



Campus Updates on Majors and Preparation Requirements

This is a summary of the anticipated changes to UC campus undergraduate majors and preparation requirements as of May 1, 2007. Only changes are listed below; for a complete list of all major offerings and selection criteria, visit the campus websites provided.

UC BERKELEY

No changes have been made to major offerings and preparation requirements.

For more information: espm.berkeley.edu/ugmajors/SE/index.html
students.berkeley.edu/admissions/transfer.asp

UC DAVIS

New Majors:

Agricultural and Environmental Education, B.S.

College of Agricultural and Environmental Sciences

Effective for fall 2008 for new undergraduate applicants. TAGs available.

This non-selective major serves those interested in teaching agricultural and environmental sciences in schools or in non-formal settings such as nature preserves, environmental camps or other venues. The major prepares graduates to direct programs in the agricultural sciences as well as provides them with a skill set necessary to work within social science careers related to these fields. This program of study meets state and federal requirements for teacher preparation in agriculture and science, as well as requirements in career technical education.

New Emphases:

The **Chemistry** major now offers three emphases: **pharmaceutical chemistry, environmental chemistry and chemical physics**. Pharmaceutical chemistry is proving to be a popular option. It provides students with an in-depth understanding of the experimental and computational processes and societal issues that surround the discovery and design of modern pharmaceutical drugs. Important relevant topics include potential drug targets, physical principles of drug action and more. The demand for pharmaceutical chemists is high and anticipated to grow. Students with a bachelor's degree in Chemistry with a pharmaceutical chemistry emphasis are employed in all aspects of the pharmaceutical and other health-related industries. For more information: admissions.ucdavis.edu/academics/majors.

Other Important Updates:

Students interested in the **Landscape Architecture** major should submit their portfolios in February rather than April. Transfer students may provide their portfolios before or after enrollment. Contact the Landscape Architecture Advising Office at (530) 754-8628 for more information.

For more information: admissions.ucdavis.edu/academics/majors

UC IRVINE

New Majors:

Business Administration, B.A., is offered in the Paul Merage School of Business and educates students to understand and apply the theories and concepts of effective business and management and prepares them for a wide variety of careers and life experiences. The program provides a broad learning experience in a multidisciplinary and global context and focuses on the development of essential managerial skills, especially critical thinking, quantitative and qualitative analysis, and effective communication skills. The new major will be effective fall 2008.

Business Information Management, B.S., is a collaborative, interdisciplinary degree program between the Donald Bren School of Information and Computer Sciences and the Paul Merage School of Business. The program seeks to educate students to understand and then apply the theories and concepts of a broad, integrated curriculum covering computing, informatics, business fundamentals and analytical decision-making. The new major will be effective fall 2007.

Pharmaceutical Sciences, B.S., trains students in a multidisciplinary approach so they can contribute to the advancements of new pharmaceutical technologies. The graduates of this program may seek employment in public and private sectors or choose to pursue graduate degrees such as a Ph.D., M.D. or a Pharm.D. This program is offered by the College of Health Sciences and will open to transfer students in fall 2008.

New Minors:

Jewish Studies introduces students to the many facets of Jewish cultures through the study of history, philosophy, art, literature, languages, and social and political institutions of Jews from ancient to modern times. The new minor will be effective fall 2007.

Korean Literature and Culture provides students the opportunity to gain substantially from firsthand experience of the culture they have studied academically while still making progress toward their UCI degree. The new minor will be effective fall 2007.

For more information: www.admissions.uci.edu/as_adm.html

UCLA

New Majors:

Architectural Studies, B.A. – The B.A. in Architectural Studies is a two-year major. This program is offered as a major concentration of study within the larger liberal arts curriculum beginning with the junior year of residence. The sequence of courses designed for the major meet two objectives. The first provides an understanding of architecture and urban design as a humanist discipline, which engages cultural and social studies and the history of architecture and cities. The second provides—at the same time for those interested students—a preparation for graduate studies. Applications to the school are limited to the fall quarter and are reviewed for admissions by the department; students must also submit supplemental application materials.

Environmental Science Studies, B.S. – This program is offered in the College of Letters and Science and represents strong collaboration between the Institute of the Environment and the Departments of Atmospheric and Oceanic Sciences, Civil and Environmental Engineering, Earth 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. Graduates of this program will be fully prepared to enter a career in environmental science or to continue their education in a graduate degree program.

Nursing-Generic/Prelicensure, B.S. – This program is designed to prepare students for a career in nursing. It will focus on managing both individuals and population-based cohorts within an acute-care hospital or medical center. Students successfully completing the B.S. degree also acquire an educational foundation for entry into the master's program that prepares nurses for clinical practice for the hospital or advanced practice nurses for roles as nurse practitioners, clinical nurse specialists, and administrators in primary and acute care. This program will open to transfer students in fall 2008.

Changes in Names of Majors:

- **Slavic Languages and Literatures** becomes **Central and East European Languages and Cultures**
- **Cybernetics** becomes **Computational and Systems Biology**
- **General Mathematics** becomes **Mathematics for Teaching**

New Minors:

- **Biomedical Research**
- **Central and East European Studies**
- **Civic Engagement**
- **Conservation Biology**
- **Human Complex Systems**
- **Disability Studies**
- **Theater**

- **Urban and Regional Studies**

For more information: www.admissions.ucla.edu (click on “Prospective Students,” then “Majors and Minors Offered”)

UC MERCED

New Majors:

Applied Mathematical Sciences, B.S. – A Bachelor of Science degree in Applied Mathematical Sciences prepares students in the fundamentals of applied mathematics: modeling, analysis and scientific computing applied to real-world problems. Emphases: economics, computational biology, physics. Students may design their own emphasis tracks with faculty approval. This major is available to transfer students effective fall 2008.

Chemical Sciences, B.S. – The Chemical Sciences program is designed to meet the requirements for American Chemical Society certification while providing the flexibility to pursue increasingly important interdisciplinary areas. Emphases: chemistry, biological chemistry, materials chemistry, environmental chemistry. This major is available to transfer students effective fall 2008.

Cognitive Science, B.A. or B.S. – The Cognitive Science major at UC Merced integrates theories and methods from neuroscience, linguistics, psychology, computer science and philosophy, and provides hands-on experience in laboratories or in the field. It is ideal for students interested in how humans and machines think, perceive, act and interact. The B.A. and the B.S. prepare students for a wide range of careers, including positions in high-tech companies and medical settings. It also provides excellent training for graduate study in fields as diverse as information sciences, neuroscience, medicine, law, management, psychology, computer science and engineering, industrial engineering, and communications. This major is available to transfer students effective fall 2008.

Economics, B.A. – The Economics major is built on a foundation of strong theoretical and statistical training. The major provides students solid grounding in microeconomic and macroeconomic theory, statistical and econometric methodology, and applied economic analysis. The Economics major emphasizes the role of incentives and institutions in shaping economic outcomes and how public policies influence economic performance. Special emphases: labor economics, public economics, political economy, law and economics, environmental economics, quantitative methods, and U.S. economic history. This major is available to transfer students effective fall 2007.

History, B.A. – The History major will train students to understand and use methods for examining human activities in the past. Students may explore environmental history, the history of science and technology, the history of migration and cultural intersections, and issues of world, national, state and local history. Current Merced faculty members’ areas of expertise include archives and museums, the study of global conflict and diplomacy, American history, world history, political geography, and the digital mapping of

historical and cultural phenomena. This major is available to transfer students effective fall 2007.

Literatures and Cultures, B.A. – UC Merced’s Literatures and Cultures major is truly global and interdisciplinary. The major is divided into two concentrations: literatures of the English-speaking world and literatures of the Spanish-speaking world, which makes UC Merced’s literature program rather unique. Students will have many opportunities for research with faculty members whose expertise includes U.S. Latino literature and film, reception studies, regional and local literatures including environmental and contemporary ethnic literatures of California, and Hispanic literatures, including interdisciplinary connections to literature and history of African cultures. This major is available to transfer students effective fall 2007.

Materials Science and Engineering (MS&E), B.S. – This major embraces skills from Physics, Chemistry, Mathematics and Biology. It is therefore especially appealing to anyone who enjoys interdisciplinary studies and who seeks to apply such knowledge to solving practical engineering problems. MS&E graduates are highly versatile in the job market. Employers appreciate the ability of MS&E graduates to relate to people across a wide spectrum of expertise. This major is available to transfer students effective fall 2008.

Physics, B.S. – The Physics program at UC Merced educates students in the fundamental physical properties of the natural world and how these properties are manifest in a wide array of phenomena. Emphases: atomic/molecular/optical (AMO) physics, mathematical physics, biophysics, earth/environmental physics. This major is available to transfer students effective fall 2008.

Political Science, B.A. – Students in the Political Science program at UC Merced will develop a strong, substantive understanding of both political institutions and behavior. Political Science majors will choose courses from three subfields of the discipline: American Politics, Comparative Politics, and International Relations. The knowledge and skills acquired with the Political Science major should provide a strong foundation for graduate training in law, political science or other social sciences. However, graduates can pursue a wide variety of other careers, such as public administration, campaign management or consultation, grassroots political organization, corporate governmental affairs, foreign service, journalism, lobbying or teaching. This major is available to transfer students effective fall 2007.

Psychology, B.A. – The Psychology program at UC Merced provides students with an understanding of the major questions and methodologies across psychology, including a common core of statistical and experimental methods courses. Upper-division courses and projects allow students to explore the various substantive specialties in psychology, and to identify the areas of psychology that they might wish to pursue further. UC Merced’s interdisciplinary approach ensures graduates have a well-rounded educational background, and the school offers many opportunities for undergraduates to participate in research projects with professors. This major is available to transfer students effective fall 2007.

Changes in Majors:

- **Social Cognitive Sciences** is discontinued; the majors of **Political Science**, **Psychology** and **Cognitive Sciences** have been added in its place. The public policy emphasis has been discontinued.
- **World Cultures and History** is discontinued; the majors of **History** and **Literature** have been added in its place.

New Minors:

- **Natural Sciences Education**
- **American Studies**
- **Anthropology**
- **Arts**
- **Cognitive Science**
- **Economics**
- **History**
- **Management**
- **Philosophy**
- **Political Science**
- **Psychology**
- **Services Science**
- **Sociology**
- **Spanish**
- **Writing**

Other Important Updates:

1) New articulation agreements will become available in fall 2007. Articulation prior to fall 2007 should not be used. UC Merced's Admissions Office is currently in the process of updating all previous articulation for UC Merced majors. Inquiries regarding major preparation should be directed to Susan Fauroat at sfauroat@ucmerced.edu.

2) Student interested in majoring in **Biological Sciences** at UC Merced should focus on completing their calculus and chemistry requirements prior transferring. Students are strongly encouraged to complete BIS 1: Contemporary Biology at UC Merced.

For more information: admissions.ucmerced.edu (click on "Majors and Academics")

UC RIVERSIDE

New Majors:

Bioengineering, B.S. – Bioengineering at UCR is an interdisciplinary effort that couples expertise in the biosciences and engineering in order to make biologically based, health- and medical-related technological advances for positive societal impact.

Global Studies, B.A.– The UCR Global Studies major is a broad, multidisciplinary study of events, processes, and problems that transcend national boundaries. Students majoring in Global Studies explore transnational issues of global governance and security; global history, migrations, and economic systems; global social movements; global health and environmental sustainability; the global consequences of new technologies; and global literature, popular culture and media. Global Studies is concerned with the study of globalization as we experience it today, but also provides students with a historical perspective of earlier socio-cultural, political, economic, ecological, demographic, and biomedical trends towards globalization.

Materials Science Engineering, B.S. – Materials Science Engineering (MSE) is concerned with the study of the structure, properties and applications of materials. The proposed MSE program aims to provide fundamental knowledge for understanding of materials with the objective of predicting, modifying, and tailoring the properties of materials to achieve enhanced performance of the materials and devices based on these materials. This major will begin fall 2007.

Public Policy, B.A. – The UCR public policy major/minor allows students to specialize in two of six tracks: health/population policy, social/cultural/family policy, economic policy, urban/environmental policy, policy institutions and processes, and international/foreign policy. Courses from 12 departments can be used to satisfy the program requirements – anthropology, economics, environmental sciences, ethnic studies, film and visual culture, history, political science, philosophy, psychology, religious studies, sociology, and women’s studies. The public policy major/minor will provide students with a set of research, analytical, and management skills that are transferable across sectors and across issue areas. Thus, it will prepare students for a career not only in public service (federal, state and local government agencies) but also at not-for-profit and for-profit organizations.

New Major Track:

Biological Sciences, B.S., Medical Biology track – The Medical Biology track provides a solid foundation in science and mathematics for students who plan a career in medicine, health sciences or veterinary medicine. The track is also excellent preparation for graduate research in modern cell and molecular biology and physiology. Although clinical courses are not part of the curriculum, the track prepares students for specific training for clinical applications in the health sciences, including medicine, veterinary medicine, osteopathic medicine, chiropractic medicine, dentistry, podiatry, optometry, pharmacy, laboratory technology, public health, nursing, physical therapy, nutrition, epidemiology, forensics, hospital administration and physician’s assistant.

Other Important Updates:

- 1) There are important changes to major requirements within the Bourns College of Engineering. Please consult ASSIST to determine required and recommended courses.

- The College of Engineering will accept applications for winter terms starting in 2008.
- 2) **Business Administration** has revised lower division major curriculum and changed selection criteria for admission to the major. See ASSIST for specific changes.
 - 3) The following are tracks or concentrations within **Business Administration**:
 - accounting
 - arts management (new)
 - environmental management (new)
 - financial economics
 - general management
 - human resource management
 - information systems
 - international management
 - managerial economics
 - marketing
 - operations and supply chain management (new)
 - public policy and management (new)
 - 4) UC Riverside has been approved for a new medical school.
 - 5) Transfer Admission Guarantees have been extended to ALL UCR majors, including Engineering.
 - 6) Transfer Hall and special campus life programs are now available in the residence halls.
 - 7) UCR now has a Tau Sigma Transfer Honor Society chapter on campus.

For more information: my.ucr.edu/prospective/majors.aspx

UC SAN DIEGO

New Majors:

Literature/Cultural Studies, B.A. – This major aims to provide students with broad cultural literacy and critical thinking skills in language, visual media, social practices and theories of interpretation, which are basic, necessary cornerstones of a humanities education. With four focus areas—visual culture, popular cultures, culture and globalization and social identities — the undergraduate major in Literature/Cultural Studies offers literacy in a range of traditional and modern cultural forms (from literature and texts, to film, art and visual culture) and methods for interpreting these cultural forms. The program prepares students to engage with a society whose “culture” is increasingly, diverse, international and multilingual.

Mathematics, Probability and Statistics, B.S. – The Mathematics, Probability and Statistics major is designed for students who have a substantial interest in probability and statistics. It is useful preparation for graduate school and for employment in high-demand professions including: business; risk, quality and data analysis; investigation; environmental science; project management; economics; government research; college education.

For students transferring to UC San Diego to this major we recommend completing as many lower-division requirements as possible at their community college.

New Minor:

- **Earth Sciences** has changed to **Marine Sciences**.

For more information: registrar.ucsd.edu/docs/major_code_list.pdf

UC SANTA BARBARA

Changes in Names of Major (effective fall 2007):

- **Dramatic Art** becomes **Theater**

Changes in Major Emphases (effective fall 2007):

- **Art—Non-Western emphasis** becomes **Art—emphasis in the art of Africa, Asia, and the Americas**
- **Classics—emphasis in classical civilizations** is discontinued. **Classics—emphasis in Greek and Roman culture** is added.
- **Computer Science—emphasis in computational economics** is added.
- **Geological Science—emphasis in Earth and planetary science** and **Geological Science—emphasis in geohydrology** are added.

Other Important Updates:

1) Business Economics, Economics and Economics/Mathematics majors:

- Beginning fall 2008, transfer students who wish to declare the **Business Economics** major must complete the following four courses with a 2.75 GPA before admission to UCSB: one microeconomics course, one macroeconomics course, one statistics course and one calculus course.

- Beginning fall 2008, transfer students who wish to declare the **Economics** or **Economics/Mathematics** major must complete the following four courses with a 2.75 GPA before admission to UCSB: one microeconomics course, one macroeconomics course and two calculus courses.
- Transfer students applying for fall 2008, please note: In addition to the courses listed above, **Business Economics, Economics and Economics/Mathematics majors** have additional pre-major requirements. Once admitted to UCSB, students who have not yet completed all of the pre-major requirements must complete the remaining courses with a UC GPA of 2.85 or better. Transfer grades (from a non-UC school) will not be used in the 2.85 GPA calculation. Transfer grades will only be used as criteria for admission to UCSB in one of the economics majors.

2) **Law and Society** continues to be closed to applicants.

For more information: www.admissions.ucsb.edu

UC SANTA CRUZ

New Majors:

Bioengineering, B.S., focuses on the applications of engineering to medicine and the biological sciences. Bioengineering provides students with fundamental knowledge of mathematics, science, and technology, and advanced training in engineering at the molecular, cellular, and organismal levels.

Computer Science: Computer Game Design, B.S. The first of its kind in the UC system, this interdisciplinary program provides students with a deep understanding of the technical aspects of computer game engineering and a broad background in the artistic, narrative and dramatic elements of game design.

Computer Engineering has added a new concentration in **Autonomous and Embedded Systems (Robotics)**.

New Department:

Applied Mathematics and Statistics (AMS) focuses on modeling the world around us in order to solve real-world problems. The field has important, timely applications in astrophysics, biology, earth and marine sciences, engineering, and geophysics.

Other Important Updates:

- The following majors now require AMS 7/7L (biostatistics + lab); statistics courses articulated to AMS 5 are no longer acceptable. Affected majors are:
 - Biological Science majors in Ecology and Evolution

- Marine Biology
 - Plant Sciences
 - Environmental Studies
 - Environmental Studies/Biology
 - Environmental Studies/Earth Sciences
- Transfer students majoring in **Sociology** are no longer required to take precalculus. However, the Sociology major and the **Latin American and Latino Studies/Sociology** major are now selective. Transfer students must pass the following three UC Santa Cruz lower-division sociology courses or their equivalents with a GPA of 3.0 or higher prior to acceptance in the **Sociology** major:
 - Sociology 1: *Introduction to Sociology*
 - Sociology 10: *Issues and Problems in American Society*
 - Sociology 15, *World Society*

A GPA of 3.0 in any two of the courses listed above is required for acceptance to the **combined Sociology/Latin American and Latino Studies** major. A grade of B or higher in one of the courses listed above is required for acceptance to the Sociology minor. *Note: SOCY 15 must be completed at UCSC.
 - All majors in the **Economics** department (**Business Management Economics, Economics and Global Economics**) will require statistics starting fall 2007.

For more information: admissions.ucsc.edu/apply/transfer_guide.cfm