

UC DAVIS 2010-11 UPDATE ON MAJORS AND CURRICULUM REPORT

UC Davis course and major agreements have been published for the 2010-11 academic year. Significant changes are summarized below. Please check ASSIST for full details.

UC DAVIS MAJORS

New Majors:

None

Changed Majors:

None

Suspended / Canceled Majors:

None

Majors with Curricular Changes on ASSIST:

Biological Sciences 1A/B/C has been removed from the following majors without additional changes to the major:

Animal Biology, B.S.

Animal Science, B.S.

Animal Science and Management, B.S.

Anthropology, B.S.

Applied Mathematics, B.S. (Biological Sciences 1A/B removed)

Atmospheric Science, B.S. (Biological Sciences 1C removed)

Avian Sciences, B.S.

Biotechnology, B.S.

Clinical Nutrition, B.S.

Computer Science, B.S. (Biological Sciences 1A removed)

Ecological Management and Restoration, B.S.

- Note: Biological Sciences 2A/B/C has been added to the major

Engineering: Biochemical Engineering B.S.

Entomology, B.S.

Environmental Toxicology, B.S.

Food Science, B.S.

Human Development, B.S. (Biological Sciences 1A removed)

Hydrology, B.S. (Biological Sciences 1A/C removed)

International Agricultural Development, B.S. - Natural Sciences

Natural Sciences, B.S.

- Note: Biological Sciences 2A/B/C has been added to the major

Psychology, A.B. (Biological Sciences 1A removed)

Psychology, B.S. - Biology

Psychology, B.S. – Mathematics (Biological Sciences 1A removed)

Viticulture and Enology B.S. (Biological Sciences 1A and 1C removed)

All majors in the College of Biological Sciences have curricular changes

Biochemistry and Molecular Biology; Biological Sciences; Cell Biology; Evolution, Ecology, and Biodiversity; Exercise Biology; Genetics; Microbiology; Neurobiology, Physiology and Behavior; Plant Biology

Students planning A.B. degrees in these majors must meet the selective major requirements for admission in calculus, chemistry and biological sciences as stated in the advisories. See ASSIST for details:

- Biological Sciences 1A/B/C removed
- Mathematics 21C recommended (no longer required when selecting the 21 series)
- Mathematics 16A/B/C accepted only for transfer students admitted prior to fall 2013
- Statistics 13 or 32 removed (B.S. majors only)

Other majors with curricular changes:

Agricultural and Environmental Education, B.S.

- Curriculum is now available; see ASSIST for details

Anthropology, A.B.

- Changes to coursework required for the Sociocultural track; see ASSIST for details

Anthropology, B.S.

- Biological Sciences 1A/B/C removed
- Biological Sciences 2A/B/C added
- Chemistry 118A/B or Chemistry 8A/B is allowed
- Mathematics 17A/B/C or Mathematics 16A/B/C or Mathematics 21A/B/C is allowed

Chemistry, A.B.

- Mathematics 17A/B/C or Mathematics 16A/B/C or Mathematics 21A/B/C is allowed
- Physics 9A/B/C or Physics 7A/B/C is allowed

Chemistry, B.S. - Applied Chemistry: Environmental Chemistry

- Biological Sciences 1A removed
- Biological Sciences 2A added
- Mathematics 17A/B/C or Mathematics 16A/B/C or Mathematics 21A/B/C is allowed
- Physics 9A/B/C or Physics 7A/B/C is allowed

Chemistry, B.S. - Applied Chemistry: Forensic Chemistry

- Biological Sciences 1A removed
- Biological Sciences 2A added
- Mathematics 17A/B/C or Mathematics 16A/B/C or Mathematics 21A/B/C is allowed

Chemistry, B.S. - Applied Chemistry: Pharmaceutical Chemistry

- Biological Sciences 1A removed
- Biological Sciences 1B or 1C removed
- Biological Sciences 2A added
- Biological Sciences 2B or 2C added
- Mathematics 17A/B/C or Mathematics 16A/B/C or Mathematics 21A/B/C is allowed

- Physics 9A/B/C or Physics 7/A/B/C is allowed
- Comparative Literature, A.B.
- Course options changed; see ASSIST for details
- Design, A.B.
- Emphases removed; see ASSIST for details
- Engineering: Biological Systems Engineering B.S.
- Biological Sciences 1A/B/C removed
 - Only University Writing Program 1 can be used to satisfy the lower division composition requirement
- Engineering: Biomedical Engineering B.S.
- Biological Sciences 1A/B/C removed
 - Chemistry 128A/B removed
 - Chemistry 129A removed
- Engineering: Computer, B.S.
- Engineering 6 removed
- Environmental Horticulture and Urban Forestry, B.S.
- Biological Sciences 1A/B/C removed
 - Environmental Science & Policy (ENV S&P) 30 or ENV S&P 1 or ENV S&P 10 allowed
- Environmental Policy Analysis and Planning, B.S.
- Biological Sciences 1A and 1B removed
 - Communication 1 or Communication 3 or Dramatic Art 10 added
- Environmental Science and Management, B.S.
- Biological Sciences 1A/B/C removed
 - Communication 1 or Communication 3 or Dramatic Art 10 added
 - Geology 50 or Geology 1 allowed
- International Agricultural Development, B.S. - Social Sciences
- Community and Regional Development 17 removed
- Landscape Architecture, B.S.
- Biological Sciences 1A/C removed
 - Communication 1 added
- Medieval and Early Modern Studies, A.B.
- English 10A added as an option among several courses
- Nutrition Science, B.S.
- Biological Sciences 1A/B/C removed
 - Electives added for the community nutrition option
 - Agricultural and Resource Economics 15
 - Community and Regional Development 2
 - International Agricultural Development 10
- Philosophy, A.B.
- Philosophy 17 added under the new option area Philosophy of Language
- Plant Sciences, B.S.
- Biological Sciences 1A/B/C removed
 - Crop Production Option courses added
 - Economics 1A
 - Agricultural and Resource Economics 15
 - Recommended courses removed

- Economics 1A and 1B
 - Agricultural and Resource Economics 1
- Political Science, A.B. - Public Service
- Course groups changed; see ASSIST for details
- Religious Studies, A.B.
- Course groups changed; see ASSIST for details
- Sociology, A.B. - Law and Society
- Sociology 1 required (separate from the group option)
- Textiles and Clothing, B.S. - Marketing/Economics
- Restricted electives added:
 - Agricultural and Resource Economics 18
 - Design 77
 - Mathematics 16C
- Textiles and Clothing, B.S. - Textile Science
- Restricted electives added:
 - Agricultural and Resource Economics 18
 - Design 77
 - Management 11A/B
 - Mathematics 16B/C
 - Sociology 25
- Wildlife, Fish and Conservation Biology, B.S.
- Biological Sciences 1A/B/C removed
 - Communication 1 added
 - University Writing Program 1 added
 - One course from the following group added:
 - Wildlife, Fish and Conservation Biology 10
 - Wildlife, Fish and Conservation Biology 11
 - Wildlife, Fish and Conservation Biology 50

UC DAVIS COURSES

Courses Added:

ENGINEERING: MAT SCI & ENG 2	Diversity of Materials
GEOLOGY 18	Energy and Environment
GEOLOGY 28	Astrobiology
HUMANITIES 2A	Global Humanities Forum
HUMANITIES 2B	American Humanities Forum
PHILOSOPHY 16	Phil Foundations of American Democracy
PLANT SCIENCES 6	Flower Power
PORTUGUESE 31	Portuguese for Spanish Speakers
UNIVERSITY WRITING PROGRAM 11	Popular Science and Technology Writing

Courses Terminated:

ANTHROPOLOGY 15V	Human Life Cycle (Web)
BIOLOGICAL SCIENCES 1A	Introductory Biology

BIOLOGICAL SCIENCES 1B	Introductory Biology
BIOLOGICAL SCIENCES 1C	Introductory Biology
COMMUNITY & REGIONAL DEVELOPMENT 17	Population & Community
HUMANITIES 5	Law in Literature and Film
HUMANITIES 6	Wagner and Star Wars
HUMANITIES 11	Shakespeare in Performance
HUMANITIES 12	History of the Book
HUMANITIES 40	Intro to Computing-Humanities

Courses Changed:**GE added:**

NEMATOLOGY 10V	General Biology (GE:TB-SE;W) (4)
NUTRITION 11	Current Topics in Nutrition (GE: TB-SE;W) (2)

GE removed:

ENGLISH 10A
ENGLISH 10B
ENGLISH 10C

Course name changes:

COMPARATIVE LITERATURE 1	New: Major Books—Ancient World
COMPARATIVE LITERATURE 2	New: Major Books—Middle Ages to Enlightenment
COMPARATIVE LITERATURE 3	New: Major Books—The Modern Crisis

Course unit changes:

ENGINEERING-BIOMEDICAL 1	
• From: 1 unit	To: 2 units
THEATRE AND ARTS (DRAMART) 14	
• From: 2 units	To: 4 units (<i>retroactive to 2000-01</i>)

Course Department Changes:

Arabic	
• From: Middle East/South Asia Studies	To: Classics Department
Hebrew	
• From: Religious Studies Department	To: Classics Department
Hindi	
• From: Middle East/South Asia Studies	To: Classics Department

Course Prefix Changes to ASSIST:

Film	
• From: FLS	To: FILM

UC DAVIS MINORS

New Minors:

Energy Science & Technology (Biological and Agricultural Engineering)

Energy Policy (College of Engineering)

Optical Science & Engineering (College of Engineering)

Canceled Minors:

Agricultural Entomology and Bee Biology (Entomology)

Environmental Biology and Management (College of Agricultural and Environmental Sciences)

IMPORTANT UPDATES, HELPFUL TIPS AND REMINDERS

College of Agricultural and Environmental Sciences, non-selective majors requiring chemistry and/or organic chemistry

As a reminder, last year special advising notes were added to ASSIST to strongly encourage students to complete the chemistry and/or organic chemistry series prior to enrolling at UC Davis as it will help decrease time to degree. See ASSIST for details for these non-selective majors in the College of Agricultural and Environmental Sciences, especially Animal Science, Animal Science and Management, Clinical Nutrition and Nutrition.

Chinese languages, requests for course-to-course articulation

When requesting articulation with UC Davis Chinese language courses, our faculty requests the following in addition to course outlines:

- Course syllabus providing course objectives, textbooks, primary teaching methodologies, assessment methods and daily schedule
- A sample lesson plan
- The final examination paper, including both written and oral test questions

English Major; English 10ABC, requests or course-to-course articulation

We encourage you to submit requests for articulation with the UC Davis English 10ABC series, providing course outlines that currently articulate with our English 46ABC and English 30AB series, along with other courses you feel may be comparable with the English 10ABC series. Please submit outlines to Cindy Bevc in PDF, WORD or Web format.

General Education

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.

History, requests for course-to-course articulation

When requesting articulation to UC Davis history courses, please include information regarding the required writing assignments for your course; our faculty wants to know particularly the assignment type (formal essay, in-class response, research paper) and the number of words required. Our History Department requests documentation substantiating the need for one out-of-class essay with a 600-word minimum. Submission of syllabi and/or class assignment sheets in addition to course outlines is highly encouraged. Please submit outlines to Cindy Bevc in PDF, WORD or Web format.

Mathematics syllabi

Syllabi for UC Davis Mathematics courses are available online at <http://www.math.ucdavis.edu/courses/syllabi>. We encourage you to reference posted syllabi for more detail regarding our courses.

Mathematics 16A/B/C vs. 17A/B/C (Calculus), change in the College of Biological Sciences

Beginning fall 2013, the College of Biological Sciences will no longer accept Mathematics 16A/B/C to fulfill the calculus requirement for its majors. Students will be instructed to complete Mathematics 17A/B/C or Mathematics 21A/B. The primary differences between Mathematics 17 and Mathematics 16 are that (1) the applications/examples presented in Mathematics 17 are more focused on biological issues, and (2) a wider variety of topics is covered in the Mathematics 17 series. Besides reviewing pre-calculus and covering differential and integral calculus, Mathematics 17 covers linear algebra and analytical geometry, as well as systems of differential equations. Furthermore, Mathematics 17 covers discrete probability more thoroughly than Mathematics 16. Because of this extra material, Mathematics 17 proceeds at a faster pace than Mathematics 16, and therefore there is a need for a discussion section. You are encouraged to view course syllabi available at <http://www.math.ucdavis.edu/courses/syllabi>.

Mathematics 22A (Linear Algebra) vs. Mathematics 67 (Advanced Linear Algebra)

For more information on the differences between UC Davis Mathematics 22A and 67, please reference <http://www.math.ucdavis.edu/courses/syllabi> to view posted syllabi for each course.

Statistics 13; 13V

As possible, please provide syllabi with course outlines when requesting articulation. Among a variety of elements, the UC Davis Statistics Department reviews for:

- basic statistical concepts, including population, sample, variability and sources, parameter, experiment, replication and statistical reasoning
- descriptive statistics including numerical and graphical methods
- basic probability concepts, including sample space, event, probability, addition and multiplication rules, and counting methods
- probability models, including distributions, expectation and variance, and interpretations
- sampling and sampling distributions
- introduction to statistical inference for large/small samples, including point and interval estimation for means and proportions, significance testing, regression and correlation