



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 April 2011. Only changes are listed below; for a complete list of all major offerings and selection criteria, visit the campus websites provided.

UC BERKELEY

Major Name Change:

The **Asian American Studies** major has been changed to **Asian American and Asian Diaspora Studies**.

New Online Course:

The **College of Chemistry** will offer a new interactive course entirely online during the August 12 2011 Summer Session. Chemistry W1A which is a 3-unit course equivalent to Chemistry 1A. The course is entirely online, including lectures, demos, chemistry quizzes, and discussions. On campus laboratory sections are also available.

Discontinued Majors:

- Computational Engineering Science B.S. in the **College of Engineering**, effective July 1, 2011.
- Physical Sciences Field Major in the College of Letters and Sciences, effective July 1, 2013. No new student will be admitted to the major after spring 2011.
- Environmental Sciences B.A. in the College of Letters and Sciences, effective July, 1, 2011.

ASSIST Updates:

College of Environmental Design

- Additional Environmental Design Architecture courses at Mount San Antonio College and San Diego Mesa College have been approved.

College of Letters and Science

- New courses to meet the College of Letters and Science reading and composition requirement have been approved at Barstow College, Cuyamaca College, and Palo Verde College.
- New Physics courses have been approved at Victor Valley College.

For more information: berkeley.edu/academics/dept/a.shtml

UC DAVIS

New Minors:

- **Energy Policy** and **Energy Science & Technology** are two new minors offered by the **College of Engineering**. There is an urgent need to develop and commercialize technologies for the sustainable conversion and use of energy. The goal of these minors is to prepare students for careers that require training in energy science and technology and energy policy. Clean-tech and green-tech markets including energy are some of the fastest growing in new investment, and well-trained individuals in all related fields are needed to provide the level of expertise required to advance technology and policy, and to satisfy state, national and international objectives for greater energy sustainability. The Energy minors are expected to accommodate persons of diverse background with educational interests in areas that may include engineering, science, policy, economics, planning, and management. View the websites for additional information:

http://engineering.ucdavis.edu/undergraduate/files/EENP_minor.pdf

http://engineering.ucdavis.edu/undergraduate/files/EEST_minor.pdf

Changes to Selective Major Criteria:

Selective majors in the **Colleges of Agricultural and Environmental Sciences, Biological Sciences and Letters and Science** will require a minimum 3.20 overall transferable GPA for fall 2012 TAGs. TAG students must now meet or exceed the minimum group GPAs for selective majors from the time their TAGs are submitted up to the time of enrollment. Non-TAG applicants are encouraged to apply with a 2.80 overall transferable GPA or higher; it is recommended that non-TAG candidates for admission have met the required group GPA for courses completed at the time of application through the transfer academic update filing period.

All majors in the **College of Biological Sciences** will accept Mathematics 16A/B/C in fulfillment of the calculus requirement only for transfer students admitted prior to fall 2013. Students should take Mathematics 17A/B/C or 21A/B to complete the calculus requirement for admission to these selective majors.

All majors in the **College of Engineering** will require a minimum 3.30 overall transferable GPA for fall 2012 TAGs. Non-TAG applicants are encouraged to apply with a 3.10 overall transferable GPA or higher.

Biochemical Engineering, B.S. no longer allows the discontinued course Biological Sciences 1A; instead students are required to complete Biological Sciences 2A.

Biological Systems Engineering, B.S. requires students to complete University Writing Program 1 rather than English 3. Biological Sciences 1A/B/C has been discontinued; instead students are required complete Biological Sciences 2A. Biological Sciences 2B and 2C are recommended.

Computer Engineering, B.S. no longer requires Engineering 6.

Changes to Majors:

Statistics A.B. now considers Mathematics 16 A/B/C or 17A/B/C or 21A/B/C to satisfy the calculus requirement for its preparatory subject matter.

Department Changes for Majors:

International Agriculture Development, B.S. is now administered by the Plant Sciences Department rather than by Human and Community Development.

Discontinued Majors:

Avian Sciences, B.S. is discontinued and closed to new applicants for admission fall 2012. Interested students are directed to the Animal Science major with areas of specialization in Avian Sciences and Poultry. The minor in Avian Sciences continues.

Important Updates:

- **Prerequisite Changes: Biological Sciences 2B** requires a prerequisite grade of C minus (C-) in course 2A. Transfer students planning non-selective majors that require Biological Sciences 2B and who are planning to take Biological Sciences 2B at UC Davis must have completed the prerequisite of Biological Sciences 2A or its equivalent with a C minus (C-) grade or better. Students entering UC Davis with a grade less than C- in Biological Sciences 2A have not completed the prerequisite to the course and may be asked to repeat Biological Sciences 2A to enter Biological Sciences 2B or 2C.
Students planning selective majors such as those in the **College of Biological Sciences and Biotechnology**, must complete courses from the Biological Sciences 2A/B/C series with a minimum grade of C or better in each course, and meet the group series GPA to be admitted to the campus.
- **Pattern of General Education (GE):** The UC Davis GE requirement will change effective fall 2011 and a summary will be published in the Fall 2011 UC Davis General Catalog Supplement, to be available online after June 17, 2011 at <http://registrar.ucdavis.edu>. The revised GE requirement has two components, Topical Breadth and Core Literacies. The Topical Breadth component includes three areas: Arts and Humanities, Science and Engineering, and Social Sciences. The Core Literacies component, considered crucial both for success in one's profession and also for thoughtful engaged citizenship in the community, nation, and world, includes Literacy with Words and Images, Civic and Cultural Literacy, Quantitative Literacy, and Scientific Literacy.
- Beginning 2012–13 the College of Agricultural and Environmental Sciences will no longer consider **second baccalaureate degree applicants**.

For more information: admissions.ucdavis.edu/majors
admissions.ucdavis.edu/admissions/tr_select_majors.cfm

UC IRVINE**New Majors:**

Biomedical Computing (B.S.) is the intersection of computer science and information technology with biology and medicine. Students will receive a firm quantitative grounding in mathematics, statistics, and computation, become familiar with the basic foundations of physics, chemistry, and biology, master a rigorous and demanding biomedical computing yearlong sequence, study theory, algorithms, data mining and machine learning, and carry out a year-long immersive capstone senior project. Open to transfers in fall 2011.

The **Computer Game Science** (B.S.) major combines a solid foundation in computer science with a focus on designing, building and understanding computer games and other forms of interactive media. The fundamentals of information and computer science, along with coursework in mathematics, statistics, physics, and film and media studies, provide students with the concepts and tools to study a wide scope of computer game technologies. The major emphasizes design, collaboration, and the understanding of computer games and related technologies and media in a social and cultural context. Open to transfers in fall 2011.

For more information: www.admissions.uci.edu (click on “Academic Programs,” then “List of Majors and Minors”)

UCLA

New Majors effective fall 2011:

Major Preparation for B.A. in Human Biology and Society:

Transfer applicants to the Human Biology and Society B.A. major with 90 or more units must complete at least 5 out of the following 7 preparatory courses, which include the equivalent of Life Science 1 and 2, introductory chemistry, statistics, an anthropology course on human evolution, and two introductory social science or history courses, prior to admission. Society and Genetics 5 must be taken at UCLA once a transfer student is admitted to the university.

Major Preparation for B.S. in Human Biology and Society:

Transfer applicants to the Human Biology and Society B.S. major with 90 or more units must complete the following introductory courses prior to admission: one year of general biology with laboratory for majors, preferably equivalent to Life Sciences 1 and 2, one year of calculus, one year of general chemistry with laboratory for the major, 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. Students should also complete at least 2 of the following introductory courses prior to admission: one statistics course, one anthropology course in human evolution, and two courses in introductory social sciences or history. Society and Genetics 5 must be taken at UCLA once a student transfers to the university. For more information, please visit www.admissions.ucla.edu (click on “Prospective Students,” then “Majors and Minors Offered”).

Please note that these two majors will be fully articulated in Assist at the end of summer 2011, therefore students are encouraged to follow UCLA’s Life Science major preparation core which includes the following: one year of biology with laboratory, one year of general chemistry with laboratory, one year of calculus and one semester of organic chemistry with laboratory. Completion of a second semester of organic chemistry or one year of calculus-based physics is strongly recommended.

UCLA is accepting applications only for the fall quarter.

Updates and Recommendations:

- **Economics/International Area Studies** is no longer available.
- **Mathematics/Economics Major** has changed; One course in Writing II is now required.
- The **Pre-International Development Studies** major has been reinstated effective Fall 2010.

This major is highly selective. Transfer students are admitted as Pre-International Development Studies majors and must apply to the International Development Studies major after their first term at UCLA. Transfer applicants MUST complete a minimum of six lower division major preparatory courses by the spring term prior to admissions.

- There are Articulated course to course agreements for the following majors beginning fall 2010: American Literature and Culture; Chemistry/Materials Science; Comparative Literature and Asian American Studies.
- The following **Engineering Majors: Aerospace, Bioengineering, Chemical Civil, Material and Mechanical** no longer accept Fortran as a programming course for the major. C++ is the preferred language, however, C, or Java remain acceptable courses for these majors.
- **Engineering Majors: Computer Science, Computer Science & Engineering and Electrical Engineering** no longer except C and Java as programming courses for the major and have been removed. C++ is the preferred language for these majors.
- **Please note:** Students may complete the above mentioned programming courses (C, C++ or Java) to meet the admissions requirements for HSSEAS, however if the course has not been articulated as an equivalent to Computer Science 31, then the course must be completed at UCLA.
- The **School of Nursing:** Post licensure RN-BS program has been suspended for the 2011-2012 academic year. There has been no discussion as to whether the suspension is temporary or permanent.
- The **School of Theater, Film and Television:** The “Directing” specialty which was available as an option under Theater major has been removed permanently

For more information: www.admissions.ucla.edu/prospect/coll_sch.htm

UC MERCED

New Minors:

Chemical Sciences: Chemistry is often known as “the central science” because of the key position it occupies in modern science and engineering. Most phenomena in the biological and earth sciences can be described in terms of the chemical and physical behavior of atoms and molecules, and chemical principles also underlie much progress in medicine and engineering. For these reasons, chemistry is a natural and useful minor for students majoring in other science and engineering disciplines.

Chicano/a Studies: The **Minor in Chicano/a Studies** is an interdisciplinary program that introduces students to the complex experiences, history, cultural practices, and social interactions of one of the largest ethnic groups in the United States. The program has been designed around conceptual and theoretical units that are central to Chicano/a Studies as a field. In the upper division courses, students, in final papers/projects, critically examine the concepts below as they tie in to each particular course.

Environmental Science and Sustainability: Environmental science is an interdisciplinary academic field that focuses on application of concepts and methods from the physical, chemical, biological, and social sciences to the study of the natural environment, and seeks solutions to environmental problems. Sustainability science aims to improve the quality of human life within the carrying capacity of supporting ecosystems. The Environmental Science and Sustainability minor at UC Merced allows students from diverse backgrounds to pursue interests in earth and environmental sciences in some depth without requiring the breadth of course work and extensive laboratory and field time required for the Earth System Science major.

Public Health: Public health can be defined as an approach to promote health, prevent disease, prolong life and improve quality of life through organized efforts of society. Focusing on the health and wellbeing of populations, public health complements medicine's concern for individuals with diseases. Through activities ranging from basic research, to frontline efforts such as vaccination programs, promotion of healthy lifestyles and environments, and disease control, and leadership on health policy formation, public health issues and outcomes touch the lives of people throughout the world. Public health is an interdisciplinary field drawing on the natural and social sciences as well as the humanities. One of the most important themes in public health is the disparities in health observed in different groups, for example related to economic resources and race/ethnicity, which is a focus in this curriculum.

Changes to Selective-Major Criteria:

For the Fall 2012 application cycle UC Merced will begin screening for admission to all majors in the schools of Natural Sciences and Engineering. The following provides an update.

All majors in the School of Natural Sciences

For the fall of 2012, applicants applying to the School of Natural Sciences must have a minimum GPA of 2.8 in transferable courses and complete the equivalent coursework listed below for their major with no grade less than a "C-".

Applied Math

- Chemistry 2
- Math 21 and 22
- Physics 8 and 9

Biological Sciences

- Bio 01 & Bio 1L with no grade less than B
- Math 11 or 21
- Chemistry 2 & 10
- Physics 18 or 8

Chemistry

- Chemistry 2 & 10
- Math 21 & 22
- Physics 8 & 9

Earth System Sciences

- Chemistry 2 & 10
- Math 11 or 21
- Physics 18 or 8

Physics

- Chemistry 2
- Math 21 & 22
- Physics 8 & 9

All majors in the School of Engineering

For the Fall 2012 semester, applicants must have a minimum overall GPA of a 2.8 and complete the equivalent coursework listed below for their major with no grade less than a “C-”.

- Math 21 & 22
- Math 23
- Math 24
- Chemistry 2
- Physics 8 & 9
- CSE 20 & 21 (Computer Science and Engineering majors must have grade of “B” or better).

For more information: admissions.ucmerced.edu/majors-and-academics

UC RIVERSIDE

Change to Psychology and Psychology Law & Society

- Effective fall 2012, the minimum GPA for admission to **Psychology and Psychology Law & Society** will be an overall 2.7. For more information: www.ucr.edu/academics/undergradmajors.html

Discontinued Majors

- The College of Natural Agricultural Sciences discontinued the **Biological Science B.S. major**.

For more information: www.ucr.edu/academics/undergradmajors.html

UC SAN DIEGO

New Major: Earth Science, B.S.

Division of Biological Sciences—All majors in this division are now impacted, effective fall 2011. For detailed information, please refer to biology.ucsd.edu/undergrad/enrollmentmanagement.html.

Jacobs School of Engineering—Bioengineering and Bioengineering: Biotechnology are both impacted. Additionally, Mechanical Engineering and Aerospace Engineering through the department of MAE are impacted. For more information on the Jacobs School of Engineering, please see: jacobsschool.ucsd.edu/admissions/admissions_tran/steps.shtml.

For more information on the majors available at UCSD:
www.ucsd.edu/current-students/academics/majors-minors/index.html.

UC SANTA BARBARA

Updates on Majors:

The **Psychology Department** is now the **Department of Psychology and Brain Sciences**. All undergraduate major requirements will remain the same.

The Sociocultural Linguistics Emphasis has been replaced by **Language, Culture, and Society, B.A.**

The B.S. degree in **Computer Engineering** no longer has a pre-major requirement. Pre-major course selection for admission to the **Economics** and **Economics and Accounting majors** has been streamlined (micro, macro, stats plus one calculus course or two calculus courses). See new language on assist.org.

The **College of Letters and Science** has begun discussions about pre-major screening for all majors requiring completion of the Chemistry 1A-1B-1C series including labs beginning fall 2013. Students who do not complete the courses by the end of the spring term and earn a specified GPA will not be admitted to the major. Majors affected include:

- **B.A. Geography**
- **B.A. Geography - Geographic Information Science Emphasis**
- **B.S. Physical Geography**
- **B.S. Biochemistry**
- **B.S. Biopsychology**
- **B.A. Chemistry**
- **B.S. Chemistry**
- **B.A. Computer Science - Computational Biology Emphasis**
- **B.S. Environmental Studies**
- **B.A. Geological Sciences**
- **B.S. Geological Sciences**
- **B.S. Geological Sciences - Climate and Environment Emphasis**
- **B.S. Geological Sciences - Geohydrology Emphasis**
- **B.S. Geological Sciences - Paleobiology Emphasis**
- **B.A. Geological Sciences - Science Education Emphasis**
- **B.S. Hydrologic Sciences and Policy - Biology and Ecology Emphasis**
- **B.S. Hydrologic Sciences and Policy - Physical and Chemical Emphasis**
- **B.S. Hydrologic Sciences and Policy - Policy Emphasis**
- **B.S. Geophysics**
- **B.A. Environmental Studies**
- **B.A. Physics Major**
- **B.S. Physics Major**

In addition to completing a 1 year sequence of General Chemistry with laboratory, with no individual grade less than “C”, a reminder that students interested in any of the Biological Science majors listed below must also complete 1 sequence (2-3 terms) of major-applicable General Biology with laboratory, with no individual grade less than “C”. A cumulative GPA of 2.7 or better is required in these courses.

- **B.S. Aquatic Biology**
- **B.S. Biochemistry - Molecular Biology**
- **B.A. Biological Sciences**
- **B.S. Biological Sciences**
- **B.S. Cell and Developmental Biology**
- **B.S. Ecology & Evolution**
- **B.S. Microbiology**
- **B.S. Pharmacology**
- **B.S. Physiology Major**
- **B.S. Zoology**

For more information: www.admissions.ucsb.edu

UC SANTA CRUZ

New Majors:

Cognitive Science B.S., administered by the **Psychology Department**

Jewish Studies B.A., administered by the **History Department**

Robotics Engineering B.S., administered by the **Jack Baskin School of Engineering**

New Major Names:

Health Sciences B.S. has changed to **Human Biology B.S.**

Neuroscience and Behavior B.S. has changed to **Neuroscience B.S.**

Course Changes:

Environmental Studies is moving its core course, ENVS 100/100L, to winter quarter. Transfer students are advised to come with all prerequisites completed except BioStatistics (AMS 7/L). General Ecology (ENVS 24), if needed, and AMS 7/L may be taken in fall quarter. In winter 2013 UCSC will begin offering the first winter quarter ENVS 100/100L. The course is offered only once a year, so students must plan ahead.

Fall 2011 students will take ENVS 100/L this fall if they have completed all prerequisites except AMS 7/7L and ENVS 24. We recognize that there are a number of community colleges that do not offer the equivalent of General Ecology (ENVS 24), so we have allowed transfer students to take it concurrently with ENVS 100/100L and AMS 7/7L. Be aware that this is a very large course load for the first quarter of transfer.

Discontinued Major:

The **Neuroscience and Behavior B.A.** program has been discontinued, but the **Neuroscience B.S.** major will continue.

Suspended Major:

The **Community Studies B.A.** is currently suspended and is not available to new undergraduates.

General Education Updates:

UC Santa Cruz has revised its general education requirements. Effective fall quarter 2010, students are required to complete one course each in:

- Cross-cultural analysis
- Ethnicity and race
- Interpreting arts and media
- Mathematical and formal reasoning
- Scientific inquiry
- Statistical reasoning
- Textual analysis and interpretation
- Upper-division disciplinary-based writing

In addition, undergraduates will complete one of three “perspectives” courses focused on environmental awareness, human behavior, or technology and society, as well as one two-credit course on creative process, collaborative endeavor or service learning. UC Santa Cruz also requires completion of two courses in English composition.

This summer UCSC will begin articulating transfer course work that will satisfy the new general education requirements.

Transfer students entering fall 2011 are held to UCSC’s previous general education requirements, as are currently displayed in ASSIST.

Virtual Spring Spotlight

Virtual Spring Spotlight, an online event for counselors, students, and families, was held April 28, 2011. Webcasts of five hours’ worth of live video chats are available for viewing online at admissions.ucsc.edu/visit/cwl/webcasts.html.

COMET Program

Admitted transfer students for fall 2011 can connect with current transfers through the COMET Program, an innovative program that matches admitted students with peer mentors. COMET 2011 runs April 14 through May 13. For more information, contact STARS Program Coordinator Claudia Parrish at cparrish@ucsc.edu.

Transfer Student Living and Learning Community:

Regardless of their college affiliation, all incoming transfer students who choose on-campus housing will reside at the Transfer Student Living and Learning Community at Porter College among other students with diverse academic ambitions and interests. This learning community encourages students to build a strong connection with UCSC while providing a supportive environment for academic success and personal growth.

The Slug Connection:

Prospective transfer students, go to admissions.sa.ucsc.edu/prospect to sign up for The Slug Connection, an e-mail service providing information about the aspects of UCSC that interest you most!

For more information: admissions.ucsc.edu/academics/majors/index.html