of new works by faculty members, visiting artists, and MFA students. Further, they engage in a core of four courses in the study of scholarly discourse around the body and dance, emphasizing critical inquiry of dance practice and embodiment, and what dance can do at a personal, political, social, and cultural level.

The BA in World Arts and Cultures highlights art making, activism, and community collaboration as key perspectives for understanding culture and society. Through coursework, which includes both the study and practice of creativity along with research, the department is committed to an education that challenges a solely textbook approach to learning. Responding to contemporary culture and politics, the critical analysis of information across a range of modalities is accentuated including social media, politics, ethnography, filmic representations, particularly documentaries, and the performative arts. Study often moves beyond a textbook method of learning, working regularly with community organizations, prisons, and Indigenous collectives.

All students are encouraged to complement the required set of core and elective departmental courses with others offered across campus, such as courses from ethnic and area studies programs. Students may organize their course of study in relation to particular interests or professional goals (e.g., international comparative studies; intercultural studies; education; area specializations such as Africa, Asia, or Latin America; minority discourse; gender studies). A key aspect of the required coursework emerges in both

lower-division and upper-division courses, where students learn from art practitioners working in diverse fields. While the mediums vary from year to year, they all provide hands on training in a workbench approach to studying art making across, and with, various communities. The coursework enables a student to decide in their junior year whether to pursue working on a specific praxis project, culminating with a senior showcase in their final year, or to develop a study sequence in preparation for life beyond the World Arts and Cultures program.

Graduate Study

The graduate program offers a PhD degree in Culture and Performance and a Master of Fine Arts (MFA) in Choreographic Inquiry.

Culture and Performance (CAP) students seek to generate knowledge from within a community-engaged framework through diverse theoretical lenses including experimental ethnography, corporeality and embodiment, visual and material culture, and critical curatorial studies. Through an emphasis on movement practice and artistic intervention, the program encourages research that critiques but also contributes to the visual and performing arts. A key premise of the program is an emphasis on interdisciplinary methodological training. While individual students' projects address diverse themes that require different approaches to operationalize, the CAP program's curriculum regarding research methodology grounds all endeavors in a rigorous, ethical methodological framework. Doctoral students are given the opportunity to engage with a broad survey of strategies for implementing a research design —depending on their project, they move between methodologies within the arts, ethnographic inquiry, activist strategies, and the core premises of the decolonial turn.

The MFA in Choreographic Inquiry is a two-year program designed to support and focus the research interests of choreographic artists and to prepare them for teaching at the university level. The program focuses on the ethics and aesthetics of art-making, exploring cultural and political issues that arise for contemporary artists, with an attention to dance-making in a global and interdisciplinary context.

While operating with considerable independence, the two graduate degree areas are unified by the department's common concern for aesthetic production, corporeality and performance, the dynamics of tradition, and community-embedded research practice. Connections are forged between critical theory and artistic practices, and attention is given to the changing social roles and responsibilities of artists, practitioners, and scholars of the arts in the U.S. and worldwide.

Career Prospects

Undergraduates and graduates have excelled in fields including technology and the arts, videography, curatorial practice, documentary work, public service, education, theatrical/events production, choreography and performing arts, urban planning, law, environmental activism, public health, and medicine. They have made careers in community nonprofits and activist groups, government arts agencies, museums, arts foundations, and academia.

Subject Areas

World Arts and Cultures/Dance courses are in the following subject areas:

- **Dance**
- **World Arts and Cultures**

World Arts and Cultures/Dance Faculty Roster

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Professors

Bryonn R. Bain, MA, JD
David H. Gere, PhD
Victoria E. Marks, BA
Janet M. O'Shea, PhD
Lionel A. Popkin, MFA
David J. Roussève, MFA
Peter M. Sellars, BA
David Delgado Shorter, PhD

Professors Emeriti

Judith B. Alter, EdD
Donald J. Cosentino, PhD
Irma Dosamantes-Beaudry, PhD
Elsie A. Dunin, MA
Susan L. Foster, PhD
Daniel Z. Froot, MFA
Michael O. Jones, PhD
Angelia Leung, MA, CMA
Judy M. Mitoma, MA
Peter Nabokov, PhD

Colin H. Quigley, PhD
Allen F. Roberts, PhD
Carol J. Scothorn, MA
Patricia A. Turner, PhD
Christopher A. Waterman, PhD

Associate Professors

Anurima Banerji, PhD
Miguel Gutierrez, MFA
Will J. Rawls, BA
Aparna Sharma, PhD

Assistant Professors

Tria Blu Wakpa, PhD
Ayasha C. Guerin, PhD
Alexander J. Flynn, PhD
Kate Ladenheim, MFA
Wendy Sung, PhD

Lecturers

Ajani Brannum, PhD
Gracelyn W. Coad, MA
Milka Djordevich, MFA
Robert W. Een, BA
Leigh R. Foaad, BA
Ginger Holguin, BFA
Annie R. Kahane, MFA
Johanna C. Kirk, PhD
Jackelyn G. Lopez, BA
Carol L. McDowell, MFA
Davida L. Persaud, PhD
Elena J. Phipps, PhD
Wilfried Souly, MFA
Ken Swift
Jesse M. Tandler, MFA
Natsuo Tomita
Jason C. Tsou, MS

Nathaniel J. Whitfield, MFA

Adjunct Professor

Ann M. Carlson, MFA

Academic Administrator

Wilna Julmiste Taylor, MS

Major

Dance BA

College / School

School of the Arts and Architecture

Department

World Arts and Cultures/Dance

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

All students take a set of courses as preparation for the Dance major that focus on the integration of dance and critical analysis. For students who transfer into the major, depending on the year of entry and prior coursework, lower-division preparatory coursework may be waived or substituted. When students

enter the major, they continue their studies of dance technique, composition, and analysis, and they also enroll in a primary and secondary research area.

The three research areas are (1) creative inquiry as research, (2) critical dance studies, and (3) dance and civic engagement. The creative inquiry as research area is grounded in contemporary choreography with a focus on dance-making and performing in a wide range of genres from throughout the world. Opportunities are provided for students to present their own choreography, to participate in performances by others, and to study performance production and videography. The critical dance studies area focuses on study of scholarship examining the body and dance, in their cultural and historical contexts. Courses in dance history, dance and culture, and dance as an identificatory practice are offered that enable students to analyze the rhetorical and ideological significance of dance. The dance and civic engagement area is grounded in the investigation and activist-oriented work of artists and the role of dance in the public sphere, and offers a wide range of courses in the nature of activism as well as opportunities for fieldwork, education internships, and other forms of community involvement.

Students select one area as their primary area and another as their secondary area. Elective options provide further deepening of student knowledge and skills in any or all of the areas. Students may also consider courses from programs outside the department and may organize their course of study in relation to their particular interests.

Students who wish to confer with the departmental student affairs officer regarding program planning and major requirements should contact the undergraduate counselor.

Learning Outcomes

1. Choreography of dances in various settings, cultural contexts, and media, with emphasis on progressive approaches
2. Creative problem-solving of issues tied to arts and activism, dance-making, and producing in multiple formats, in an intercultural and interdisciplinary context
3. Think critically about the relationship between aesthetics and politics through choreography, written analysis, and multiple research methods
4. Demonstrated advanced proficiency in at least two movement disciplines
5. Analysis of vocabulary, location, and syntax of dance works

6. Analysis of political, cultural, and historical implications of dance works

7. Demonstrated ability to understand and implement collaboration in an art-making practice

8. Written and oral recognition and synthesis of key concepts in critical dance studies

Entry to the Major

Admission

New students are admitted to the Dance major for fall quarter only. All applicants must submit a supplemental application for department review, which includes a dance audition, transcripts, and extra written materials. Students must complete both the UC application and department supplement in order to be considered for admission. Specific information on the admission process as well as academic eligibility requirements can be found on the school website.

Change of major applications are considered once a year. Current UCLA students who petition to change their major are required to meet with the student affairs officer prior to application, but no later than the eighth week of fall quarter in order to participate in the departmental supplemental application process during fall/winter quarters for admission into the program the following spring or fall quarter. They are required to take selected departmental courses before and during the term in which they apply to the program (contact the student affairs officer for a list of selected courses). They must have a minimum 2.0 overall grade-point average, a minimum 2.0 GPA in all departmental courses taken, and no more than 90 quarter units at the time of application. All students are required to audition in early winter quarter and may be interviewed as part of the application process.

Major Requirements

Preparation for the Major

Complete the following seven courses:

DANCE 1 - Global Perspectives on Dance

DANCE 16 - Beginning Improvisation in Dance

DANCE 44 - World Dance Histories

DANCE 45 - Introduction to Dance Studies

DANCE 67A - Theories and Methods in Dance Composition I: Languages

DANCE 67B - Theories and Methods in Dance Composition II: Processes

DANCE 70 - Production Practicum

The Major

Complete three required courses, 12 units in areas, and 40 units in Movement Arts/Dance as follows. Students also have the option to propose a senior project through Dance 186A and 186B.

Required Courses

Complete the following three courses:

DANCE 101 - Theories of Dance

DANCE 117A - Theories and Methods in Dance Composition III: Locations

DANCE 117B - Theories and Methods in Dance Composition IV: Impacts

Areas

Select 12 units (minimum three courses) from the following areas, or other upper-division courses with faculty approval:

CREATIVE INQUIRY AS RESEARCH

DANCE 114 - Performance Practicum

DANCE 116 - Advanced Improvisation in Dance

DANCE 117C - Advanced Topics in Choreography

DANCE 118 - Advanced Performance Practicum

DANCE C122 - Music and Dance Collaborations

DANCE C171 - Dance Production: Variable Topics

DANCE 174A - Projects in Dance

DANCE C174B - Projects in Dance

DANCE C180 - Dance for Camera

CRITICAL DANCE STUDIES

DANCE C145XP - Selected Topics in Dance Studies

DANCE C152 - History and Theory of Modern/Postmodern Dance

DANCE M157 - Rechoreographing Disability

DANCE 160 - Topics in Body Mechanics

DANCE 182 - Dance and Visual Media

WL ARTS 199 - Directed Research in World Arts and Cultures

DANCE AND CIVIC ENGAGEMENT

No more than 8 units of courses 160 may be applied toward this area.

DANCE CM168 - Art-Making beyond the Campus

DANCE C184 - Production Arts Seminar

WL ARTS 100A - Art as Social Action

WL ARTS 100B - Art as Moral Action

WL ARTS 103 - Arts in Communities

WL ARTS 144 - Make Art/Stop AIDS

WL ARTS 160 - Performing Sexual Health: UCLA Sex Squad

WL ARTS 177XP - Taking Action: Arts Practice and Community Service

WL ARTS 195 - Community or Corporate Internships in World Arts and Cultures

Movement Arts/Dance Practices

Complete a total of 40 units of practice courses. A minimum of two technique courses per term until completion is strongly recommended.

GROUP 1

Select 30 of the total 40 units from the following. A minimum of 6 units of a first style and 4 units of a second style must be at the advanced level.

DANCE 6 - Beginning West African Dance

DANCE 9 - Beginning Hip-Hop Dance

DANCE 13 - Beginning Ballet

DANCE 15 - Beginning Modern/Postmodern Dance

DANCE 16 - Beginning Improvisation in Dance

DANCE 56 - Intermediate West African Dance

DANCE 59 - Intermediate Hip-Hop Dance

DANCE 63 - Intermediate Ballet

DANCE 65 - Intermediate Modern/Postmodern Dance

DANCE C106A - Advanced West African Dance

DANCE C113A - Advanced Ballet

DANCE C115 - Advanced Modern/Postmodern Dance

DANCE 116 - Advanced Improvisation in Dance

GROUP 2

ten of the total 40 units may be selected from the following. No more than 8 units of World Arts and Cultures 78 or 178 may be applied toward this requirement.

DANCE 5 - Moving Voice

DANCE 10 - Beginning Martial Arts

DANCE 11 - Yoga

DANCE 12 - Beginning Special Topics

DANCE 16 - Beginning Improvisation in Dance

DANCE 52 - Intermediate Special Topics

DANCE 60 - Intermediate Martial Arts

DANCE C112A - Advanced Special Topics

DANCE 116 - Advanced Improvisation in Dance

DANCE 160 - Topics in Body Mechanics

WL ARTS 55 - Intermediate World Arts Practices in Global and Transcultural Forms

WL ARTS 78 - Private Instruction in World Arts and Cultures

WL ARTS 80 - Video Tools and Techniques

WL ARTS 178 - Advanced Private Instruction in World Arts and Cultures

Senior Project

Students may participate in a senior project consisting of 8 additional units. The project provides students with opportunity to demonstrate mastery and integration of knowledge and learned abilities from the major. The project may take various forms—from choreographic performance projects or an academic research paper to field/internship work in an identified area of research focus. With faculty advising, students must declare their intent to participate by spring quarter of their junior year. They identify a faculty mentor and work closely with that person on the development of the project, submitting a senior project proposal for faculty approval by the beginning of the senior year. In their senior year they enroll in a two-term course sequence (Dance 186A, 186B) to coordinate and present their research findings. Students must have a minimum of 8 units in Creative Inquiry as Research to apply for the senior project.

DANCE 186A - Senior Projects in Dance

DANCE 186B - Senior Projects in Dance

Major

World Arts and Cultures BA

College / School
School of the Arts and Architecture

Department
World Arts and Cultures/Dance

Degree Level

Undergraduate

Degree Objective

Bachelor of Arts

Overview

The World Arts and Culture major emphasizes a cross-cultural and interdisciplinary approach to the study of art making, community engagement, and multimedia analysis. The five required preparation for the major courses introduce students to the intersectionality evidenced in the collective work of the faculty. A

lower-division, practice-based course enables students to connect the practice and study of art-making across a variety of genres and forms. In three lower-division seminars, students are prepared for the major by studying theoretical concepts of culture, the tensions between local and global art perception, and the diverse ways that colonialism has been understood and resisted around the globe.

Building upon the foundational preparation courses, the required core courses of the major expand interpretive lenses to include ethics of representation, methods of research, an opportunity to build upon one's practice-based experience, and a one-credit course that connects students with faculty advisers to increase awareness of field-specific scholarship, disciplinary methods, and various genres and forms for intellectual output, particularly as these might be articulated with post-graduate aspiration.

Students in the major have the option to pursue a senior praxis project. Working with faculty advisers, students will be able to develop a performance, film, event, multimedia production, and other possible forms of evidence of their education in the department.

Students who wish to confer with the departmental student affairs officer regarding program planning and major requirements should contact the undergraduate counselor.

Learning Outcomes

1. Demonstrated critical analyses of a variety of approaches to visual and performance-based art making and activism in cross-cultural contexts
2. Interpretation of and, in some cases, conduc-tion of field-based research within specific communities
3. Demonstrated ability to conceptualize, plan, and exercise art, curatorial, and/or ethnographic projects that reflect a dynamic dialog between theory and practice
4. Demonstrated sensitivity to diversity and cultural differences, particularly as articulated within various forms of governance, national and international policy, transnational art and curatorial practices, and museum and heritage sites
5. Development of informed interpretations, not only of the way that art functions within communities but also how the links between art and community and created and represented

6. Articulation of the value of civic engagement within a variety of arts-oriented social contexts

Entry to the Major

Admission

New students are admitted to the major for fall quarter only. All applicants submit a supplemental application for department review, which includes additional written materials and transcripts. Students must complete both the UC application and department supplement in order to be considered for admission. Specific information on the admission process as well as academic eligibility requirements can be found on the school website.

Change of major applications are considered once a year. Current UCLA students who petition to change their major are required to meet with the student affairs officer prior to application, but no later than the eighth week of fall quarter in order to participate in the departmental supplemental application process during fall/winter quarters for admission into the program the following spring or fall quarter. They are required to take selected departmental courses before and during the term in which they apply to the program (contact the student affairs officer for a list of selected courses). They must have a minimum 2.0 overall grade-point average, a minimum 2.0 GPA in all departmental courses taken, and no more than 90 quarter units at the time of application. Students may be interviewed as part of the application process.

Major Requirements

Preparation for the Major

Complete the following five courses:

- WL ARTS 1 - Introduction to World Arts and Cultures
- WL ARTS 2 - Lower-Division Seminar
- WL ARTS 20 - Culture: Introduction
- WL ARTS 24 - World Arts, Local Lives
- WL ARTS 33 - Colonialisms and Resistance

The Major

Complete five courses and 25 units of electives as follows:

Art as Action

Select one course from the following:

- WL ARTS 100A - Art as Social Action
- WL ARTS 100B - Art as Moral Action

Required Courses

Complete the following four courses:

- WL ARTS 102 - Upper-Division Seminar
- WL ARTS 104 - Representations: Theories and Practices
- WL ARTS 124 - Introduction to Field-Based Research Methods
- WL ARTS 185 - Junior-Year Proposal

Electives

Select 25 units from any World Arts and Cultures elective courses, or other upper-division courses with faculty approval.

Senior Praxis Project

Students may choose to complete a senior praxis project by completing 15 units of elective coursework and the following two courses (or 10 units of equivalent coursework with faculty approval). World Arts and Cultures 2 and 102 provide the foundational training in making practice-based techniques. Students begin to identify a project in the required World Arts and Cultures 185 Junior-Year Proposal course during their junior year. With the support of their instructor, students can be approved to choose the senior praxis project during their final three quarters of enrollment. Projects may include written theses, visual ethnographies, short films, curatorial projects, installations, short films, internships, community service, field-based research, as well as other formats. Projects are crafted in close consultation with faculty advisers to provide capstone experiences that draw together ideas and abilities from their WAC/D curriculum while positioning students for postgraduate opportunities.

- WL ARTS 186A - Senior Praxis Projects in World Arts and Cultures

WL ARTS 186B - Senior Praxis Projects in World Arts and Cultures

Major

Choreographic Inquiry MFA

College / School

School of the Arts and Architecture

Department

World Arts and Cultures/Dance

Degree Level

Graduate

Degree Objective

Master of Fine Arts

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Major

Culture and Performance MA, PhD

College / School

School of the Arts and Architecture

Department

World Arts and Cultures/Dance

Degree Level

Graduate

Degree Objective

Master of Arts, Doctor of Philosophy

Overview

The master's degree may be earned only in the process of completing PhD requirements.

Graduate Requirements

Program Requirements

Official, specific degree requirements are detailed in program requirements for UCLA graduate degrees, available at the Division of Graduate Education website. In many cases, more detailed guidelines may be outlined in announcements, other publications, and websites of the schools, departments, and programs.

Writing Programs Overview

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College of Letters and Science

146 Kaplan Hall
Box 951384
Los Angeles, CA 90095-1384

Writing Programs
310-206-1145

Christine Holten, MA, ***Director***
Jeremy C. Kelley, PhD, ***Associate Director***

Writing Programs is committed to inclusive pedagogy and student success, serving undergraduates through a curriculum in composition and English as a second language (ESL), as well as through the **Undergraduate Writing Center** (UWC). Writing Programs serves as the chief resource for writing and English language instruction through entry-level writing, first-year composition, writing-in-the-disciplines, and professional writing courses. Its courses play a vital role in preparing undergraduates from diverse linguistic and academic-skill backgrounds to succeed as writers/communicators in their UCLA studies as well as in future professional contexts. Writing Programs' courses facilitate discovery, understanding, analysis, inspiration, community building, and global citizenship.

In addition, Writing Programs serves international graduate students as writers and communicators through graduate-level academic writing courses that satisfy the UCLA ESL requirement, elective writing workshop courses, and oral communication courses for international students who plan to serve as TAs and need to satisfy the Test of Oral Proficiency (TOP) requirement.

During the summer, matriculated UCLA students can complete some of their undergraduate writing requirements. Writing Programs also offers international summer visitors a suite of second language writing and communication courses.

Writing Programs works closely with the Office of Equity, Diversity, and Inclusion to help all students experience academic belonging, and bring together members of the UCLA and Los Angeles communities through service learning courses, summer bridge programs for high school students, the UCLA prison education program, and public events. Writing Programs educational initiatives promote the impact of writing, writ large, around issues of self expression, public discourse, diversity, and experiential learning.

Undergraduate Study

The undergraduate curriculum develops writing skills in linguistic, visual, and digital forms, and encourages students to see the classroom as a place to be challenged by new ideas, to investigate, problem-solve, reflect, imagine, think and rethink, and ultimately, to learn. Writing Program's undergraduate teaching mission is extended by the UWC, which aids thousands of students annually from all disciplines and all divisions at UCLA to communicate effectively in their coursework.

Entry-Level Writing

Every student who does not satisfy the Entry-Level Writing requirement by presenting transfer credit or acceptable test scores is required to take, as early as possible during the first year in residence, English Composition 1, 2, or 4 as determined by performance on the Analytical Writing Placement Examination (AWPE). Students who have not otherwise satisfied the Entry-Level Writing requirement and who have not taken the AWPE before entering UCLA must take it in their first term. For more information regarding **Entry-Level Writing**, see Degree Requirements in Undergraduate Study.

English as a Second Language Requirement

All entering undergraduate students whose native language is not English and who have not otherwise satisfied the English as a Second Language (ESL) requirement may be required to take one or more English composition courses designed for multilingual students (1, 2, and 4). First-year undergraduate students are placed in the courses based on the AWPE. Transfer students are placed in the courses based on the UCLA English as a Second Language Placement Examination (ESLPE). Transfer students who are required to take the ESLPE include those who have not yet satisfied the Intersegmental General Education Transfer Curriculum (IGETC), and those held at the discretion of Undergraduate Admission. The ESLPE may be taken once only.

Graduate Study

A curriculum in writing pedagogy for graduate students is also offered. Graduate writing instructors from across campus benefit from intensive writing pedagogy training as preparation for teaching freshman composition (satisfies Writing I requirement) and writing in the disciplines (satisfies Writing II requirement). Writing Programs also provides writing pedagogy training for teaching assistants (TAs) in the Samueli

School of Engineering, and the general education freshman cluster program, and the Freshman Summer Program and Transfer Summer Program in partnership with the Academic Advancement Program. Teaching assistants interested in expanding their professional teaching profile as writing specialists can pursue a graduate certificate in Writing Pedagogy and participate in the certificate's annual teaching symposium.

English as a Second Language Requirement

All entering graduate students whose native language is not English and who have not otherwise satisfied the English as a Second Language (ESL) requirement may be required to take one or more ESL courses. Students are placed in the courses based on the UCLA English as a Second Language Placement Examination (ESLPE) and may be held for up to two ESL courses (300, 301).

The following students are exempt from the ESL requirement: students who hold a bachelor's or higher degree from a university located in the U.S. or in another country (e.g., Australia, Barbados, Canada, Ireland, Jamaica, New Zealand, United Kingdom) in which English is both the primary spoken language of daily life and the medium of instruction, or who have completed at least two years of full-time study at such an institution; and students with a score of 100 or better on the Test of English as a Foreign Language Internet-Based Test (TOEFL iBT), or at least a 7.5 overall band score on the International English Language Testing System (IELTS) examination. See **international applicants** in Graduate Study.

Graduate Certificate

Writing Programs offers a graduate certificate in Writing Pedagogy.

Subject Areas

Writing Programs courses are in the following subject areas:

- **English as a Second Language**
- **English Composition**

Writing Programs Faculty Roster

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Senior Lecturers

Margaret E. Davis, MA
Esha Niyogi De, PhD
Shelby A. Popham, PhD
Gregory J. Rubinson, PhD

Lecturers

Teddi L. Chichester, PhD
Tamar S. Christensen, MA
Shane Crosby, PhD
Nathan A. Deuel, MFA
Dominiqua Dickey, MFA
Randall J. Fallows, PhD
Jeroen Gevers, PhD, CPhil
Carlos Rafael Gomez, MFA
Laura A. Hartenberger, MA
Yingliang Elvin He, PhD
Thomas A. Hitchner, PhD
Christine Holten, MA
Laila D. Hualpa, PhD
Darien B. Johnson, MFA
Logan M. Juliano, PhD
Jeremy C. Kelley, PhD
Rachel L. Ketai, PhD

David M. Kipen, BA
Maja Manojlovic, PhD
Andrew M. Martínez, PhD
Lauri M. Mattenson, MA
Mia L.G. McIver, PhD
Nedda Mehdizedeh, PhD
Michele L. Moe, PhD
Gabriel B. Page, PhD
Jada Patchigondla, MA
Tara L. Prescott-Johnson, PhD
Susannah Rodriguez Drissi, PhD
Mary G. Samuelson, PhD
Leslie A. Sherwood, MS
Bruce D. Stone, MFA
Daniel B. Sussman JD, PhD
Tianfang Sally Wang, PhD
Raffi J. Wartanian, MFA
Dana Cairns Watson, PhD
Amber I. West, PhD
Laurel A. Westrup, PhD

Appendix A: University Administrative Officers

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University of California administrative officers include the systemwide Board of Regents, Office of the university president, and chancellors of the ten state campuses. UCLA officers include administrative and academic executives, and deans of the College and schools.

UC Board of Regents

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Terms of **Regents** appointed by the Governor expire March 1 of the year in parentheses. The student Regent and alumni Regents serve a one-year term beginning July 1 and ending June 30 of the year shown.

UC Regents Ex Officio

Michael V. Drake, *President of the University*
Eleni T. Kounalakis, *Lieutenant Governor of California*
Gavin C. Newsom, *Governor of California*
Geoffrey Pack (2025), *Vice President, Alumni Associations of UC*
Robert Rivas, *State Assembly Speaker*
Alfonso Salazar (2025), *President, Alumni Associations of UC*
Tony K. Thurmond, *State Superintendent of Public Instruction*

Appointed UC Regents

Maria Anguiano (2028)
Elaine E. Batchlor (2033)
Carmen Chu (2030)
Michael Cohen (2030)
Gareth Elliott (2025)
Howard Peter Guber (2029)
Jose M. Hernandez (2033)
Nancy Lee (2036)
Richard Leib (2026)
Hadi Makarechian (2032)

Ana Matosantos (2034)
Lark Park (2029)
John A. Pérez (2036)
Janet Reilly (2028)
Mark Robinson (2034)
Gregory Sarris (2026)
Richard Sherman (2025)
Jonathan Jay Sures (2032)
Josiah Beharry (2025), *Student Regent*

Faculty Representatives

Steven Cheung (2025), *Senate Chair*
Ahmet Palazoglu (2025), *Senate Vice Chair*

Staff Adviser

Andenet Emiru (2025), *UC Health*

Officers of the Regents

Maria Anguiano, *Vice Chair*
Alexander Bustamante, *Executive Vice President; Chief Compliance and Audit Officer*
Tricia Lyall, *Secretary and Chief of Staff*
Gavin C. Newsom, *President*
Janet Reilly, *Chair*
Charles F. Robinson, *Senior Vice President; General Counsel*
Jagdeep Singh Bachher, *Vice President, Investments; Chief Investment Officer*

UC Office of the President

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Michael V. Drake, *University President*
Nathan Brostrom, *Executive Vice President; Chief Financial Officer*
Rachael Nava, *Executive Vice President; Chief Operating Officer*
Katherine S. Newman, *Executive Vice President, Academic Affairs; Provost*
David Rubin, *Executive Vice President; UC Health*
Alexander Bustamante, *Senior Vice President; Chief Compliance and Audit Officer*
Michael Reese, *Senior Vice President, External Relations and Communication (Interim)*
Charles F. Robinson, Senior *Vice President; General Counsel*
Jagdeep Singh Bachher, *Vice President, Investments; Chief Investment Officer*
Pamela Brown, *Vice President, Institutional Research and Academic Planning*
Yvette Gullatt, *Vice President, Graduate, Undergraduate, and Equity Affairs; Vice Provost; Chief Diversity Officer*
Glenda Humiston, *Vice President, Agriculture and Natural Resources*
Cheryl Lloyd, *Vice President, Human Resources*
Theresa A. Maldonado, *Vice President, Research and Innovation*
Van Williams, *Vice President, Information Technology Services; Chief Information Officer*
June Yu, *Vice President, National Laboratories (Interim)*
Kathleen Fullerton, *Associate Vice President, State Government Relations*
Christopher Harrington, *Associate Vice President, Federal Government Relations*

UC Campus Chancellors

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Carol T. Christ, *Berkeley*
Julio J. Frenk Mora, *Los Angeles* (effective January 1, 2025)
Howard Gillman, *Irvine*
Sam Hawgood, *San Francisco*
Darnell M. Hunt, *Interim*, *Los Angeles*
Pradeep K. Khosla, *San Diego*
Cynthia K. Larive, *Santa Cruz*
Gary S. May, *Davis*
Juan Sánchez Muñoz, *Merced*
Kim A. Wilcox, *Riverside*
Henry T. Yang, *Santa Barbara*

UCLA Administrative Officers

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Julio J. Frenk Mora, *Chancellor (effective January 1, 2025)*
Darnell M. Hunt, *Executive Vice Chancellor and Provost; Chancellor (Interim)*
Stephen J. Agostini, *Vice Chancellor; Chief Financial Officer*
Michael J. Beck, *Administrative Vice Chancellor*
Monroe Gorden, Jr., *Vice Chancellor, Student Affairs*
Michael S. Levine, *Vice Chancellor, Academic Personnel*
John C. Mazziotta, *Vice Chancellor, Health Sciences*
Ina M. Bryant, *Vice Chancellor, Legal Affairs (Interim)*
Mary Osako, *Vice Chancellor, Strategic Communications*
Rhea Turteltaub, *Vice Chancellor, External Affairs*
Roger M. Wakimoto, *Vice Chancellor, Research*
Mitchell J. Chang, *Vice Provost, Equity, Diversity, and Inclusion (Interim)*
C. Cindy Fan, *Vice Provost, International Studies and Global Engagement*
Erin Sanders O'Leary, *Vice Provost, Teaching and Learning*
David K. Yoo, *Vice Provost, Institute of American Cultures*
Athena N. Jackson, *University Librarian*
Kate Jakway-Kelly, *University Registrar (Interim)*

Deans of the UCLA College and Schools

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College of Letters and Science

- Alexandra Minna Stern, *Humanities Division*
- Tracy L. Johnson, *Life Sciences Division*
- Miguel A. García-Garibay, *Senior Dean, Physical Sciences Division*
- Abel Valenzuela, *Social Sciences Division*
- Adriana Galván, *Undergraduate Education Division*

Lionel A. Popkin, *School of the Arts and Architecture (Interim)*

Paul H. Krebsbach, *School of Dentistry*

Christina A. Christie, *School of Education and Information Studies*

Ah-Hyung (Alissa) Park, *Henry Samueli School of Engineering and Applied Science*

Susan L. Ettner, *Graduate Education*

Michael E. Waterstone, *School of Law*

Antonio E. Bernardo, *John E. Anderson Graduate School of Management*

Ronald S. Brookmeyer, *Jonathan and Karin Fielding School of Public Health*

Brian E. Kite, *School of Theater, Film, and Television*

Steven M. Dubinett, *David Geffen School of Medicine*

Anastia Loukaitou-Sideris, *Meyer and Renee Luskin School of Public Affairs (Interim)*

Eileen L. Strempel, *Herb Alpert School of Music*

Lin Zhan, *School of Nursing*

Eric A. Bullard, *University Extension, Continuing Education*

Appendix B: Endowed Chairs

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Although UCLA is a public institution, private gifts are increasingly important in maintaining the quality of the three missions of education, research, and community service. Among the principal forms of private support are endowed professorships, or chairs, which support the educational and research activities of distinguished faculty members.

As of publication, UCLA has 596 endowed chairs that have been approved by the UC Office of the President.

College of Letters and Science Endowed Chairs

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Armen A. Alchian Chair in Economic Theory
Maurice Amado Chair in Sephardic Studies
Jahangir and Eleanor Amuzegar Chair in Iranian Studies
Aris Anagnos Family Chair in Hellenic Studies
Joyce Oldham Appleby Endowed Chair of America in the World
Robert E. Archer Chair in the Study of Religion
Thomas M. Asher Endowed Chair in Microbiology
George and Nouhad Ayoub Chair in Life Sciences Innovation
Marilyn Beaudry-Corbett Endowed Chair in Mesoamerican Archaeology
Bedari Kindness Institute Endowed Chair
Mani L. Bhaumik Presidential Endowed Chair in Theoretical Physics
Paul D. Boyer Professorship in Molecular Biology and Biochemistry
Henry J. Bruman Chair in German History
Dr. E. Bradford Burns Chair in Latin American Studies
Jules Brenner Endowed Chair in Molecular, Cell, and Developmental Biology
Robert N. Burr Endowed History Department Chair
Chair of California and the American West
Edward W. Carter Chair in European Art
Charles W. Clifford, Jr., Chair in Chemistry and Biochemistry
James and Carol Collins Chair in College of Letters and Science
Brian P. Copenhaver Chair
Lloyd E. Cotsen Chair in Archaeology
D.J. and J.M. Cram Chair in Organic Chemistry
Lore and Gerald Cunard Chair in UCLA/Getty Conservation Program
Charles E. Davidson Endowed Chair in Economics

Charles E. Davidson Endowed Term Chair in Economics
De Logi Chair in Biological Sciences
Donald R. Dickey Chair in Vertebrate Biology
A. Richard Diebold, Jr., Endowed Chair
Distinguished Chair in Environment and Sustainability
Navin and Pratima Doshi Chair in Indian Studies
Dubchansky Endowed Chair in Economics
Dunn Family Endowed Chair in Data Theory
Mr. and Mrs. C. N. Flint Professorship in Philosophy
Christopher S. Foote Term Chair
Evan Frankel Endowed Chair
Andrea M. Ghez Centennial Term Chair in Astronomy and Astrophysics
Benjamin Graham Centennial Endowed Chair in Value Investing
Gloria and Paul Griffin Chair in Philosophy
Haruhisa Handa Professorship in Shinto Studies
Lawrence Harding Endowed Chair
Bruce Hayes Centennial Term Chair in Linguistics
John Charles Hillis Chair in Literature
Marvin Hoffenberg Chair in American Politics and Public Policy
Dr. Myung Ki Hong Endowed Chair in Materials Innovation
Dr. Myung Ki Hong Endowed Chair in Polymer Science
Walter Hopps Chair in Modern and Contemporary Art
Richard Hovannisian Chair in Modern Armenian History
Marcia H. Howard Term Chair in Literary Studies
Mark Allen Itkin Centennial Chair in Communication Honoring Andrea L. Rich
June and Alex Jaffee Chair in Women and Politics
Wendell Jeffrey and Bernice Wenzel Term Chair
in Behavioral Neuroscience
Michael and Alice Jung Endowed Chair in Medicinal Chemistry and Drug Discovery
Sady and Ludwig Kahn Chair in Jewish History
Penny Kanner Endowed Chair in Women’s Studies
Renée and David Kaplan Presidential Endowed Chair in Philosophy
Fred Kavli Chair in Nanosystems Sciences
Kershaw Chair in Ancient Eastern Mediterranean Studies
Ibn Khaldun Endowed Chair in World History
Leon and Joanne V.C. Knopoff Chair in Physics and Geophysics
Alexander and Renee Kolin Endowed Professorship in Molecular Biology and Biophysics
George P. Kolovos Family Centennial Term Chair in Hellenic Studies
Venu and Ana Kotamraju Endowed Chair in Economics
Lauren B. Leichtman and Arthur E. Levine Astrophysics Endowed Chair
Madeleine L. Letessier Chair in French and Francophone Studies
Thomas E. Lifka Chair in History
Kevin Love Fund Centennial Chair

Vladimir and Lydia Markov Chair in Russian Literature
John McTague Career Development Chair
Dorothy L. Meier Social Equities Chair
Anne K. Mellor Presidential Chair in Women's Writing
Ronald J. Mellor Chair in Ancient History
Sherie and Donald Morrison Chair in Immunology
Sherie L. Morrison Chair in Microbiology, Immunology, and Molecular Genetics
Morrison Family Endowed Chair
Franklin D. Murphy Chair in Italian Renaissance Studies
Narekatsi Chair in Armenian Studies
Gary B. Nash Endowed Chair in United States History
Waldo W. Neikirk Term Chair
LeRoy Neiman Term Chair
Nickoll Family Endowed Chair in History
1939 Society Samuel Goetz Chair in Holocaust Studies
Joan Palevsky Chair in Classics
Pourdavoud Endowed Director's Chair
Presidential Chair in Chemistry
Presidential Chair in Modern European History, Art, and Culture
Presidential Chair in Molecular Cell Biology
President's Chair in Developmental Immunology
Howard and Astrid Preston Term Chair in Astrophysics
Pritzker Chair in Environment and Sustainability I
Pritzker Chair in Environment and Sustainability II
Ramanujan Visiting Professorship
Hans Reichenbach Chair in Scientific Philosophy
Peter Reill Chair in European History (1450 to Modern)
Howard Reiss Career Development Chair
John D. and Edith M. Roberts Term Chair in Organic Chemistry
Maria Rowena Ross Term Chair in Biological Sciences
Michael and Irene Ross Endowed Chair in Yiddish Studies
Marcie H. Rothman Presidential Chair in Food Studies
Musa Sabi Chair in Iranian Studies
Edward W. Said Professorship in Comparative Literature
David Saxon Presidential Term Chair in Mathematics
David Saxon Presidential Term Chair in Physics
David S. Saxon Presidential Chair in Physics
Randy Schekman and Sabeeha Merchant Centennial Term Chair
David O. Sears Presidential Endowed Chair in Division of Social Sciences
Johanna F. and Joseph H. Shaper Family Chair in Microbiology
Shapiro Family Endowed Chair in Modern Political Theory
Joan Silsbee Chair in African Cultural Archaeology
Louis B. Slichter Chair in Geophysics and Planetary Physics

Louis B. and Martha B. Slichter Endowed Chair in Geosciences
Kenneth L. Sokoloff Chair in Economic History
Charles Speroni Chair in Italian Literature and Culture
Staglin Family Chair in Psychology
Steinmetz Chair in Classical Archaeology and Material Culture
Irving and Jean Stone Endowed Chair I
Irving and Jean Stone Endowed Chair II
Irving and Jean Stone Endowed Chair III
Jean Stone Chair
Keith and Cecilia Terasaki Endowed Chair in Physical Sciences
Keith and Cecilia Terasaki Presidential Endowed Chair in Division of Life Sciences
Kenneth N. Trueblood Endowed Chair in Chemistry and Biochemistry
Richard P. and Linda S. Turco Term Chair
UCLA Chuck Lorre Scholars Program Faculty Chair
UCLA Foundation Chair
Viterbi Family Endowed Chair in Mediterranean Jewish Studies
Alexander von Humboldt Endowed Chair in Geography
Walter and Shirley Wang Endowed Chair in Medicinal Drug Discovery
Scott Waugh Endowed Chair in Division of Social Sciences
Eugen Weber Chair in Modern European History
Robert and Dorothy Wellman Chair in Medieval History
Bernice Wenzel and Wendell Jeffrey Term Endowed Chair in Behavioral Neuroscience
Bernice Wenzel and Wendell Jeffrey Term Endowed Chair in Cognitive Neuroscience
Bernice Wenzel and Wendell Jeffrey Term Endowed Chair in Developmental Neuroscience
Dean M. Willard Chair in Chemistry
Raymond A. and Dorothy A. Wilson Endowed Term Chair
Saul Winstein Chair in Organic Chemistry
Linda and Fred Wudl Term Chair
Tadashi Yanai Endowed Chair in Japanese Literature
Kyoko Yuki and Masamichi Takesaki Endowed Chair in Operator Algebras
Stanley M. Zimmerman Endowed Chair in Economics and Finance
Jeffrey and Helo Zink Endowed Professional Development Term Chair in Chemistry

School of the Arts and Architecture Endowed Chairs

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Alma M. Hawkins Memorial Chair
S. Charles Lee Chair in Architecture and Urban Design
Harvey S. Perloff Chair
Lynda and Stewart Resnick Endowed Chair in Art
UCLA Art Council Professorship in Art

School of Dentistry Endowed Chairs

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Alumni and Friends Oral and Maxillofacial Surgery Endowed Chair
Alumni and Friends Presidential Endowed Chair
Thomas R. Bales Chair in Orthodontics
Thomas K. Barber Endowed Chair in Pediatric Dentistry
Naomi and Jim Ellison Endowed Chair
Lee Family Endowed Chair
Momentum Endowed Chair in Special Patient Care
Nobel Biocare Endowed Chair in Surgical Implant Dentistry
Dr. No-Hee Park Chair in Dentistry
Tarrson Family Endowed Chair in Periodontics
Jack A. Weichman Chair in Endodontics
Bob and Marion Wilson Endowed Chair
Felix and Mildred Yip Endowed Professorship in Dentistry

David Geffen School of Medicine Endowed Chairs

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William S. Adams, MD, Chair in Medicine
Ahmanson Chair in Ophthalmology
Mary D. Allen Chair in Vision Research
Lori Altshuler Endowed Chair in Mood Disorders
Harlan C. Amstutz, MD, Endowed Chair in Arthroplasty
Wallis Annenberg Endowed Chair in Integrative East-West Medicine
Leonard Apt Endowed Chair in Pediatric Ophthalmology
Archstone Foundation Endowed Chair in Geriatrics
Stephen J. Ryan–Arnold and Mabel Beckman Foundation Chair
Casey Lee Ball Endowed Chair in Pediatric Nephrology
Wiley F. Barker Chair in Vascular Surgery
Kamal A. Batniji, MD, Endowed Chair for Humanitarian Care and Innovation in Laryngology and Head and Neck Surgery
Dena Bat-Yaacov Endowed Chair in Psychiatry
Ulrich Batzdorf, MD, Chair in Spinal Neurosurgery
Louis D. Beaumont Chair in Surgery
Donald P. Becker, MD, Term Chair in Neurosurgery
Donald and Vivienne Bellisario Chair
Jerome L. Belzer Chair in Medical Research
Lillian and Alvin L. Bergman Chair in Vascular Research
Bing Professorship in Urologic Research
Anna and Harry Borun Chair in Geriatrics/Gerontology
Bowyer Professorship in Medical Oncology
Saul Brandman Endowed Chair in Pulmonary Arterial Hypertension
Judson Braun Chair in Biological Psychiatry

Geri and Richard Brawerman Chair in Pediatric Neurosurgery
Gary L. Brinderson Family Chair in Neuro-Intensive Care
Eli and Edythe L. Broad Foundation Chair in Inflammatory Bowel Disease Research
Rubin Brown Chair in Pediatric Neurology
Walter Brutsch Endowed Chair
Burnett Family Chair
Ronald W. Busuttil, MD, PhD and Sidney Kimmel Endowed Chair in Transplantation Surgery
Thomas C. Calcaterra, MD, Chair in Head and Neck Surgery
Joseph Campbell Chair of Child Psychiatry
Iris Cantor Chair in Breast Imaging
Iris Cantor Endowed Chair in Women's Health
Edward W. Carter Chair in Internal Medicine
Castera Chair in Cardiology
Vincent and Stella Coates Chair in Molecular Neurobiology
Tony Coelho Chair in Neurology
Ronald and Susan Cohen Term Chair in Childhood Development and Cerebral Palsy
Carol and James Collins Chair
Carol and James Collins Chair in Geriatric Medicine
William E. Connor Chair in Cardiothoracic Transplantation
Eliot Corday Chair in Cardiovascular Medicine and Science
Norman Cousins Chair in Psychoneuroimmunology
Crump Chair in Medical Engineering
Karen and Frank Dabby Endowed Chair in Ophthalmology
Dr. Alfonsina Q. Davies Endowed Chair in Honor of Paul Crandall, MD, for Epilepsy Research
M. Philip Davis Chair in Microbiology and Immunology
Robert and Kelly Day Chair in Cardiothoracic Surgery
Robert and Kelly Day Chair in General Surgery
Robert and Kelly Day Chair in Surgical Outcomes
Robert and Kelly Day Chair in Transplantation
Resnick Neuropsychiatric Hospital Board of Advisors/Friends of the Semel Institute Mark DeAntonio, MD, Term Chair in Hospital Psychiatry
Jean B. deKernion, MD, Endowed Chair in Urology
Wini and William J. Dignam, MD, Endowed Chair in Obstetrics and Gynecology
Joshua S. and Beth C. Friedman Chair for Women's Genetic Research
Diller-von Furstenberg Family Endowed Chair in Human Genetics
Diller-von Furstenberg Family Endowed Chair in Precision Clinical Genomics
John Bartley Dillon, MD, Endowed Chair in Anesthesiology
Roy and Carol Doumani Chair
Roy and Carol Doumani Chair in Urological Oncology
Robert and Patricia Draine Endowed Chair in Geriatric Medicine
Dumont-UCLA Chair in Transplantation Surgery
Jeffrey J. Eckardt, MD, Term Chair in Orthopaedic Surgery
Max Factor Family Foundation Chair in Nephrology

Charles Kenneth Feldman Chair in Ophthalmology
Marjorie Fine, MD, Endowed Chair in Clinical General Surgery
Elsie and Isaac Fogelman Endowed Chair in Pediatric Neurology
Eric W. Fonkalsrud, MD Endowed Chair in Pediatric Surgery
Dr. Daniel X. Freedman Administrative Chair in Academic Psychiatry
John Douglas French Alzheimer's Foundation Endowed Chair
Friends of Semel Endowed Term Chair
Joaquin M. Fuster Chair in Cognitive Neuroscience
David Geffen Chair in Informatics
David Geffen Chair in Medical Research
David Geffen School of Medicine Chair in Neuroscience
Laraine and David Gerber Chair in Ophthalmology
Maggie G. Gilbert Endowed Chair in Bipolar Disorders
Rosalinde and Arthur Gilbert Foundation Endowed Chair in Health-Care Delivery
Dr. Allen and Charlotte Ginsburg Endwed Chair in Precision Genomic Medicine
Dr. Allen and Charlotte Ginsburg Endwoed Chair in Translational Genomics
Nancy and Jonathan Glaser Family Endowed Chair for Pediatric Sarcomas
Joan S. and Ralph N. Goldwyn Endowed Chair in Immunobiology and Transplantation Research
Victor Goodhill, MD, Endowed Chair in Otology
Laurie and Steven C. Gordon Chair in Neurosciences
Laurie and Steven C. Gordon Chair in Neurosurgery
Steven C. Gordon Family Chair in Parkinson's Disease Research
Dolly Green Chair in Clinical Research
Dolly Green Chair in Ophthalmology
Dolly Green Chair in Vision Science
Thomas N. Grove Chair in Anesthesiology
Maud Cady Guthman Chair in Cardiology
Guthrie Family Endowed Chair for Eating Disorders
Muriel Harris Chair in Geriatric Psychiatry
Shirley M. Hatos Chair
Stefan Hatos Endowed Chair in Psychiatry and Biobehavioral Sciences
Gavin S. Herbert Endowed Chair for Macular Degeneration
Ernest G. Herman Chair in Ophthalmology
Christian Herrmann, Jr., MD Endowed Chair in Neuromuscular Disease
Holt and Jo Hickman Endowed Chair in Advanced Lung Disease and Lung Transplantation
Ronald S. Hirshberg Chair in Translational Pancreatic Cancer Research
Stanley Iezman and Nancy Stark Endowed Chair in Thoracic Radiation Oncology Research
A. Ray Irving, Jr., MD, Chair in Clinical Ophthalmology
John Jergens Chair in Kidney Transplantation
Kaiser Permanente Chair in Community Medicine
Margaret Holden Jones Kanaar, MD, Chair in Cerebral Palsy
Solomon A. and Marie M. Kaplan Chair of Pediatric Endocrinology
Maddie Katz Endowed Chair in Palliative Care Research and Education

Ronald L. Katz, MD, Endowed Chair in Anesthesiology
Chizuko and Nobuyuki Kawata Chair in Cardiology
Dorothy and Robert Keyser Endowed Chair
Karl Kirchgessner Foundation Chair in Vision Science
Arnold W. Klein, MD, Chair in Dermatology
George F. Kneller Chair in Family Medicine
Drs. Ai Lan and Roger Kobayashi Endowed Chair
Kolokotrones Chair in Ophthalmology
John J. Kuiper Chair in Nephrology and Renal Transplantation
Grace and Walter Lantz Endowed Chair in Ophthalmology
Lya and Harrison Latta Chair in Pathology
Lauren B. Leichtman and Arthur E. Levine Endowed Chair in Women’s Health Research
Eleanor Leslie Chair in Innovative Brain Research
Eleanor Leslie Chair in Pioneering Brain Research
Eleanor I. Leslie Chair of Neuroscience
Barbara Gerald Levey Endowed Chair
Gerald S. Levey, MD, Endowed Chair
Shirley LeVine Chair in Pediatric Education
Bert O. Levy Endowed Chair in Orbital and Ophthalmic Plastic Surgery
Hilel Lewis Family Chair in Ophthalmology
Walton Li Chair in Cornea and Uveitis
Lincy Foundation Chair in Clinical Gastroenterology
Mark S. Litwin, MD, Endowed Chair in Mentorship
William P. Longmire, Jr., Chair in Surgery
Olive and Anga Lundgren Endowed Chair
Meyer and Renee Luskin Chair in Migraine and Headache Studies
Gordon and Virginia MacDonald Distinguished Chair in Human Genetics
Charles H. Markham Chair in Neurology
Nancy Marks Endowed Chair in Women's Health Research
Della Martin Chair in Psychiatry
Mattel Executive Endowed Chair in Pediatrics
David May II Chair in Ophthalmology
John Mazziotta Endowed Chair in Neurology
John Mazziotta, MD, PhD, Chair in Medicine
Henry Alvin and Carrie L. Meinhardt Chair in Kidney Cancer Research
Sherman M. Mellinkoff Distinguished Professor in Medicine Chair
Joanne and George Miller and Family Endowed Chair
Timothy A. Miller Chair in Plastic Surgery
Michael M. Minchin, Jr., President, JD French Alzheimer’s Foundation Endowed Chair
Jeffrey Modell/Sidney Sheldon Chair in Immunology
Bartly J. Mondino, MD, Endowed Chair in Opthalmology
Wesley S. Moore, MD, Endowed Chair in Endovascular Surgery
Moss Foundation Chair in Gastrointestinal and Personalized Surgery

Dr. Walter and Mrs. Kathryn Mullikin Chair in Orthopaedic Surgery
Jane and Marc Nathanson Endowed Chair
James H. Nicholson Chair in Pediatric Cardiology
Mary Oakley Foundation Chair in Neuro-degenerative Diseases
Frances M. O'Malley Administrative Chair in Neuroscience History
William and Patricia Oppenheim Presidential Chair in Pediatric Orthopaedics
Oppenheimer Brothers Chair
Helga and Walter Oppenheimer Endowed Chair in Orthopaedic Oncology
Philip L. Palumbo Chair in Clinical Hepatology
Albert F. Parlow and David H. Solomon Chair for UCLA Program on Aging
Gail Patrick Endowed Administrative Chair in Brain Research
Samuel J. Pearlman, MD, and Della Z. Pearlman Chair in Head and Neck Surgery
Carl M. Pearson, MD, Endowed Chair in Rheumatology
Pennington Family Foundation Endowed Term Chair in Pediatrics
Patty and Greg Penske Family Endowed Chair
Frances and Albert Piansky Chair in Anatomy
Kay K. Pick Endowed Chair in Glaucoma Research
Guitiara Pierpoint Endowed Chair in Interstitial Pulmonary Fibrosis
Thomas P. and Katherine K. Pike Chair in Addictive Studies
Elizabeth R. and Thomas E. Plott Chair in Gerontology
Edith Agnes Plumb Endowed Chair in Neurobiology
Harold and Pauline Price Chair in Ophthalmology
Pritzker Family Endowed Chair in Pathology
Gary S. Rachelefsky, MD Endowed Chair
Shlomo Raz, MD, Chair in Urology
Resnick Chair in Eating Disorders
Lynda and Stewart Resnick Endowed Chair in Human Nutrition
Revlon Chair in Women's Health
Leo G. Rigler Chair in Radiological Sciences
RNPH Board of Advisors Term Chair in Hospital Psychiatry
Sidney Roberts and Clara Szego Roberts Endowed Chair in Molecular/Cellular Endocrinology
Augustus S. Rose Chair in Neurology
Arthur L. Rosenbaum, MD, Chair in Pediatric Ophthalmology
Maxine and Eugene Rosenfeld Endowed Chair in Computational Genetics
Maxine and Eugene Rosenfeld Endowed Chair in Medical Education
Rosenfelt Family Endowed Chair in Lymphoma
Carol and Saul Rosenzweig Endowed Chair in Cancer Therapies Development
Stephen J. Ryan Arnold and Mabel Beckman Foundation Chair
Estelle, Abe, and Marjorie Sanders Chair in Cancer Research
Daljit S. and Elaine Sarkaria Endowed Chair in Diagnostic Medicine
Bernard G. Sarnat, MD, Endowed Chair in Craniofacial Biology
Arnold B. Scheibel, MD, Chair for Brain Research
Ethel Scheibel Chair in Neuroscience

William Scheibel Chair in Neuroscience
Terry Semel Chair in Alzheimer's Disease Research and Treatment
Garry Shandling Chair in Pancreatic Diseases
Garry Shandling Chair in Pancreatic Surgery
Alison Shapiro Term Chair for Children's Cognitive Development
Shapiro Family Term Chair in Developmental and Behavioral Pediatrics and Cerebral Palsy
Peter Shapiro Term Chair for Enhancing Children's Developmental and Behavioral Health
Peter William Shapiro Chair for Center for Cerebral Palsy
W. Donald and Ginny M. Shields Chair in Child Neurology
Rosalyn R. Shostak Heyman and Hannah Kully Shostak Endowed Chair
James Shuler Family Chair in Ophthalmology
Fred Silton Family Chair in Movement Disorders
Simms/Mann Family Foundation Chair in Integrative Oncology
Jennifer Jones Simon Chair in Radiation Oncology
Norton Simon Chair in Biophysics
Jonathan Sinay Chair in Epilepsy
Henry E. Singleton Chair in Urology
Jack H. Skirball Chair in Multiple Sclerosis Research
Jack H. Skirball Chair in Ocular Inflammatory Diseases
Jack H. Skirball Chair in Pediatrics
P. Gene and Elaine Smith Endowed Chair in Alzheimer's Disease Research
Rebecca Smith Chair in Molecular and Cellular Pathology
Rory Smith, MD, Endowed Chair
Smotrich Family Optometric Clinician-Scientist Chair
Jerome and Joan Snyder Chair in Ophthalmology
Joan and Jerome Snyder Chair in Cornea Diseases
Joan and Jerome Snyder Chair in Vision Science
George F. Solomon Professorship in Psychobiology
Spielberg Family Chair in Urologic Oncology
Norman F. Sprague Chair in Molecular Oncology
Frances Stark Chair in Neurology
Fran and Ray Stark Foundation Chair in Digestive Diseases
Fran and Ray Stark Foundation Chair in Ophthalmology
Fran and Ray Stark Foundation Chair in Urology
Peter Starrett Term Chair in Medical Education
Rupert and Gertrude Steiger Vision Research Chair
Jules Stein Chair in Ophthalmology
Michael and Sue Steinberg Endowed Chair in Global AIDS Prevention and Policy Research
W. Eugene Stern Chair in Neurosurgery
E. Richard Stiehm Endowed Chair in Pediatric Allergy, Immunology, and Rheumatology
Ruth and Raymond H. Stotter Chair in Neurosurgery Excellence
Ruth and Raymond H. Stotter Chair in Neurosurgery Innovation
Bradley R. Straatsma, MD, Endowed Chair in Ophthalmology

Dorothy and Leonard Straus Endowed Chair in Gastroenterology in Memory of Gussie Borun Streisand Chair in Cardiology
Dr. Allan J. Swartz and Roslyn Holt Swartz Women's Lung Health Endowed Chair
Kelly Lee Tarantello Endowed Term Chair in Integrative Liver Transplantation
Dr. George Tarjan Chair in Intellectual and Developmental Disabilities Research
Michael E. Tennenbaum Family Endowed Chair in Creativity Research
Paul I. Terasaki Chair in Surgery
Flora L. Thornton Chair in Vision Research
Leon J. Tiber, MD, and David S. Alpert, MD, Chair in Medicine
Vernon O. Underwood Family Chair In Ophthalmology
Philo Woodrow Van Wagoner Professorship
Variety Club-D. Barry Reardon Endowed Chair in Pediatric Hematology/Oncology
Richard D. and Ruth P. Walter Chair in Neurology
Richard D. and Ruth P. Walter Chair in Psychiatry
Charles Stewart Warren and Hildegard Warren Endowed Research Chair
Wasserman Professor of Ophthalmology
Wasserman Term Chair for Innovation
David Weil Chair in Psychiatry and Biobehavioral Sciences
Dr. Louis Jolyon West Chair for Innovation in Psychiatry
Dr. Louis Jolyon West Chair for Excellence in Psychiatry
Wilder Chair in Psychiatry and Neuroscience
Susan and David Wilstein Endowed Chair in Medicine
Susan and David Wilstein Endowed Chair in Rehabilitation Medicine
Judith and Robert Winston Chair in Pediatric Urology

School of Education and Information Studies Endowed Chairs

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Martin and Bernard Breslauer Professorship in Bibliography
Allan Murray Cartter Chair in Higher Education
Dr. Rosalyn Shostak Heyman and Dr. Max L. Heyman, Jr., Endowed Chair
George F. Kneller Chair in Education and Anthropology
George F. Kneller Chair in Education and Philosophy
Presidential Chair in Education and Diversity
Pritzker Family Endowed Chair in Education to Strengthen Families
Wasserman Endowed Deanship of Education and Information Studies

Henry Samueli School of Engineering and Applied Science Endowed Chairs

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L.M.K. Boelter Chair in Engineering
Collins Aerospace Term Chair for Excellence
Collins Aerospace Term Chair for Innovation
Vijay K. Dhir Chair in Engineering
Traugott and Dorothea Frederking Endowed Chair
Norman E. Friedmann Chair in Knowledge Sciences
Armond and Elena Hairapetian Chair in Engineering and Medicine
Tatsuo Itoh Endowed Chair in Electrical and Computer Engineering
Leonard Kleinrock Term Chair in Computer Science
Evalyn Knight Chair in Engineering
Levi James Knight, Jr., Chair for Innovation
Levi James Knight, Jr., Term Chair for Excellence
Fang Lu Endowed Chair in Engineering
J.M. Maguire Term Chair in Engineering
Richard G. Newman AECOM Endowed Chair in Civil Engineering
Nippon Sheet Glass Company Chair in Materials Science
Northrop Grumman Chair in Electrical Engineering
Northrop Grumman Chair in Electrical Engineering/Electromagnetics
Northrop Grumman Opto-Electronic Chair in Electrical Engineering
Mukund Padmanabhan Term Chair
Mukund Padmanabhan Term Chair Electrical Engineering
Ralph M. Parsons Foundation Chair in Chemical Engineering
Jonathan B. Postel Chair in Computer Systems

Jonathan B. Postel Chair in Networking
Presidential Endowed Chair in Structural Engineering
Pritzker Chair in Sustainability
Raytheon Company Chair in Electrical Engineering
Raytheon Company Chair in Mechanical Engineering
Charles P. Reames Endowed Chair in Electrical Engineering
Ben Rich-Lockheed Martin Chair in Advanced Aerospace Technologies
Sabol-Scott Term Chair in Civil and Environmental Engineering
John P. and Claudia H. Schauerman Endowed Chair in Engineering
William Frederick Seyer Chair in Materials Electrochemistry
Ronald and Valerie Sugar Dean of Henry Samueli School of Engineering and Applied Science
Ronald and Valerie Sugar Endowed Chair in Engineering
Symantec Term Chair in Computer Science
Carol and Lawrence E. Tannas, Jr., Endowed Chair in Engineering
Carol and Lawrence E. Tannas, Jr., Endowed Term Chair in Engineering
William D. Van Vorst Chair in Chemical Engineering Education
Volgenau Chair for Engineering Excellence
Volgenau Chair for Engineering Innovation
Volgenau Endowed Chair in Engineering
Wintek Endowed Chair in Electrical Engineering
Neria and Manizheh Yomtoubian Endowed Chair in Cancer and Risk Sciences

School of Law Endowed Chairs

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Norman Abrams Endowed Chair in Law
Omar and Azmeralda Alfi Chair in Islamic Law
Harry Graham Balter Chair in Law
Barrall Family Endowed Chair in Tax Law and Policy
David A. Binder Endowed Chair in Clinical Law
Connell Professorship of Law
Jesse Dukeminier Professorship in Law
Dan and Rae Emmett Endowed Chair in Environmental Law
Rosalinde and Arthur Gilbert Foundation Endowed Chair in Civil Rights and Civil Liberties
Carole Goldberg Endowed Chair in Native American Law
Paul Hastings Endowed Chair in Business Law
Robert Henigson Endowed Chair in Legal Ethics
Pete Kameron Endowed Chair in Law
Pete Kameron Chair in Law and Social Justice
Michael J. Klein Chair in Law
Richard C. Maxwell Chair in Law
McDonald/Wright Chair in Law
Lowell Milken Chair in Law
Arjay and Frances Fearing Miller Chair in Law
Alicia Minana Chair in Law
Rachel F. Moran Endowed Chair in Law
Susan Westerberg Prager Endowed Chair in Law
Honorable Harry Pregerson Endowed Chair in Law
David G. and Dallas P. Price Chair in Law
Promise Institute Chair in Comparative and International Law
Promise Institute Chair in Human Rights
David Sanders Professorship in Law and Medicine
Greg Sarris Endowed Chair in Native American Law

Michael H. Schill Endowed Chair in Law
Gary T. Schwartz Endowed Chair in Law
Security Pacific Bank Chair
Ralph and Shirley Shapiro Chair in Law
Shirley and Ralph Shapiro Endowed Chair in Environmental Law
Jonathan D. Varat Endowed Chair in Law
William D. Warren Chair in Law
Frank G. Wells Endowed Chair in Environmental Law
Stephen Yeazell Endowed Chair in Law
Eric M. Zolt Chair in Tax Law and Policy

John E. Anderson Graduate School of Management Endowed Chairs

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Allstate Chair in Insurance and Finance
Andersen Worldwide Chair in Management
John E. Anderson Chair in Management
Marion Anderson Chair in Management
Arden Realty Chair
Donnalisa ’86 and Bill Barnum Endowed Term Chair in Management
Robert D. Beyer ’83 Chair in Management
Edward W. Carter Chair in Business Administration
William M. Cockrum Chair in Entrepreneurship
William M. Cockrum III Presidential Term Chair in Entrepreneurship
William M. Cockrum Professorship in Entrepreneurial Finance
James A. Collins Chair in Management
Warren C. Cordner Chair in Money and Financial Markets
Ernst and Young Chair in Accounting
Laurence D. and Lori W. Fink Endowed Chair in Finance
Ford II Chair in International Management
Joel Fried Chair in Applied Finance
Lee and Seymour Graff Endowed Professorship
Goldyne and Irwin Hearsh Chair in Money and Banking
Hans Hufschmid Chair in Management
IBM Chair in Management
Joseph Jacobs Chair in Entrepreneurial Studies
Neil Jacoby Chair in Management

Japan Alumni Chair in International Finance
Bud Knapp Marketing Professorship
Harry and Elsa Kunin Chair in Business and Society
J. Clayburn La Force Chair in Management
William E. Leonhard Chair in Management
Los Angeles Times Professor of Management and Policy
Justice Elwood Lui Endowed Term Chair in Management
Chauncey J. Medberry Chair in Management
Peter W. Mullin Chair in Management
Howard Noble Chair in Management
Paine Chair in Management
George Robbins Chair in Management
Sanford and Betty Sigoloff Chair in Corporate Renewal
Term Chair in Teaching Excellence
Term Chair in Management
UCLA Anderson Board of Visitors Term Chair in Management
UCLA Anderson Dean's Term Chair in Management
UCLA Anderson Faculty Term Chair in Management
J. Fred Weston Chair in Finance
Harold Williams Chair in Management
Susan Wojcicki Chair in Data Science and Innovation
Ho-Su Wu Chair in Management
Bing ('86) and Alice Liu Yang Endowed Term Chair in Management
Bing ('86) and Alice Liu Yang Endowed Term Chair in Management and Innovation
Bing ('86) and Alice Liu Yang Endowed Term Chair in Teaching Excellence

Herb Alpert School of Music Endowed Chairs

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Kenny Burrell Chair in Jazz Studies
Susan G. Covel and Mitchel D. Covel, MD, Chair in Music
Mickey Katz Endowed Chair in Jewish Music
Leo M. and Elaine Krown Klein Chair in Performance Studies
Promise Chair in Armenian Music, Arts, and Culture
Mohindar Brar Sambhi Endowed Chair in Indian Music
Shapiro Family Chair in Piano Performance

School of Nursing Endowed Chairs

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Lulu Wolf Hassenplug Chair in Nursing
Audrienne H. Moseley Chair in Biological Nursing Science
Audrienne H. Moseley Chair in Community Health Research
Audrienne H. Moseley Chair in Nursing
Audrienne H. Moseley Endowed Chair in Equity, Diversity, and Inclusion
Shapiro Family Endowed Chair in Developmental Disability Studies

Jonathan and Karin Fielding School of Public Health Endowed Chairs

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Fred H. Bixby Chair in Population Policy
Jonathan and Karin Fielding Presidential Chair in Health and Equity
Jonathan E. Fielding Chair in Climate Change and Public Health
Gordon-Levin Endowed Chair in Infectious Diseases and Public Health
Paul Torrens Chair in Healthcare Management
Fred W. and Pamela K. Wasserman Chair in Health Policy and Management

Meyer and Renee Luskin School of Public Affairs Endowed Chairs

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Marjorie Crump Chair in Social Welfare
Franklin D. Gilliam, Jr. Chair in Social Justice
Meyer and Renee Luskin Chair in Inequality and Democracy
Meyer and Renee Luskin Endowed Chair in Innovation and Sustainability
Luskin Endowed Chair for Dean of the School of Public Affairs

School of Theater, Film, and Television Endowed Chairs

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David C. Copley Chair for Study of Costume Design
Lew and Pamela Hunter/Jonathan and Janice Zakin Chair in Screenwriting
Rouben Mamoulian Visiting Chair in Film Directing
Rouben Mamoulian Visiting Chair in Theater Directing

Chancellor and Institute Endowed Chairs

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Chancellor’s Office

James S. Coleman Chair in International Development Studies
Betsy Wood Knapp Chair for Innovation and Creativity

Institute of American Cultures

George and Sakaye Aratani Chair in Japanese American Incarceration, Redress, and Community
Ralph Bunche Chair in International Studies
Morgan and Helen Chu Endowed Chair in Asian American Studies
Helen and Morgan Chu Endowed Director’s Chair of the Asian American Studies Center
Korea Times–Hankook Ilbo Endowed Chair in Korean American Studies
UCLA Alumni and Friends of Japanese Ancestry Chair in Japanese American Studies
Walter and Shirley Wang Chair in U.S./China Relations and Communications

UCLA International Institute

Rosalinde and Arthur Gilbert Foundation Endowed Chair in Israel Studies
Dong Soon Im and Mi Ja Im Endowed Chair in Korean Christianity
Paul I. and Hisako Terasaki Chair in Contemporary Japanese Studies
Terasaki Chair in U.S.–Japanese Relations

Appendix C: Faculty Honors

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Faculty are honored with awards for distinguished teaching and academic excellence.

Distinguished Teaching Awards

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Academic Senate Recipients

Each year the UCLA Alumni Association presents Distinguished Teaching Awards to Academic Senate faculty members. The highly prized awards are presented at the annual Andrea L. Rich Night to Honor Teaching, and selection of recipients is based on recommendations of the Academic Senate Committee on Teaching. Nominations are solicited from academic departments during fall quarter.

The Luckman Distinguished Teaching Awards Program was established in late 1991 after receipt of a generous gift from Harriet and Charles Luckman. Awards given for 1992 through 1997 were named the Luckman Distinguished Teaching Awards.

1961

John F. Barron *(Economics)*
Hector E. Hall *(Physiology)*
Kenneth N. Trueblood *(Chemistry and Biochemistry)*

1962

Charles W. Hoffman *(Germanic Languages)*
Thomas P. Jenkin *(Political Science)*
Ken Nobe *(Chemical Engineering)*

1963

Carl W. Hagge *(Germanic Languages)*

Wendell P. Jones *(Education)*
Robert H. Sorgenfrey *(Mathematics)*
Saul Winstein *(Chemistry and Biochemistry)*

1964

Mostafa A. El-Sayed *(Chemistry and Biochemistry)*
Leon Howard *(English)*
Moshe F. Rubinstein *(Civil and Environmental Engineering)*

1965

E.A. Carlson *(Biology)*
W.R. Hitchcock *(History)*
Allen Parducci *(Psychology)*
William R. Romig *(Microbiology and Molecular Genetics)*

1966

George A. Bartholomew *(Biology)*
William P. Gerberding *(Political Science)*
Hans Meyerhoff *(Philosophy)*
Joseph E. Spencer *(Geography)*

1967

Basil Gordon *(Mathematics)*
J.A.C. Grant *(Political Science)*
William Matthews *(English)*
David S. Saxon *(Physics and Astronomy)*
E.K.L. Upton *(Physics and Astronomy)*

1968

Edward W. Graham *(Chemistry and Biochemistry)*
W. James Popham *(Education)*
Sydney C. Rittenberg *(Microbiology and Molecular Genetics)*
Robert P. Stockwell *(Linguistics)*
Fred N. White *(Physiology)*

1969

Robert J. Finkelstein *(Physics and Astronomy)*
Douglas S. Hobbs *(Political Science)*
J.E. Phillips *(English)*
Raymond M. Redheffer *(Mathematics)*
Margret I. Sellers *(Microbiology and Immunology)*

1970

Ehrhard Bahr *(Germanic Languages)*
Joseph Cascarano (*Biology)*
B. Lamar Johnson *(Education)*
Daniel Kivelson *(Chemistry and Biochemistry)*
Richard D. Lehan *(English)*

1971

Vernon E. Denny *(Chemical Engineering)*
Peter N. Ladefoged *(Linguistics)*
Arthur D. Schwabe *(Medicine)*
Duane E. Smith *(Political Science)*
Andreas Tietze *(Near Eastern Languages and Cultures)*

1972

Barbara K. Keogh *(Education)*
James N. Miller *(Microbiology and Immunology)*
David S. Rodes *(English)*
Ned A. Shearer *(Speech)*
Charles A. West *(Chemistry and Biochemistry)*

1973

Kirby A. Baker *(Mathematics)*
David Evans *(Chemistry and Biochemistry)*
Albert Hoxie *(History)*
Nhan Levan *(Electrical Engineering)*
Judith L. Smith *(Physiological Science)*

1974

Robert B. Edgerton *(Anthropology, Psychiatry and Biobehavioral Sciences)*
David S. Eisenberg (*Chemistry and Biochemistry)*

Victoria A. Fromkin *(Linguistics)*
Robert C. Neerhout *(Pediatrics)*
Andrea L. Rich *(Speech)*

1975

Alma M. Hawkins *(World Arts and Cultures)*
Morris Holland *(Psychology)*
Paul M. Schachter *(Linguistics)*
Stanley A. Wolpert *(History)*
Richard W. Young *(Neurobiology)*

1976

Marianne Celce-Murcia *(Teaching English as a Second Language and Applied Linguistics)*
Jesse J. Dukeminier *(Law)*
George R. Guffey *(English)*
Marilyn L. Kourilsky *(Education)*
Chand R. Viswanathan *(Electrical Engineering)*

1977

Michael J.B. Allen *(English)*
Henry M. Cherrick (*Dentistry)*
Richard C. Maxwell *(Law)*
J. William Schopf *(Earth and Space Sciences)*
Verne N. Schumaker *(Chemistry and Biochemistry)*

1978

William R. Allen *(Economics)*
Michael E. Jung *(Chemistry and Biochemistry)*
J. Fred Weston *(Management)*
Thomas D. Wickens *(Psychology)*
Johannes Wilbert *(Anthropology)*

1979

Steven Krantz *(Mathematics)*
Paul I. Rosenthal *(Communication Studies)*
Christopher Salter *(Geography)*
James H. White *(Mathematics)*

Stephen C. Yeazell *(Law)*

1980

A.R. Braunmuller *(English)*
Fredi Chiappelli *(Italian)*
Kenneth L. Karst *(Law)*
Richard F. Logan *(Geography)*
Ronald F. Zernicke (*Physiological Science)*

1981

Arnold J. Band *(Near Eastern Languages and Cultures)*
Charles L. Batten, Jr. *(English)*
Lucien B. Guze *(Medicine)*
Gerald Lopez *(Law)*
Andy Wong *(Dentistry)*

1982

Dean Bok *(Neurobiology)*
Robin S. Liggett *(Architecture and Urban Design, Urban Planning)*
William Melnitz *(Theater)*
Joseph K. Perloff *(Medicine)*
Karen E. Rowe *(English)*

1983

Claude Bernard *(Physics and Astronomy)*
Bryan C. Ellickson *(Economics)*
Robert S. Elliott *(Electrical Engineering)*
Albert D. Hutter *(English)*
Charles M. Knobler (*Chemistry and Biochemistry)*

1984

Robert Dallek *(History)*
Hooshang Kangerloo *(Radiological Sciences)*
Jeffrey Prager *(Sociology)*
Stanley Siegel *(Law)*
Sandra A. Thompson *(Linguistics)*

1985

Patricia M. Greenfield *(Psychology)*
David F. Martin *(Computer Science)*
Mark W. Plant *(Economics)*
Ross P. Shideler *(Comparative Literature, Scandinavian Section)*
William D. Warren *(Law)*

1986

Roger A. Gorski *(Neurobiology)*
Patricia A. Keating *(Linguistics)*
Leonard Kleinrock *(Computer Science)*
Martin Wachs *(Urban Planning)*
Scott L. Waugh *(History)*

1987

Lawrence W. Bassett *(Radiological Sciences)*
E. Bradford Burns *(History)*
Kenneth W. Graham, Jr. *(Law)*
Howard Suber *(Film and Television)*
Richard A. Yarborough *(English)*

1988

Alison G. Anderson *(Law)*
Ann L.T. Bergren *(Classics)*
Charles A. Berst *(English)*
Michael J. Goldstein *(Psychology)*
Richard L. Sklar *(Political Science)*

1989

John B. Garnett *(Mathematics)*
Kathleen L. Komar *(Comparative Literature, Germanic Languages)*
William G. Roy *(Sociology)*
Stephen Yenser *(English)*
Eric M. Zolt *(Law)*

1990

Peter M. Narins *(Physiological Science)*
Gary B. Nash *(History)*
John S. Wiley *(Law)*
Merlin C. Wittrock *(Education)*
Ruth Yeazell *(English)*

1991

Michael R. Asimow *(Law)*
Edward G. Berenson *(History)*
Robert A. Bjork *(Psychology)*
Margaret FitzSimmons *(Urban Planning)*
Kenneth R. Lincoln *(English)*

1992

Bruce L. Baker *(Psychology)*
Paul B. Bergman *(Law)*
Robert B. Goldberg *(Molecular, Cell, and Developmental Biology)*
Peter E. Kollock *(Sociology)*
Eugen Weber *(History)*

1993

Calvin B. Bedient *(English)*
Richard B. Kaner (*Chemistry and Biochemistry)*
Katherine C. King *(Classics)*
William G. Ouchi *(Management)*
Bruce Schulman *(History)*

1994

David A. Binder *(Law)*
Jon P. Davidson *(Earth and Space Sciences)*
Melvin Oliver *(Sociology)*
Barbara L. Packer *(English)*
E. Victor Wolfenstein *(Political Science)*

1995

Noriko Akatsuka *(East Asian Languages and Cultures)*
Douglas Hollan *(Anthropology)*

V.A. Kolve *(English)*
Jerome Rabow *(Sociology)*
Paul V. Reale *(Music)*

1996

Walter Allen *(Sociology)*
Judith A. Carney *(Geography)*
William M. Gelbart *(Chemistry and Biochemistry)*
Phyllis A. Guzé *(Medicine)*
Peter B. Hammond (*Anthropology)*

1997

Uptal Banerjee *(Molecular, Cell, and Developmental Biology)*
Christine D. Gutierrez *(Education)*
Susan McClary *(Musicology)*
Arnold B. Scheibel *(Neurobiology, Psychiatry and Biobehavioral Sciences)*
Ivan Szelenyi *(Sociology)*

1998

George W. Bernard *(Dentistry)*
Verónica Cortínez *(Spanish and Portuguese)*
Wayne A. Dollase *(Earth and Space Sciences)*
Jayne E. Lewis *(English)*
Joshua S.S. Muldavin *(Geography)*

1999

Grace Ganz Blumberg *(Law)*
Alessandro Duranti *(Anthropology)*
Richard H. Gold *(Radiological Sciences)*
N. Katherine Hayles *(English)*
Bernard Weiner *(Psychology)*

2000

Scott H. Chandler *(Physiological Science)*
Efraín Kristal *(Spanish and Portuguese)*
Hector F. Myers *(Psychology)*
David Sklansky *(Law)*

Robert N. Watson *(English)*

2001

Michael J. Colacurcio *(English)*
Glen M. MacDonald *(Geography)*
Kevin Terraciano *(History)*
James W. Trent *(Education)*
Brian Walker *(Political Science)*

2002

Christopher R. Anderson *(Mathematics)*
Steven G. Clarke *(Chemistry and Biochemistry)*
Anne K. Mellor *(English)*
Lee Todd Miller *(Pediatrics)*
Grant S. Nelson *(Law)*

2003

Joseph J. DiStefano III *(Computer Science, Medicine)*
Robin L. Garrell *(Chemistry and Biochemistry)*
A.P. Gonzalez *(Film, Television, and Digital Media)*
Mitchell B. Morris *(Musicology)*
Kirk J. Stark *(Law)*

2004

David B. Kaplan *(Philosophy)*
Kathryn A. Morgan *(Classics)*
Mark R. Morris *(Physics and Astronomy)*
Jesús Torrecilla *(Spanish and Portuguese)*
Joan Waugh *(History)*

2005

Roger Bourland *(Music)*
Robert G. Fovell *(Atmospheric and Oceanic Sciences)*
Elma González *(Ecology and Evolutionary Biology)*
Elizabeth A. Marchant *(Spanish and Portuguese)*
Mike Rose *(Education)*
Keith D. Stolzenbach *(Civil and Environmental Engineering)*

2006

Robert A. Gurval *(Classics)*
Patricia M. McDonough *(Education)*
Albert J. Moore *(Law)*
Kenneth A. Nagy *(Ecology and Evolutionary Biology)*
David L. Rigby *(Geography)*
Geoffrey W. Symcox *(History)*

2007

John A. Agnew *(Geography)*
Devon Carbado *(Law)*
Valerie J. Matsumoto *(Asian American Studies, History)*
Behzad Razavi *(Electrical Engineering)*
Daniel G. Solórzano *(Education)*
Blaire Van Valkenburgh *(Ecology and Evolutionary Biology)*

2008

Elizabeth L. Bjork *(Psychology)*
Peggy M. Fong *(Ecology and Evolutionary Biology)*
Linda C. Garro *(Anthropology)*
Teofilo F. Ruiz *(History)*
Benjamin J. Schwartz *(Chemistry and Biochemistry)*
Robert S. Winter *(Music)*

2009

Roger Detels *(Epidemiology)*
Luisa M. Iruela-Arispe *(Molecular, Cell, and Developmental Biology)*
Yung-Ya Lin *(Chemistry and Biochemistry)*
Mark B. Moldwin *(Earth and Space Sciences)*
Susan J. Plann *(Applied Linguistics, Spanish and Portuguese)*
Janice L. Reiff *(History)*

2010

Katsushi Arisaka *(Physics and Astronomy)*
Daniel T. Blumstein *(Ecology and Evolutionary Biology)*
John T. Caldwell *(Film, Television, and Digital Media)*
Albert J. Courey *(Chemistry and Biochemistry)*

Jerry Kang *(Law)*
Steven P. Reise *(Psychology)*

2011

Ann E. Carlson *(Law)*
Andrew Christensen *(Psychology)*
Ian Krouse *(Music)*
Patricia E. Phelps *(Integrative Biology and Physiology)*
Yahya Rahmat-Samii *(Electrical Engineering)*
Philip W. Rundel *(Ecology and Evolutionary Biology)*

2012

C. Cindy Fan *(Geography)*
Brandon Koretz *(Geriatric Medicine)*
Mignon R. Moore *(Sociology)*
Claudia Parodi-Lewin *(Spanish and Portuguese)*
Jonathan P. Stewart *(Civil and Environmental Engineering)*
Christopher S. Tang *(Management)*

2013

Michael F. Carey *(Biological Chemistry)*
John J. Colicelli *(Biological Chemistry)*
Rachelle H. Crosbie-Watson *(Integrative Biology and Physiology)*
Jonathan H. Grossman *(English)*
Lynn A. Hunt *(History)*
David Delgado Shorter *(World Arts and Cultures/Dance)*
Megan McDonnell Sweeney *(Sociology)*

2014

Paul H. Barber *(Ecology and Evolutionary Biology)*
Earl G. Freymiller *(Dentistry)*
Neil K. Garg *(Chemistry and Biochemistry)*
Hilary A. Godwin *(Environmental Health Sciences)*
Hiroshi Motomura *(Law)*
Felicity A. Nussbaum *(English)*

2015

Robert W. Fink *(Musicology)*
Alan Garfinkel *(Integrative Biology and Physiology, Medicine)*
Thomas W. Gillespie *(Geography)*
Tyrone C. Howard *(Education)*
Daniel T. Kamei *(Bioengineering)*
Joanna C. Schwartz *(Law)*

2016

Joseph E. Bristow *(English)*
Mark S. Goorsky *(Materials Science and Engineering)*
Frank A. Laski *(Molecular, Cell, and Developmental Biology)*
Elisabeth C. Le Guin *(Musicology)*
James O. Lloyd-Smith *(Ecology and Evolutionary Biology)*
Steven A. Margulis *(Civil and Environmental Engineering)*

2017

Donald G. Buth *(Ecology and Evolutionary Biology)*
Alex C. Purves *(Classics)*
Eric Sung *(Dentistry)*
Abigail G. Saguy *(Gender Studies, Sociology)*
Ingrid Eagly *(Law)*
Alvaro Sagasti *(Molecular, Cell, and Developmental Biology)*

2018

Lorrie A. Frasure-Yokley *(Political Science)*
Christopher M. Kelty *(Society and Genetics)*
David W. MacFadyen *(Comparative Literature, Musicology)*
Vilma Ortiz *(Sociology)*
C.E.B. Reas *(Design/Media Arts)*
Sarah Abrevaya Stein *(History)*

2019

Anastassia Alexandrova *(Chemistry and Biochemistry)*
Kathleen Bawn *(Political Science)*
Gregory F. Grether *(Ecology and Evolutionary Biology)*
Katsuya Hirano *(History)*
Eric S. Sheppard *(Geography)*
Stephanie A. White *(Integrative Biology and Physiology)*

2020

E. Tendayi Achiume *(Law)*
Neveen S. El-Farra *(Medicine)*
MarySue V. Heilemann *(Nursing)*
David D. Kim *(Germanic Languages)*
Tamara J. M. Levitz *(Comparative Literature)*
Matthew D. Lieberman *(Psychology)*

2021

Alan D. Castel *(Psychology)*
Yogita Goyal *(African American Studies, English)*
Cheryl I. Harris *(African American Studies, Law)*
Thu-huong Nguyen-vo *(Asian American Studies, Asian Languages and Cultures)*
Gina R. Poe *(Integrative Biology and Physiology)*
Joshua F. Samani *(Physics and Astronomy)*

2022

Hannah C. Appel *(Anthropology)*
Kyle C. Cavanaugh *(Geography)*
Scott L. Cummings *(Law)*
Eric J. Deeds *(Integrative Biology and Physiology)*
Peter J. Hudson *(African American Studies, History)*
Ellen M. Sletten *(Chemistry and Biochemistry)*

2023

Leisy J. Abrego *(Chicana/o and Central American Studies)*
Jeffrey D. Eldredge *(Mechanical and Aerospace Engineering)*
Raymond L. Knapp *(Musicology)*
Hannah L. Landecker *(Institute for Society and Genetics, Sociology)*
Eric A. Min *(Political Science)*
Nina Rabin *(Law)*

Distinguished Teaching Awards - Non-Academic Senate Recipients

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Non-Academic Senate Recipients

In spring of 1985, the Office of Instructional Development (now **Teaching and Learning Center**) began sponsorship of awards to three instructors who are not members of the Academic Senate. This category includes lecturers, and adjunct and clinical faculty members. All non-Academic Senate faculty members who are nominated by their departments are eligible. Recipients are selected by the Academic Senate Committee on Teaching, using the same criteria as those used for Academic Senate members.

The Luckman Distinguished Teaching Awards Program was established in late 1991 after receipt of a generous gift from Harriet and Charles Luckman. Awards given for 1992 through 1997 were named the Luckman Distinguished Teaching Awards.

1985

L. Geoffrey Cowan *(Communication Studies)*
Mary Elizabeth Perry *(History)*
Linda Diane Venis *(English)*

1986

David Cohen *(Mathematics)*
Johanna Harris-Heggie *(Music)*
Paul Von Blum *(Interdisciplinary)*

1987

Carol D. Berkowitz *(Pediatrics)*
Jeffrey I. Cole *(Communication Studies)*
Cheryl Giuliano *(Writing Programs)*

1988

Jeanne Gunner *(Writing Programs)*
Art Huffman *(Physics and Astronomy)*
David G. Kay *(Computer Science)*

1989

S. Scott Bartchy *(History)*
Bonnie Lisle *(Writing Programs)*
Kenneth R. Pfeiffer *(Civil Engineering, Psychology)*

1990

Lisa Gerrard *(Writing Programs)*
Andres Durstenfeld *(Biology)*
Dorothy Phillips *(Physiological Science)*

1991

Marde S. Gregory *(Speech)*
Betty A. Luceigh *(Chemistry and Biochemistry)*
Cheryl Pfoff *(Writing Programs)*

1992

Janet Goodwin *(Applied Linguistics, Teaching English as a Second Language)*
Janette Lewis *(Writing Programs)*
Yihua Wang *(East Asian Languages and Cultures)*

1993

Stephen Dickey *(English)*
Sondra Hale *(Anthropology)*
Jutta Landa *(Germanic Languages)*

1994

Steven K. Derian *(Law)*
Linda Jensen *(Applied Linguistics, Teaching English as a Second Language)*
Shelby Popham *(Writing Programs)*

1995

Nicholas Collaros *(French)*
Kristine S. Knaplund *(Law)*
Christopher Mott *(English)*

1996

Scott Bowman *(Political Science)*
Timothy Tangherlini *(Scandinavian Section)*
G. Jennifer Wilson *(Honors, Undergraduate Programs)*

1997

William McDonald *(Film and Television)*
Stuart Slavin *(Pediatrics)*
Sung-Ock Sohn *(East Asian Languages and Cultures)*

1998

Paul Frymer *(Political Science)*
George Gadda *(Writing Programs)*
Julie Giese *(English)*

1999

Patricia Gilmore-Jaffe *(Writing Programs)*
Emily Schiller *(English)*
Scott Votey *(Emergency Medicine)*

2000

Nicole Dufresne *(French)*
Thomas Holm *(Law)*
Richard P. Usatine *(Family Medicine)*

2001

George Leddy *(Geography, International Development Studies)*
Sandra Mano *(Writing Programs)*
L. Jean Perry *(Molecular, Cell, and Developmental Biology)*

2002

Steven Hardinger *(Chemistry and Biochemistry)*
Colleen K. Keenan *(Nursing)*
Cynthia Merrill *(Writing Programs)*

2003

Marjorie A. Bates *(Chemistry and Biochemistry)*
Anita McCormick *(Writing Programs)*
Richard Stevenson III *(Dentistry)*

2004

Andrew Hsu *(Philosophy)*
Kimberly Jansma *(French and Francophone Studies)*
Jennifer Westbay *(Writing Programs)*

2005

Susan Griffin *(Writing Programs)*
William Grisham *(Psychology)*
Anahid Keshishian *(Near Eastern Languages and Cultures)*

2006

Roger E. Bohman *(Molecular, Cell, and Developmental Biology)*
Jo Ann Damron-Rodriguez *(Social Welfare)*
Gerald Wilson *(Ethnomusicology)*

2007

Nancy Ezer *(Near Eastern Languages and Cultures)*
Fred A. Hagigi *(Health Services)*
Eric Marin *(Film, Television, and Digital Media)*

2008

Leigh C. Harris *(Writing Programs)*
Chi Li *(Ethnomusicology)*
Robert B. Trelease *(Pathology and Laboratory Medicine)*

2009

Brent Corbin *(Physics and Astronomy)*
Laurence Lavelle *(Chemistry and Biochemistry)*
Fariba Younai *(Dentistry)*

2010

Patrick D. Goodman *(Law)*
Amy H. Kaji *(Medicine)*
Rory M. Kelly *(Film, Television, and Digital Media)*

2011

Latifeh E. Hagigi *(Near Eastern Languages and Cultures)*
Dario Nardi *(Anthropology)*
John (Jay) Phelan (*Life Sciences Core Curriculum)*

2012

Stuart Biegel *(Education)*
Ronald Cooper *(Integrative Biology and Physiology)*
Michael Lazarus *(Medicine)*

2013

Randall J. Fallows *(Writing Programs)*
Ganna Kudyma *(Slavic Languages and Literatures)*
Joan R. Schleper *(Nursing)*

2014

Teddi L. Chichester *(Writing Programs)*
Robert F. Foster *(Management)*
Mitchem A. Huehls *(English)*

2015

Mary Paige Greene *(Mathematics)*
Eric H. Sussman *(Management)*
Pavel Wonsowicz *(Law)*

2016

Ting-Ling Chang *(Dentistry)*
Gregory J. Rubinson *(Writing Programs)*
Jeremy D. Smoak *(Near Eastern Languages and Cultures)*

2017

Mary F. Corey *(History)*
Benjamin James Lewis *(Linguistics)*
Jason D. Napolitano *(Medicine)*

2018

Karen J. Cunningham *(English)*
Zhao Li *(Chemistry and Biochemistry)*
Dana Cairns Watson *(Writing Programs)*

2019

Jennifer Casey *(Chemistry and Biochemistry)*
Juliet A. Falce-Robinson *(Spanish and Portuguese)*
Jorja J. Leap *(Social Welfare)*

2020

Cindy C. Kratzer *(Education)*
John G. Branstetter *(Political Science)*
Margaret E. Davis *(Writing Programs)*

2021

Justin B. Bernstein *(Law)*
Anthony R. Friscia *(Integrative Biology and Physiology)*
Tara L. Prescott-Johnson *(Writing Programs)*

2022

Carey S. Nachenberg *(Computer Science)*
Diana Rigueur *(Molecular, Cell, and Developmental Biology)*
Laurel A. Westrup *(Writing Programs)*

2023

Rana Khankan *(Life Sciences Core Curriculum)*
Peter L. Reich *(Law)*
Stephen Tobin *(Spanish and Portuguese)*

Gold Shield Faculty Prize

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The $30,000 Gold Shield Faculty Prize, an award for academic excellence, was created by the Gold Shield Alumnae of UCLA in celebration of their fiftieth anniversary in 1986. The prize is funded by an endowment of $250,000 raised by Gold Shield for this purpose, which has grown to over $450,000. Guidelines provide that the prize “recognize and reward UCLA faculty members who have demonstrated extraordinary accomplishment in teaching and in research or creative activity...and who have made a significant contribution to undergraduate education.” Preference for recipients is given to faculty members in mid-career, who do not often receive the extra professional incentives available to distinguished senior faculty.

The Gold Shield Faculty Prize is awarded to each recipient for scholarly use. The awardee is selected every year by a committee of peers appointed by the Academic Senate. Student and Gold Shield representatives are included. Recipients must come from fields that have undergraduate programs at UCLA.

1986-88

Michael E. Jung *(Chemistry and Biochemistry)*

1988-90

Patricia M. Greenfield *(Psychology)*

1990-92

Jeffrey C. Alexander *(Sociology)*

1992-94

J. William Schopf *(Earth and Space Sciences)*

1994-96

Albert R. Braunmuller *(English)*

1996-98

Peter M. Narins *(Physiological Science)*

1998-00

Robert B. Goldberg *(Molecular, Cell, and Developmental Biology)*

2000-02

Utpal Banerjee *(Molecular, Cell, and Developmental Biology)*

2002-04

Richard B. Kaner *(Chemistry and Biochemistry)*

2004-06

Andrea M. Ghez *(Physics and Astronomy)*

2006-08

Robert N. Watson *(English)*

2007-09

William J. Kaiser *(Electrical Engineering)*

2008-10

Alicia Gaspar de Alba *(Chicana and Chicano Studies)*

2009-11

Robin L. Garrell *(Chemistry and Biochemistry)*

2010-12

David H. Gere *(World Arts and Cultures)*

2011-13

Matthew D. Lieberman *(Psychology)*

2012-14

Kevin B. Terraciano *(History)*

2013-15

Luisa M. Iruela-Arispe *(Molecular, Cell, and Developmental Biology)*

2014-16

Brenda Stevenson *(History)*

2015-17

Neil K. Garg *(Chemistry and Biochemistry)*

2016-18

Charlene Villaseñor Black *(Art History)*

2017-19

Daniel T. Blumstein *(Ecology and Evolutionary Biology)*

2018-20

Daniel M.T. Fessler *(Anthropology)*

2019-21

Paul H. Barber *(Ecology and Evolutionary Biology, Environment and Sustainability)*

2020-22

Janet M. O'Shea *(World Arts and Cultures/Dance)*

UCLA University Professors

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The title University Professor is reserved for scholars of international distinction, who are recognized and respected as teachers of exceptional ability. Appointments may be made from distinguished tenured faculty. University Professors are appointed by the Regents, at the recommendation of the president after consultation with the chancellor and Academic Senate of the appointee's home campus.

In over 50 years, only 40 professors throughout the UC system have ever been appointed University Professor. Since 1972, six UCLA faculty have been given this honor, including one active UCLA faculty member.

Donald J. Cram, 1919-2001 *(Chemistry and Biochemistry)*, 1988
Robert B. Edgerton, 1931-2016 *(Psychiatry and Biobehavioral Sciences)*, 1996
M. Frederick Hawthorne, 1928-2021 *(Chemistry and Biochemistry)*, 1998
Julian S. Schwinger, 1918-1994 *(Physics)*, 1980
Lynn Townsend White, Jr., 1907-1987 *(History)*, 1972
Owen N. Witte, 1949 — *(Microbiology, Immunology, and Molecular Genetics)*, 2016

Course Information and Numbering

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Departments and programs are listed alphabetically, with the College or school administering the program identified in the program heading. Curricula and courses are listed under each program. Every effort has been made to ensure the accuracy of the information presented. However, all courses, course descriptions, instructor designations, and curricular degree requirements described herein are subject to change or deletion without notice. Changes to course descriptions are available at the Registrar's **course descriptions** web page. For current class offerings by term, see the **Schedule of Classes**.

For complete graduate degree requirements, see **program requirements for UCLA graduate degrees**.

Course Numbers and Types

Undergraduate courses are classified as lower division and upper division.

Undergraduate Courses

Lower-division courses (numbered 1–99) are often surveys offering preliminary introduction to the subject field. They are designed primarily for freshmen and sophomores, though upper-division students may enroll for unit and grade credit. Lower-division courses may not be applied toward graduate degrees.

Upper-division courses (numbered 100–199) are open to all students who have met the requisites stated in department requirements or the course description. Preparation generally includes at least one lower-division course in the subject or two years of college work. With approval of the major department, graduate students may take 100-series courses toward satisfaction of master's degree requirements.

Seminars and Tutorials

***Fiat Lux* freshman seminars (numbered 19)** are taught by faculty in areas of their expertise. They introduce freshmen to topics of intellectual importance and enable them to participate in critical discussion of these topics with a small group of peers. The seminar series takes its name from the motto of the University of California: *Fiat Lux—Let There be Light!*

Sophomore seminars (numbered 88) are department-sponsored courses designed to provide sophomores with the opportunity to participate in small seminars to enhance writing, verbal, and analytical skills.

Honors seminars and tutorials (numbered 89/189 and 89HC/189HC) are primarily designed for students in the College Honors Program. They are adjunct to lecture courses and explore lecture topics in more depth through supplemental readings, papers, or other activities.

Student Research Program tutorials (numbered 99) offer students entry-level research experiences. Students serve as apprentices working with an individual faculty member or in a research group. Students are graded on a Passed/Not Passed (P/NP) basis.

Upper-division seminars (numbered 190–194) are small seminars with between 15 and 20 students that focus on research practice or issues. Many are designed to be taken along with a tutorial course in the 195–199 series.

Upper-division tutorials (numbered 195–199) offer advanced opportunities for research through faculty-supervised internships and apprenticeships as well as honors research, directed research, and senior projects. Courses are structured by the instructor and student at the time they are initiated and are open to juniors (with a minimum 3.0 grade-point average in the major field), seniors, and graduate students. To enroll, students submit a contract (through MyUCLA) and have it approved by both the instructor and department chair.

Note: For current course descriptions, see the Registrar's **course descriptions** web page.

Graduate Courses

Graduate courses numbered 200–299 are generally open only to graduate students who have completed basic undergraduate courses in the subject. Courses and seminars in the 200 series can fulfill the minimum graduate course requirement for any advanced degree.

With departmental and instructor consent, and subject to requirements in the appropriate College or school, undergraduate students may enroll in 200-series courses for unit credit toward the bachelor's degree. If students take a graduate course as an undergraduate, they may not apply that same course later toward a higher degree.

Graduate courses numbered 300–399 are highly specialized teacher-training courses that are not applicable toward UC minimum requirements for graduate degrees. They are acceptable toward the bachelor's degree only at the discretion of the individual College or school.

Graduate courses numbered 400–499 are designed for professional programs leading to graduate degrees other than the MA, MS, and PhD. These courses may not be used to satisfy minimum graduate course requirements for the MA or MS degree but may apply as electives.

Individual study and research courses numbered 500–599 are reserved for advanced study and are not open to undergraduate students. Courses are numbered as follows: 595/596, directed individual study or research; 597, preparation for master's comprehensive or doctoral qualifying examination; 598, master's thesis research and preparation; and 599, doctoral dissertation research and preparation. Courses numbered 501 are not individual study and research but are cooperative programs held in conjunction with USC. See individual department sections for specific limitations on 500-series courses.

Note: These definitions do not apply to courses in the School of Law, which maintains its own course numbering system.

Other Course Types

Temporary Courses

Student-taught class topics are not published in the catalog. Their descriptions can be found in the **Schedule of Classes**.

Undergraduate Student Initiated Education seminars (numbered 88S) offer junior and senior undergraduate students the opportunity develop and facilitate a seminar in the spring quarter for their first year and sophomore peers.

Collegium of University Teaching Fellows seminars (numbered 98T) are taught by outstanding graduate students in their area of expertise. The courses cover a wide variety of topics and are offered in the winter and spring quarters. Many are also approved to satisfy general education requirements.

Variable Topic Courses

Courses designated as variable topics allow a different topic to be taught under a single course number each time the course is offered. The courses are not limited to specific course numbers, and are identified by their title and description, which often indicate that the courses are about topics in a given subject. Topics and class descriptions for individual class sections can be found in the **Schedule of Classes**.

Concurrent and Multiple-Listed Courses

Concurrently-scheduled courses (identified by a capital C before the course number) are pairs of courses, usually within a single department or program, for which credit is given at two levels—undergraduate and graduate. Concurrently-scheduled courses are offered at the same time and place with the same instructor, but work levels and performance standards are evaluated differently for students

at each level. (Concurrently-scheduled courses as described here should not be confused with concurrent courses offered through UCLA Extension.)

Multiple-listed courses (identified by a capital M before the course number) are courses offered jointly by more than one department and/or subject area. They need not have identical course numbers, but all other aspects of the course—such as title, units, requisites, format, and level—must be the same. For example, Language in Culture is offered by the Anthropology Department (Anthropology M150) and the Linguistics Department (Linguistics M146). The course is listed in both departments.

Foreign Literature in English Translation

A **list of courses**, offered by language and literature departments, that do not require reading knowledge of any foreign language is available on the Registrar's website.

UCLA Extension Courses

In general, students may not attend UCLA Extension for degree credit if they are enrolled in UCLA regular session at the same time. However, certain Extension courses (numbered 1–199), prefixed by XL or XLC in the Extension catalog, yield credit toward the bachelor's degree. For details, see **UCLA Extension** in Academic Policies—Degrees. Graduate students may petition to apply up to two XLC courses toward the master's degree.