

## UC DAVIS 2012-13 UPDATE ON MAJORS AND CURRICULUM REPORT

UC Davis course and major agreements have been published for the 2012-13 academic year, for all majors including those in the College of Engineering. Significant changes are summarized below. Please check ASSIST for full details.

### UC DAVIS MAJORS

#### **New Majors:**

##### **Chemical Physics**

Chemical Physics provides students with an in-depth understanding of the fundamentals of chemistry, focusing on those areas that are at the interface of chemistry and physics. The emphasis of Applied Chemistry: Chemical Physics will no longer be offered within the Chemistry major. For more information:

[http://www.chem.ucdavis.edu/undergraduate/bsmajor\\_cp.html](http://www.chem.ucdavis.edu/undergraduate/bsmajor_cp.html)

##### **Pharmaceutical Chemistry**

Pharmaceutical Chemistry provides students with an in-depth understanding of the experimental and computational processes and societal issues that surround the discovery and design of modern pharmaceuticals. The emphasis of Applied Chemistry: Pharmaceutical Chemistry will no longer be offered within the Chemistry major. For more information:

[http://www.chem.ucdavis.edu/undergraduate/bsmajor\\_pc.html](http://www.chem.ucdavis.edu/undergraduate/bsmajor_pc.html).

#### **Selective Majors: Curricular Changes and Advisory Updates**

##### **Biomedical Engineering, B.S.**

Biological Sciences 2B is no longer a recommended course for Biomedical Engineering majors.

##### **Biotechnology, B.S.**

Biotechnology continues to require that applicants complete courses comparable to certain UC Davis courses with a GPA of at least 2.50 for each of three course groups. Biotechnology now requires (rather than recommends) that applicants have already achieved the minimum required GPAs in course(s) from the groups that have been completed at the time of application and through the transfer academic update filing period: Mathematics 16A/B or 17A/B or 21A/B, Chemistry 2A/B/C, Biological Sciences 2A or 2B or 2C.

Biotechnology continues to recommend that students complete organic chemistry courses prior to enrollment with a strong GPA; the recommendation to achieve a 2.50 GPA for the group of organic chemistry courses has been removed to avoid confusion with selection requirements.

##### **Chemical Engineering, B.S.**

Biological Sciences 2A is now required for Chemical Engineering majors.

**College of Biological Sciences, all majors**

All College of Biological Sciences majors recommend that students complete organic chemistry courses prior to enrollment with a strong GPA; the recommendation to achieve a 2.50 GPA for the group of organic chemistry courses has been removed to avoid confusion with selection requirements.

Beginning fall 2013, applicants to the College of Biological Sciences must complete courses comparable to UC Davis Math 17A/B/C or 21A/B; Math 16A/B/C is no longer allowed to satisfy selection requirements for fall 2013 and future applicants to the College of Biological Sciences.

Beginning fall 2015, applicants to the College of Biological Sciences will be required to complete the entire Biological Sciences 2A/B/C series by the end of spring term prior to fall enrollment and will be required to complete this series with a 2.50 GPA or higher.

**College of Engineering, all majors**

Fall 2013 applicants to the College of Engineering must complete selective major requirements published on ASSIST under the articulation agreement by major effective during the 2011-12 academic year.

**Design, A.B.**

Effective fall 2014, Design will be included among selective majors in the College of Letters and Science. Transfer students will be required to complete courses comparable to the following UC Davis courses with a GPA of at least 3.00 for the course group. It is recommended that candidates have a cumulative GPA of at least 3.00 for the group of courses below that have been completed at the time of application and through the transfer academic update filing period. Required courses must be completed by the end of spring term prior to fall enrollment. Courses must be taken for a letter grade with no grade less than C:

DESIGN 1

DESIGN 15

DESIGN 40A or 40B

DESIGN 50

UWRITING 17 (proposed) OR 18 OR 19

**Psychology, A.B. and B.S.**

Applicants to Psychology are no longer required to complete one course in Sociology or Cultural Anthropology.

**Viticulture and Enology, B.S.**

Viticulture and Enology continues to require that applicants complete courses comparable to certain UC Davis courses with a GPA of at least 3.00 for the group. The major now requires (rather than recommends) that applicants have a cumulative GPA of at least 3.00 for the group of courses following that have been completed at the time of application and through the transfer academic update filing period: General Chemistry 2A/B/C, Organic Chemistry 8A, Mathematics 16A, Physics 1A/B or 7A, Biological Sciences 2A.

## **Non-Selective Majors: Curricular Changes and Advisory Updates**

### **Asian American Studies (Humanities and Social Sciences emphases), A.B.**

- N A STD 12 added among the listing from which to choose at least two courses

### **Chinese, A.B.**

- Placement examination advisory added

### **Classical Civilization (Classical & Mediterranean), A.B.**

- CLASSIC 25 added among the listing from which to choose one additional course

### **Comparative Literature, A.B.**

- COMPLIT 24 added among the listing of from which to choose two courses

### **Design, A.B.**

- UWRITING 18 or UWRITING 19 added

### **Dramatic Art (Dance and Theatre emphases), A.B.**

- Changes made to the special advising notes regarding participation in certain areas

### **Environmental Toxicology, B.S.**

- MATH 16A/B removed
- MATH 17A/B/C added
- MATH 21C added
- PHYSICS 1A/B removed

### **Japanese, A.B.**

- Placement examination advisory added

### **Medieval and Early Modern Studies, A.B.**

- ARTHI 1E and HUMAN 1 added among the options from which to choose three courses

### **Religious Studies, A.B.**

- REL STD 11, 12, 69 added among the options from which to choose four courses

### **Sustainable Agriculture and Food Systems, B.S.**

- COMUNCN 1 added

### **Textiles and Clothing (Textile Science), B.S.**

- CHEM 2C added among the restricted electives

## **Suspended / Canceled Majors:**

### **Computational Applied Science and Engineering**

Discontinued for new applicants effective the 2012-13 application cycle. Applicants interested in alternative studies in engineering are encouraged to call the College of Engineering at (530) 752-1979.

### **Electronic Materials Engineering , B.S.**

Discontinued fall 2012 for continuing students and for new applicants effective the 2013-14 application cycle. Applicants interested in alternate studies in engineering are encouraged to call the College of Engineering at (530)752-1979.

### **Exercise Biology, A.B. and B.S.**

Suspended for a minimum period of one year. Students with an interest in the A.B. or B.S. degrees for this major are encouraged to consider majoring in Neurobiology, Physiology and

Behavior. Contact your counselor or the UC Davis College of Biological Sciences Office at (530)752-0410.

### **Optical Science and Engineering, B.S.**

Discontinued fall 2012 for continuing students and for new applicants effective the 2013-14 application cycle. Applicants interested in alternate studies in engineering are encouraged to call the College of Engineering at (530)752-1979.

## **UC DAVIS DEPARTMENTS**

The **Department of Spanish and Classics** is now two distinct units: the **Department of Spanish and Portuguese** and the Interdepartmental Program in **Classics**. Under the department “Classics” you will find courses ARABIC, CLASSIC, GREEK, HEBREW, HIN-URD, LATIN. Under the department “Spanish and Portuguese” you will now find courses PORTUG and SPANISH.

## **UC DAVIS COURSES**

### **Courses Added:**

COMUNCN 5	Global English Comm (4) Same as: LINGUIS 5
COMPLIT 24	Animals in Literature (4)
FILM ST 45	Vampires (4) Same as: GERMAN 45
GERMAN 10	German Fairy Tales (4)
GERMAN 45	Vampires (4) Same as: FILM ST 45
LINGUIS 5	Global English Comm (4) Same as: COMUNCN 5
REL STD 11	Ethical Eating (4)
REL STD 12	Emergence Abrahamic Religions (4)
REL STD 69	Intro Hindu Mythology (4)
SCI&SOC 13	Disease and Society (3)

### **Courses Terminated:**

ENV S&P 30G	The Global Ecosystem: Laboratory/Discussion (winter 2012)
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### **Courses Changed:**

#### **General Education (GE) changes:**

##### LND ARC 1:

- no longer has GE Core Literacies (CL) for Oral Literacy (OL), Quantitative Literacy (QL), or Scientific Literacy (SL).

##### LND ARC 30:

- no longer has GE Core Literacies (CL) for World Cultures (WC).

## NA STD 33:

- added GE Topical Breadth (TB) for Arts and Humanities (AH), Social Sciences (SS); added GE Core Literacies (CL) for American Cultures, Governance, and History (ACGH), Domestic Diversity (DD), Oral Literacy (OL), Visual Literacy (VL), and Writing Experience (WE).

**Course title changes:**

## LND ARC 1

- From: Landscape Meaning (4)
- To: Introduction to Environmental Design (4)

## LND ARC 21

- From: Landscape Drafting and Visualization (4)
- To: Environmental Design Visualization (5) (*short name = Design Visualization*)

## LND ARC 30

- From: History of Landscape Architecture (4)
- To: History of Environmental Design (4)

## LND ARC 60

- From: Technology I: Grading and Drainage (4)
- To: Landform and Grading Studio (6)

## LND ARC 70

- From: Basic Landscape Design Studio (4)
- To: Introduction to Spacemaking (5)

## N A STD 33

- From: Native American Art Workshop (4)
- To: Native American Art in the U.S. (4)

**Course unit changes:**

ENV TOX 20	Units changed from 4 to 3
LND ARC 21	Units changed from 4 to 5
LND ARC 60	Units changed from 4 to 6
LND ARC 70	Units changed from 4 to 5
MST 20A	Units changed from 4 to 5
MST 20B	Units changed from 4 to 5
SOCIOL 46B	Units changed from 4 to 5

**Course footnote additions:**

CHINESE 1, 1BL, 1CN, 2, 2BL, 2CN, 3, 3CN, 4, 5, 6,

Transfer students must take a UC Davis placement exam in Chinese language before enrolling in UC Davis Chinese language courses; duplication of coursework may result.

JPNESE 1, 2, 3, 4, 5, 6,

Transfer students must take a UC Davis placement exam in Japanese language before enrolling in UC Davis Japanese language courses; duplication of credit may result.

## **Course Prefix Changes to ASSIST:**

The following prefixes were modified in ASSIST Curriculum Update for 2012-13, in order to conform to the BANNER prefixes used by the University Registrar:

<i>Previous</i>	<i>Amended</i>
AGR ECO	AGRESEC
ENG ECM	ENG CMS
ENV S&M	ENVSC&M
FILM	FILM ST
HINDI	HIN/URD
M&SEASIA	MID EAST
NEMAT	NEMATOR
PLT SCI	PL SCI
TCULSTD	TCULST
UWP	UWRITING

## **UC DAVIS MINORS**

### **New Minors:**

Computational Biology, College of Engineering  
Materials Science, College of Engineering

### **Changed Minors:**

Expository Writing has changed its name to Professional Writing

### **Canceled Minors:**

Optical Science and Engineering is discontinued and not accepting new applicants

## **ADVANCED PLACEMENT EXAMS:**

### **AP Studio Art**

Effective with the May 2012 AP Studio Art examination, scores of 5 or 4 on the Drawing Portfolio will be awarded course equivalency with UC Davis Art Studio 2; a score of 3 on the Drawing Portfolio will not be awarded UC Davis course credit. A score of 5, 4, or 3 on the 2-D Design Portfolio and 3-D Design Portfolio examinations will not be awarded UC Davis course credit. Students will continue to receive a maximum of 8 UC-transferable units for all three Studio Art examinations. AP and IB examination credit policies are detailed in the UC Davis 2012-14 General Catalog pages 36-41, viewable online at <http://registrar.ucdavis.edu/UCDWebCatalog/PDF/02GenCatUgradAdmiss.pdf>

## **IMPORTANT UPDATES, HELPFUL TIPS AND REMINDERS**

### **California Community College course reductions affecting fall 2013 selective major applicants to UC Davis**

If your campus 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, 2013 so that we can take these into consideration before making admission decisions for fall 2013.

### **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.

### **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.

### **EVOL & EC 11**

Until further notice articulation requests are suspended; though this course appears in our curriculum, it is not offered and faculty are not available to provide consideration.

### **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**

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)**

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.

**Second Baccalaureate Degrees**

After fall 2012, the College of Agricultural and Environmental Sciences no longer considers second baccalaureate degree applicants.

**Statistics 13; 13V**

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