



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, 2009. Only changes are listed below; for a complete list of all major offerings and selection criteria, visit the campus websites provided.

UC BERKELEY

Changes in Existing Majors:

- **Name Change** — B.A. in Political Economy of Industrial Societies (PEIS) to Political Economy (effective July 1, 2009)
- **Business Administration, B.S. Major** — The breadth requirement for admission has changed from the 9-Course Breadth to the College of Letters and Science 7-Course Breadth for students applying in fall 2009 and beyond. See the agreements on [ASSIST](#) for specific guidelines.
- **Demonstrated interested in the major** is an important consideration but is particularly important for applicants to:
 - College of Chemistry
 - College of Engineering
 - College of Environmental Design
 - College of Natural Resources
 - Haas School of Business

Fast-Growing Minor:

Global Poverty, offered by the Blum Center for Developing Economies, provides students with the knowledge and experience to combat global poverty. There are currently 150 declared students in this two-year-old minor program. For more information, visit the Blum Center's website at blumcenter.berkeley.edu/undergraduate-minor-program.

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

UC DAVIS

New Emphases and Options:

- **Chemistry, B.S.**, College of Letters and Science
 - **Applied Chemistry — Forensic Chemistry** Emphasis

New Minors:

- **Luso-Brazilian Studies** (Spanish), College of Letters and Science (effective fall 2009)
- **Oceanography** (Geology), College of Letters and Science (effective fall 2008.)

Changes in Names of Majors:

- **College of Engineering:**
 - **Aerospace Science and Engineering, B.S.**, formerly Aeronautical Science and Engineering, B.S.

Changes in Names of Departments:

- **College of Engineering:**
 - **Mechanical and Aerospace Engineering**, formerly Mechanical and Aeronautical Engineering

Suspended Majors:

- **Computational Applied Science, B.S.**, College of Engineering, remains suspended indefinitely.
- **Nature and Culture, A.B.**, College of Letters and Science, has been suspended (effective for new applicants fall 2010).
- **Statistics, A.B.**, College of Letters and Science, is in the process of being discontinued. **Statistics, B.S.**, will *remain available* with options in Applied Statistics and Computational Statistics.

Changes to Selective-Major Criteria:

- Students applying to **Psychology**, College of Letters and Science, must complete the group of courses required for the major Psychology, A.B., with a GPA of 2.9 or higher (formerly the requirement for the group of courses in the major was 2.8). To be a competitive applicant for the Psychology major, students must have an overall GPA of at least a 2.8; an overall GPA of 2.9 or higher is required to qualify for a TAG. Transfer students are advised that although requirements for admission in the Psychology major are the same for the A.B. and B.S. degree options, lower-division preparation for graduation in the major may vary based on the degree and emphasis. Students are encouraged to view coursework for the A.B. degree and the B.S. degree with emphases available in Biology and Mathematics.

- The **Biomedical Engineering** major, College of Engineering, now requires students to take Engineering 6; students no longer have the option to take Engineering Computer Science 30 in lieu of Engineering 6. Engineering 35 or Physics 9D are no longer required for the major.

Other Important Updates:

The **College of Biological Sciences** continues to review courses comparable to those in the Introduction to Biology course series — Biological Sciences 2A-2B-2C — introduced last year. This series replaces the Biological Sciences 1A-1B-1C series formerly taught on campus. To provide a transitional period for community college students, UC Davis will continue to articulate the 1A-1B-1C series on [ASSIST](#) through 2009–10. Once the new series is articulated for your campus, students who have not begun Biological Sciences 1A-1B-1C should begin the new series. Students whose major requires completion of the entire Biological Sciences series are strongly advised to complete that series prior to matriculation as it significantly reduces time to degree. Community colleges that have not yet submitted course outlines for review with the new series are encouraged to contact Cindy Bevc, Articulation Officer, at (530) 754-7649 or cabevc@ucdavis.edu.

The **English** major, College of Letters and Science, revised its curriculum in 2008–09, removing from preparatory subject matter its requirement for English 30A-30B, 46A-46B-46C. New courses English 10A-10B-10C were introduced to the preparatory subject matter. Community colleges that have not yet submitted course outlines for review with the new series are encouraged to contact Cindy Bevc, Articulation Officer, at (530) 754-7649 or cabevc@ucdavis.edu.

Students applying to the non-selective majors of **Animal Science** and **Animal Science and Management** within the College of Agricultural and Environmental Sciences are strongly encouraged to complete the chemistry series prior to enrolling at UC Davis as it will help reduce time to degree.

Students applying to the non-selective majors of **Clinical Nutrition** and **Nutrition Science** within the College of Agricultural and Environmental Sciences are strongly encouraged to complete the chemistry and organic chemistry series prior to enrolling at UC Davis as it will help reduce time to degree.

Effective fall 2010, **second-baccalaureate degree applicants** will be considered in the College of Agricultural and Environmental Sciences only in Biotechnology, (pre-) Landscape Architecture, and Viticulture and Enology majors. Second-degree students are considered in the College of Engineering only if the student's first degree was not in engineering and if he or she completes lower-division preparatory work at and transfers from a California community college.

The University of California Regents have officially approved the **Betty Irene Moore School of Nursing**. The vision for the Betty Irene School of Nursing is to transform health care through nursing education and research. Graduates of the school will lead the nation in assuring patient safety, improving quality of care and health outcomes, guiding

policy decision and discovering and sharing knowledge to advance health. The school anticipates accepting its first class for the Master of Science and the Doctor of Philosophy degree programs in the fall of 2010. Additional students and programs will be phased in over the next decade. Visit nursing.ucdavis.edu for more information.

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

UC IRVINE

New Majors:

Business Administration, B.A., offered in the Paul Merage School of Business, 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 major will be open to junior-level transfer students effective fall 2010. However, admission to the major will be highly competitive due to limited space availability.

Business Information Management, B.S., is a collaborative, interdisciplinary degree program offered jointly by 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 major is open to junior-level transfer students effective fall 2009.

Music Theatre, B.F.A., is a new program offered by the Drama department for students showing professional aptitude for a career as a musical theater performer. The Bachelor of Fine Arts (B.F.A.) in Music Theatre offers most talented and motivated students the opportunity to train in acting, singing and dancing for the stage. Transfer students may audition as early as their second quarter of residence.

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

UCLA

The UCLA campus has no new majors for the 2009–10 academic year. New majors are usually added in late spring or summer. (*We will provide an update at the UC Counselor Conference.*) For more information, please visit www.admissions.ucla.edu (click on "Prospective Students," then "Majors and Minors Offered").

UCLA is accepting applications only for the fall quarter. In the past, the Henry Samueli School of Engineering and Applied Science accepted winter (and occasionally spring) applications, but currently the school is only open for fall quarter.

Recommendations for Fall 2010 Applicants:

Henry Samueli School of Engineering and Applied Science

- Engineering applicants are strongly encouraged to fulfill all the major requirements. Missing three or more prerequisite courses can jeopardize admission regardless of the student's grade point average.

College of Letters and Science

- Students applying to the **Global Studies** and **International Development Studies** majors will be expected to complete a minimum of six major-prerequisite courses for consideration to the major, effective for 2010 (for 2009, four courses were required).
- Students applying to one of the most popular majors — **Business Economics, Economics, Economics/International Area Studies, Sociology** and **Psychology** — are required to complete all the prerequisite courses for the major.
- Students applying to a Life Science major are required to have a minimum of seven prerequisite courses completed for the major, including 1 year of biology, 1 year of general chemistry, 1 year of calculus, and at least one semester of organic chemistry.

School of Nursing

The filing period for the fall 2010–11 academic year is November 30, 2009, for the UC application and January 15, 2010, for the School of Nursing Supplemental Application. Both applications are available on the School of Nursing website (www.nursing.ucla.edu).

- The **Generic Pre-licensure B.S. Nursing Program** is a three-year program for transfer students. The Bachelor of Science degree program, designed to prepare students for a career in nursing, focuses on managing both individuals and population-based cohorts within an acute-care hospital or medical center. Conceptually, the curriculum has been developed according to the principles of primary, secondary and tertiary prevention, moving from a systems, population-based approach to a cohort-based or unit-based perspective, and culminating with an intense focus on the individual level of care. Graduates of the program are well-prepared to deal with the demands of the present-day high-acuity patient populations and sophisticated technological environments.

Please note: This program is highly competitive, and each year very few transfer students are admitted; in 2008, 11 students were admitted to the program. Transfer applicants must have a minimum grade point average of 3.5 and complete IGETC *or* all general education requirements at the school where they

are currently or were previously enrolled and the equivalent of all of the following non-nursing pre-major courses:

- Biology – Cells, Tissues, and Organs
- Biology – Molecular
- Chemistry – General Inorganic
- Chemistry – Inorganic and Organic
- Chemistry – Organic
- Introductory Communications
- Human Anatomy
- Human Physiology
- Introductory Psychology
- Microbiology

The **R.N.-B.S.-M.S.N./Post-licensure Program** curriculum prepares nurses to work in culturally diverse, community-based nursing and to prepare R.N.'s possessing an Associate Degree and diploma for advanced-practice study. The R.N.-B.S.-M.S.N. Program is offered as a three-year program culminating in a Master of Science in Nursing degree. Students must apply separately for the baccalaureate and master's programs. The baccalaureate program begins during the summer and continues through the fall or winter quarter of the second year. Students accepted to continue for master's study begin the M.S.N. coursework in winter or spring of the second year and complete the master's program at the end of the third year. The following are prerequisite courses for the UCLA School of Nursing R.N.-B.S.-M.S.N. Program:

- Anatomy
- Anthropology
- English (Composition)
- English – Critical Reading and Writing
- Humanities
- Mathematics – Quantitative Reasoning
- Microbiology
- Physics
- Physiology
- Psychology
- Sociology
- US History or Political Science

The following courses may be completed at UCLA or transferred from a community college:

- Biology – Cells, Tissues, and Organs
- Biology – Molecular
- Chemistry – General Inorganic
- Chemistry – Inorganic and Organic
- Chemistry – Organic

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

UC MERCED

New Major:

Anthropology, B.A.

The undergraduate major in Anthropology emphasizes how topics and issues central to the human experience such as migration, gender, power, health, kinship, race and identity are examined and understood through diverse anthropological methodologies. In upper-division courses, students explore particular socio-cultural, archaeological and biological perspectives on such issues in greater depth, and these courses may specifically engage perspectives from two or more sub-fields. Other courses may consider a range of topics within a specific geographical area, while acknowledging certain limitations to the area-studies configuration of knowledge.

New Minors:

Natural Science Education

The Natural Sciences Education (NSED) minor is primarily intended for students interested in teaching careers at the K–12 level. The minor is being developed as part of the Science and Mathematics Initiative (SMI) also known as California Teach (CalTeach) Program. Under the governor’s initiative, CalTeach has been instituted as a UC-wide effort to address the severe shortage of science and mathematics teachers in California’s secondary schools. The program offers courses and academic and career counseling that allow students majoring in science and engineering to explore and prepare for careers in teaching sciences and mathematics in secondary schools. The NSED minor would allow leveraging the SMI program to offer a wider range of UC Merced students an opportunity to explore additional career options, deepen their understanding of science and mathematics, and improve their ability to communicate scientific and mathematical concepts.

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

UC RIVERSIDE

The Bourns College of Engineering (BCOE) accepts completion of IGETC as satisfying the majority of the college’s breadth requirements for transfer students. Some additional breadth coursework (two upper-division courses) may be required after enrollment at Bourns. For more information on BCOE breadth requirements, go to www.engr.ucr.edu/studentaffairs/transfers.shtml.

However, prospective applicants are strongly encouraged to focus on preparatory coursework for their desired major, such as mathematics, science and other technical preparatory coursework, rather than on IGETC completion. Strong technical preparation is essential for success in the admissions process, and subsequently in all coursework at Bourns.

New Majors:

Geoscience Education, B.A. — Students who choose the B.A. degree in Geoscience Education intend to teach earth science and general science at the secondary-school level. Students receive freshman- and sophomore-level training in general geology, training in introductory biology, and freshman-level training in chemistry, calculus and physics. They also take courses in education that are required for state examinations and teacher credentialing in California. The B.A. in Geoscience Education degree is designed for prospective secondary science teachers; it will not lead to a career as a professional geologist. Students who want to have the option to become either a professional geoscientist or to teach earth science in secondary school should pursue both the B.S. in General Geology as well as the teaching credential from the Graduate School of Education.

Mathematics for Secondary School Teachers, B.S. — This program provides more specialized courses for those students pursuing a career in secondary education

New Minors:

Journalism — Offered by the Department of Creative Writing, the minor offers basic examination of the theory, practice and ethics of contemporary journalism, with an emphasis on reporting and editing. Coupled with work on student publications and internships, the minor serves as an entryway to professional writing in news media or to graduate study in journalism.

Global Climate Change — The Global Climate Change option offers earth science training with an emphasis on modern and ancient evidence for global climate change and the effects of such processes on the planet. Links between human activities, organismal evolution, weathering, volcanism, plate tectonics, extraterrestrial events, and the history of the atmosphere and oceans are examined. Ancient earth climate trends are studied as proxies for predicting future climate change. Students in this option receive training in climatology, oceanography, paleoecology, stratigraphy, earth resources and the global carbon cycle.

Name Changes:

B.A. in **Film** changed to **Media and Cultural Studies**.

B.S. in **Information Systems** changed to **Business Informatics**.

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

UC SAN DIEGO

New Major:

Electrical Engineering and Society, B.A., (ECE), Jacobs School of Engineering

Other Important Updates:

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

Jacobs School of Engineering — Effective fall 2008, Computer Science, B.A. and B.S., and Computer Engineering, B.S., through the CSE and ECE departments are no longer impacted. Additionally, effective fall 2011, Mechanical Engineering and Aerospace Engineering through the department of MAE will be impacted for transfer students. Currently, Bioengineering and Bioengineering Biotechnology are impacted for transfer students.

Bioengineering: Premedical major — Effective winter 2009, this major will be discontinued.

For more information: www.ucsd.edu/current-students/academics/majors-minors/undergraduate-majors.html

UC SANTA BARBARA

New Minors:

- Labor Studies
- Teaching English to Speakers of Other Languages
- Science and Mathematics Education

Updates on Majors:

Women's Studies renamed **Feminist Studies** (major and minor)

Biological Science majors (Aquatic Biology, Biochemistry–Molecular Biology, Biological Sciences, Cell and Developmental Biology, Ecology and Evolution, Microbiology, Pharmacology, Physiology and Zoology) have new admission selection criteria (effective with admission to fall 2009):

- Complete a one-year sequence of general chemistry with laboratory, with no individual grade less than C.
- Complete a sequence (two to three terms) of major-applicable general biology with laboratory with no individual grade less than C.
- Attain a cumulative GPA of 2.7 or better in the required courses listed above.
- For students to graduate within two years of transferring, we strongly recommend the completion of one year of organic chemistry with laboratory, one year of general physics with laboratory, and one year of calculus or calculus with statistics. Any of these courses completed with a grade lower than C might not satisfy course prerequisites at UCSB.

For more information: www.admissions.ucsb.edu

UC SANTA CRUZ

New Advising Resources:

We are happy to introduce two new informational resources for counselors and parents.

Counselor Website

UC Santa Cruz has created a new website for counselors to help in advising your students. You can also sign-up for our electronic update system.

The update system includes our quarterly e-newsletter for counselors, **eSlug**, plus periodic updates and news specifically for counselors. The first edition of eSlug, released in March 2009, includes information about the admissions process for this fall, admission statistics, and next steps for both admitted and non-admitted students.

To sign up, go to admissions.ucsc.edu/counselors.

Parent Website

At UC Santa Cruz, we value and welcome the involvement of parents and guardians in the admission process. In recognition of the important role they have played in preparing their students for the transition to university life, we have developed a number of links to admission and campus resources that are designed to assist and inform parents of prospective, admitted and continuing students regarding important next steps.

To learn more visit admissions.ucsc.edu/discover/parents.

Changes in Existing Major:

Electrical Engineering added two new concentrations: Electronics/Optics and Communications, Signals, Systems, and Controls.

New Minors

Sociology added a minor in Global Information and Social Enterprise Studies (GISES).

The **Jack Baskin School of Engineering** added minors in Applied Mathematics, Electrical Engineering, and Information Systems and Technology Management.

Discontinuation of minor:

Music will discontinue its Western Art Music minor as of fall 2009.

Success for Veterans Award Grant:

Since some of your present or future students may be military veterans, we thought we'd pass along the news to you that UC Santa Cruz was one of 20 campuses nationwide

chosen to receive a Success for Veterans Award Grant from the American Council on Education (ACE) and the Wal-Mart Foundation, announced April 22.

UCSC's Services for Transfer and Re-entry Students (STARS) will use the \$100,000 grant to expand its Veterans Education Team Support (VETS) peer advising service and other STARS services for military veterans.

VETS is a program that helps incoming veteran students by providing them with veteran peer mentors, helping them transition into the university community. The program is part of an array of veteran services offered by UCSC, including advising, orientation, mentorship, and logistical help. UCSC recently announced that it would be offering a four-year housing guarantee to military veterans starting fall 2009.

For more information: admissions.ucsc.edu/discover/majors/