

UC DAVIS 2013-14 UPDATE ON MAJORS AND CURRICULUM REPORT

UC Davis course and major agreements have been published for the 2013-14 academic year. Significant changes are summarized below. Please check ASSIST for full details.

A. CHANGES TO MAJORS

New or Reopened Majors:

Exercise Biology has been removed from suspension and is open to F2014 applicants.

Cancelled Majors:

Chemical Engineering/Materials Science and Engineering

Mechanical Engineering/Materials Science and Engineering

Curriculum Changes - Selective Majors:

College of Biological Sciences

Biological Sciences, A.B.: MATH 21A/21B – added to preparatory subject matter. Please carefully review the special note for transfer students considering an A.B. degree in this major.

College of Engineering

College of Engineering applicants to fall 2014 should view ASSIST articulation agreements by major effective during the 2012-13 academic year. Admission selection for fall 2014 will be based upon ALL courses published as REQUIRED FOR ADMISSION on *www.assist.org* for the major effective during the 2012-13 academic year with exceptions noted below.

Biochemical Engineering: ENGIN 6 or ENG CS 30 – no longer required for admission.

Biomedical Engineering: COMUNCN 1– no longer required for admission. BIOLSCI 2B, removed from the 2012-13 agreement – no longer a recommended course for F2014 applicants.

Chemical Engineering: ENGIN 6 OR ENG CS 30 - no longer required for admission. BIOLSCI 2A, included in the 2012-13 agreement - now a selection requirement for F2014 applicants.

Civil Engineering: ENG CIV 17 – no longer required for graduation. ENGIN 17 - no longer required for admission. PHYSICS 9D - no longer recommended.

Materials Science & Engineering: ENGIN 6 or ENG CS 30 no longer required for admission.

College of Letters and Science

Communication, A.B.: COMUNCN 5 – added to preparatory subject matter options; not required for admission. ENG CS 15 or PHILOS 12. - added to preparatory subject matter; required for admission beginning with F2015 applicants.

Design, A.B.: now a selective major for F2014 applicants; required curriculum and selective major advisory added. Added to ZZZ screening criteria for selective majors listing.

Curriculum Changes - Non-Selective Majors:

Applied Mathematics, B.S.: MATH 22AL or equivalent basic knowledge of MATLAB – added. Recommended language preparation note added.

Art Studio, A.B.: Options change from a selection of five and three courses from two groups to a selection of four and two courses chosen from two groups. ART 4 - removed from options. ART 26 – removed from options - course cancelled.

Environmental Policy Analysis and Planning, B.S.: ATM SCI 60 and W&F BIO 11 – added among options. PHYSICS 1B – added. PHYSICS 7A - removed; CHEM 2B – removed.

Managerial Economics, B.S.: Advisory added: All lower-division Economics, Mathematics, and Statistics courses must all be taken for a letter grade.

Mathematical and Scientific Computation, B.S.: MATH 22AL or equivalent basic knowledge of MATLAB – added. Recommended language preparation note added.

Mathematics, A.B.: MATLAB requirement changed to: ENG CS 30 and MATH 22AL (or equivalent knowledge of MATLAB), OR ENGIN 6.

Mathematics, B.S.: MATLAB requirement changed to: ENG CS 30 and MATH 22AL (or equivalent knowledge of MATLAB), OR ENGIN 6. Recommended language preparation note added.

Pharmaceutical Chemistry, B.S.: Corrected major preparation to show STATIST 13 OR 32; previously did not display the “or.”

Sociology, A.B.: SOCIOL 25 added to options.

Sociology, A.B. (Law & Society): POLSCI 1, 3, 4, or 7 - added among options. PHILOS 24 - added among options.

Transfer Admission Requirements Fall 2015 Note - All Majors:

The following advisory was added to all majors: Beginning fall 2015, in order to receive priority consideration, it is strongly recommended that transfer students complete UC transfer admission requirements in English and mathematics by the end of fall term, one year prior to enrollment.

B. CHANGES TO COURSES

Courses Added/New:

ARTHI 1DY	Arts of Asia (5). Not available on ASSIST. We articulate with ARTHI 1D.
CINE&TS 12	Media Computation. Same as ENG CS 12 (4) GE3: TB-AH, TB-SE, CL-VL
CINE&TS 20	Filmmaking Foundations (5). GE3: TB-AH, CL-VL
DESIGN 31	Photography for Designers (4). GE3: TB-AH, CL-VL
DESIGN 40C	Design for Aesthetics and Experience (4). GE3: TB-AH, CL-DD, CL-WE
ENG CS 12	Media Computation. Same as CINE&TS 12 (4). GE3: TB-AH, TB-SE, CL-VL
ENGIN 20	Space: Exploration & Environment (4). GE3: TB-SE, CL-QL, CL-SL
PHILOS 7	Philosophical Perspectives on Sexuality (3). GE3: TB-AH
REL STD 15Y	Reading War/Fighting War (4). Not available for articulation.
UWRITING 10	Introduction to Writing Studies (4). GE3: TB-AH, CL-WE

GE Key

TB - Topical Breadth

AH – Arts and Humanities
SE – Science and Engineering
SS – Social Sciences

CL - Core Literacies

DD – Domestic Diversity
OL - Oral Literacy
QL – Quantitative Literacy
SL – Scientific Literacy
VL – Visual Literacy
WC – World Cultures
WE – Writing Experience

Courses Cancelled:

ARTHI 1DV	Arts of Asia, Virtual
ART 26	Photospectacle

Course Title Changed:

DESIGN 40A*	From: History of Design: Ancient through Industrial Revolution To: Energy, Materials, and Design Over Time
DESIGN 40B*	From: History of Modern Design To: Ideologies of Design

DESIGN 50*	From: Model Making To: Introduction to Three-Dimensional Design
ENG CS 30	From: Introduction to Programming and Problem Solving To: Programming and Problem Solving
REL STD 1A	From: Topics in Comparative Religion To: Pilgrimage
REL STD 1B	From: Topics in Comparative Religion To: Death and Afterlife
REL STD 1C	From: Topics in Comparative Religion To: Sacrifice
REL STD 1D	From: Topics in Comparative Religion To: Conversion
REL STD 1E	From: Topics in Comparative Religion To: Fundamentalism
WOM STD 60*	From: Introduction to Feminist Interpretations of Western Thought To: Feminist Critiques of Western Thought Advanced material has been removed from course content*

*includes significant changes to course content

Unit and Other Course Changes:

BIMEDEN 20	Unit change from 4 units lecture to 3 units lecture, 1 hour discussion. Prerequisites updated. No change to ASSIST.
ENG CS 15	Changes to catalog description, course content, credit restrictions. No change to ASSIST.
ENGIN 6	Prerequisites updated (catalog). No change to ASSIST.
ENGIN 20	Space: Explor&Envrmt, added to ASSIST; see addition of GE.
ENGIN 45	Prerequisites updated (catalog). No change to ASSIST.
ENG MEC 50	Prerequisites updated (catalog). No change to ASSIST.
ENGLISH 5F	Description updated (catalog). May be repeated one time for credit. No change to ASSIST.

ENGLISH 5P	Description updated (catalog). May be repeated one time for credit. No change to ASSIST.
ENGLISH 43	Description updated (catalog). May be repeated two times for credit when topic differs. No change to ASSIST.
ENGLISH 44	Description updated (catalog). May be repeated two times for credit when topic differs. No change to ASSIST
ENGLISH 45	Description updated (catalog). May be repeated two times for credit when topic differs.
EVOL&EC 10	Unit change from 4 to 3 units (discussion sections dropped).
EVOL&EC 11	Removed from Web ASSIST. Not available for articulation.
HISTORY 11	Description updated (catalog). More focus on the modern period. No change to ASSIST.

Course Prefix Added:

CINE&TS	Cinema and Technocultural Studies
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General Education 3 (GE3) Changes:

ART 24	CL-WE added
DESIGN 1	CL-VL added; CL-WE removed
DESIGN 40A	CL-DD added
DESIGN 60	TB-AH and CL-VL added
DESIGN 70	TB-AH and CL-VL added
DRAMART 1	CL-VL added
DRAMART 5	TB-AH, CL-DD, CL-WC, CL-OL, and CL-VL added
DRAMART 10	CL-OL and CL-VL added
DRAMART 20	CL-VL, CL-WC and CL-WE added
DRAMART 24	TB-AH and CL-VL added
ENGIN 20	TB-SE, CL-QL and CL-SL added
FRENCH 1	TB-AH added
FRENCH 2	TB-AH added

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FRENCH 3	TB-AH added
ITALIAN 1	TB-AH added
ITALIAN 2	TB-AH added
ITALIAN 3	TB-AH added
LND ARC 60	TB-AH, TB-SE, CL-OL and CL-VL added
MGMT 11A	TB-SS added
MGMT 11B	TB-SS added
REL STD 70	TB-AH, CL-WC and CL-WE added

C. CHANGES TO DEPARTMENTS

The **Landscape Architecture Program** merged with the **Department of Human and Community Development** to form the new **Department of Human Ecology**. ASSIST department names Landscape Architecture and Community and Regional Development with their prefixes (LND ARC and CM&RGDE) remain unchanged for 2013-14.

Departments of **Entomology** and **Nematology** merged to form the new **Department of Entomology and Nematology**. ASSIST department names and prefixes (ENTOM and NEMATOL) remain unchanged for 2013-14.

The **Department of Microbiology** has changed its name to the **Department of Microbiology and Molecular Genetics**.

D. MINORS

New Minor:

Coaching Principles & Methods, College of Letters and Science

E. IMPORTANT UPDATES, HELPFUL TIPS AND REMINDERS

California Community College course reductions affecting fall 2014 selective major applicants to UC Davis

If your campus has not offered courses this academic year or must drop, cancel or severely limit courses during winter or spring terms that are comparable to UC Davis courses required for selective majors, please use our online reporting system at <http://admissions.ucdavis.edu/tag/ccCourseReductions/> to notify us of these changes. Please work with your colleagues to have one person submit course availability information for your campus.

Please submit any changes by February 1, 2014 so that we can take these into consideration before making admission decisions for fall 2014.

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

The College of Agricultural and Environmental Sciences strongly encourages students to complete the chemistry and/or organic chemistry series prior to enrolling at UC Davis as it will help decrease time to degree for majors with these graduation requirements. See ASSIST for details regarding these non-selective majors in the College of Agricultural and Environmental Sciences, especially Animal Science, Animal Science and Management, Clinical Nutrition and Nutrition.

Design Department, requests for course-to-course articulation

The Design Department has made substantive changes to their curriculum. Following are elements that must be demonstrated in course outlines deemed comparable.

DES 14: Design Drawing

- ideation, drawing a wide range of objects from observation
- basic skills in objective observation and representation including line, shape, tone, volume, and space
- understanding of rendering multi view and perspective drawings

DES 15: Color and Form

- line, form, color
- color mixing and interaction of color
- expressive color pattern
- create explorations with a variety of materials and media

DES 16: Graphics and the Computer

- fundamentals of Adobe Photoshop and Illustrator
- basic use of typography

DES 21: Drafting and Perspective

- drawing plans, sections, and elevations- one and two point perspectives
- isometric and/or axonometric views of buildings

DES 31: Photography for Designers

- Digital imaging for designers with an emphasis on digital photography, black and white processes, and imaging techniques; Critical analysis of photographs, and the role of photography in society, by combining theoretical perspectives with practical applications. Explore use and meaning of the single photographic image through collage techniques, grids, triptychs and image sequencing. This class will explore photographic processes for the documentation of creative work and as the basis of visual communication.

DES 77: Intro to Fashion Design

- flat pattern development and construction

English Major; English 10A/B/C, requests for course-to-course articulation

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

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 format.

Mathematics syllabi

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

Mathematics 16A/B/C vs. 17A/B/C (Calculus)

The primary differences between the Mathematics 17 and Mathematics 16 series 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

UC Davis faculty reviews a variety of elements to determine comparability of community college courses with our statistics courses and some among them follow. If your course outline of record does not address these elements, additional documentation may be requested.

- 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