Undergraduate Education | Undergraduate Education

UC Davis offers the Bachelor of Arts (A.B.) and Bachelor of Science (B.S.) degrees in over 100 major programs, as well as over 110 minors in a variety of disciplines; see Degrees Offered by UC Davis. For complete program information; see Colleges of:

- Agricultural & Environmental Sciences
- Biological Sciences
- Engineering
- Letters & Science

Bachelor's Degree Requirements

Students must satisfy four groups of requirements before they can become eligible for candidacy for the bachelor's degree:

- University Requirements: applies to all colleges.
- General Education Requirements: applies to all colleges.
- College Requirements: may be stricter than University Requirements for the same obligation.
- Major requirements as listed in Departments, Programs, & Degrees.

Students are responsible for seeing that all of their degree requirements are fulfilled.

University Requirements

To earn a Bachelor's Degree, all students must fulfill the following University of California requirements:

- Entry Level Writing
- American History & Institutions
- Units
- Residence
- Scholarship
- General Education
- College Requirements; see tabs above for:
  - Agricultural & Environmental Sciences
  - Biological Sciences
  - Engineering
  - Letters & Science
- Major/Degree; course requirements for each major/degree are listed in Departments, Programs, & Degrees.

Entry Level Writing Requirement

Every undergraduate student at UC Davis must demonstrate college-level proficiency in writing by satisfying the Entry Level Writing Requirement (ELWR). Satisfaction of the ELWR is a prerequisite to undergraduate writing courses that fulfill the English Composition Requirement.

Students who do not satisfy the Entry Level Writing Requirement by the end of the third quarter of enrollment* will be disenrolled from the University per UC Davis Senate Regulation 521.

*UC Davis students whose native or primary school language is not English will take the English Language Placement Exam (ELPE) to determine which writing course to take first. The English Language Placement Exam (ELPE), which may be taken only once, will be delivered via Canvas and taken remotely during one of several testing periods during the summer before the first quarter. Students whose ELPE results require them to take one or more UWP ESL courses will have the standard three quarters to meet the Entry Level Writing Requirement (ELWR) plus the number of quarters they are held for UWP English intensive coursework (UWP 021-022). The ELWR timeline begins with the first quarter of enrollment at UC Davis and continues each quarter. Students who do not satisfy the ELWR within the time limit will be disenrolled from the University per UC Davis Senate Regulation 521.
Fulfilling ELWR Before Entering UC Davis

Students can fulfill the Entry Level Writing Requirement (ELWR) before they begin at UC Davis with tests and coursework including:

SAT Scores

- 680 or better on the College Board SAT Reasoning Test, Writing (last administration January 2016); or
- 680 or better on the SAT, Evidenced-Based Reading and Writing** (beginning with Fall 2018 admits on a pilot basis); or

*UC is accepting a score of 680 or better on the SAT, Evidenced-Based Reading and Writing to satisfy the Entry Level Writing Requirement on a pilot basis, beginning with new students entering UC in Fall 2018. The pilot will remain in effect until a new policy is adopted by the Academic Senate.

AP (Advanced Placement) Scores

- 3 or above on either Advanced Placement Examination in English; or

ACT Scores

- 30 or better on the ACT, English Language Arts; or
- 30 or better on the ACT, Combined English/Writing (last administered June 2015); or

IB (International Baccalaureate) Scores

- 5 or above on an International Baccalaureate Higher Level English A: Literature exam (formerly known as Higher Level English A1 exam); or
- 6 or above on the International Baccalaureate Standard Level English A: Literature exam (formerly known as Standard Level English A1 exam); or
- 5 or above on an International Baccalaureate Higher Level English A: Language and Literature exam; or
- 6 or above on an International Baccalaureate Standard Level English A: Language and Literature exam; or

Analytical Writing Placement Exam

Passing the Analytical Writing Placement Examination (AWPE); or

Coursework

Earning a grade of C or higher in an acceptable 3 semester-unit or 4 quarter-unit college level composition course.

California High School Students

Every May, the University of California's Office of the President (UCOP) offers a writing placement exam for California high school seniors who have not met ELWR and plan to attend a UC campus the next fall. The exam—called the UC Analytical Writing Placement Examination (AWPE)—is administered the second Saturday of May at testing centers throughout the state of California. The exam lasts for two hours. The AWPE instructs test-takers to read a short passage provided by a proctor and then write a response to the passage by hand within the two hour exam. The AWPE may only be taken once. Learn more about the AWPE at the UCOP website, including registration information, sample exams, sample responses, and the scoring guide.

Fulfilling ELWR After Entering UC Davis

Undergraduate students who enter UC Davis and have not satisfied the ELWR in one of the ways described above can complete the requirement by:

- **Enrolling in UWP 007**, a 4 unit UC Davis writing course that carries units toward graduation credit, and receiving a C or higher; or
- **Enrolling in UWP 007M**, a 4 unit UC Davis writing course that carries units toward graduation credit, and receiving a C or higher; or
- **Enrolling in UWP 001A (must be taken concurrently with UWP 001)**, a 2 unit UC Davis writing course that carries units toward graduation credit, and receiving a C or higher; or
• **Enrolling in ENL 003A (must be taken concurrently with ENL 003),** a 2 unit UC Davis writing course that carries units toward graduation credit, and receiving a C or higher; or
• **Enrolling in NAS 005A (must be taken concurrently with NAS 005),** a 2 unit UC Davis writing course that carries units toward graduation credit, and receiving a C or higher; or
• **Enrolling in WR 039A,** a 4 unit writing course offered by UC Online that carries units toward graduation credit, and receiving a C or higher; or
• **Enrolling in Workload 057,** a 4.5 unit writing course offered by Sacramento City College on the UC Davis campus that counts toward minimum progress but carries no units toward graduation, and receiving a C or higher; or
• **Passing the AWPE,** if it was not taken prior to entering UC Davis. The AWPE may only be taken once.

Passing the AWPE fulfills ELWR. To learn more about the time, location, test format, and registration process for UC Davis offerings of AWPE at the start of the quarter, please visit [http://elw.ucdavis.edu/schedules/exam-schedules/awpe](http://elw.ucdavis.edu/schedules/exam-schedules/awpe).

**NOTE:** P/NP grade mode is not permitted if the course will be used for satisfaction of the ELWR. Students must take the course for a letter grade and receive a C or higher to fulfill ELWR.

**Students who need intensive writing support should enroll in UWP 007:**

**UWP 007** is a face-to-face, 4 unit credit-bearing course taught by writing faculty at UC Davis. The small class size of 18 students allows for intense mentorship and collaboration as students focus on academic literacy strategies including understanding scholarly texts, contextualizing information, developing source-based academic writing projects, and learning how to implement feedback and revision plans.

**UWP 007M** is a face-to-face, 4 unit credit-bearing course taught by writing faculty at UC Davis. Students arrive at this course through campus placement (using the English Language Placement Exam or Analytical Writing Placement Exam) or after successful completion of UWP 022. The small class size of 18 students allows for the development of multilingual writers’ composition and English language skills across genres and disciplines. The course integrates college-level reading, critical thinking, and written communication, using texts from across the curriculum. UWP 023 has been discontinued; students who successfully completed UWP 022 have the option to take either UWP 007M or UWP 007.

Please Note: Students who successfully completed UWP 023 cannot enroll in UWP 007M; as they are equivalent courses. Students who successfully completed UWP 023 before summer 2019 but still need to fulfill ELWR, MUST enroll in an ELWR course other than UWP 007M.

**Students who need less writing support should enroll in an “A” co-course along with the corresponding lower-division writing course:**

**UWP 001A**

UWP 001A is a face-to-face 2 unit credit-bearing course taught by writing instructors at UC Davis that fulfills ELWR if passed with a C or higher. Concurrent enrollment in UWP 001 or UWP 001Y (a 4 unit credit-bearing course that fulfills the lower division writing requirement) is required for UWP 001A students. The course uses a writing studio approach; each section of UWP 001A enrolls 14 students who work intensively on analyzing writing tasks, developing drafts of writing, providing and implementing feedback, and identifying useful strategies for academic writing across the curriculum.

**ENL 003A**

ENL 003A is a 2-unit, credit-bearing course that fulfills ELWR when passed with a C or higher. It is taught by instructors from the English Department at UC Davis. Students must be enrolled in ENL 003 (a 4 unit credit-bearing course that fulfills the lower division writing requirement) in order to be enrolled in ENL 003A. Structured as a writing studio in support of ENL 003, each section of ENL 003A enrolls 14 students to work in small groups with an instructor to support them as they complete writing assignments from ENL 003. Those assignments include literary analysis of poetry, drama, and fiction.

**NAS 005A**

NAS 005A is a face-to-face 2 unit credit bearing course that fulfills ELWR if passed with a C or higher, taught by Native American Studies instructors at UC Davis. Concurrent enrollment in NAS 005 is required for NAS 005A students. The course uses a writing studio approach; each section of NAS 005A enrolls 14 students who work in
small groups and an instructor mentor who supports them as they complete disciplinary writing tasks assigned in NAS 005, including literary analysis of poetry, drama, and fiction.

**Students who want to take an online writing course should take WR 039A:**

WR 039A is an online Cross-Campus course taught by UC Irvine. Students in the Intro to Writing & Rhetoric course will develop their writing through language-intensive exercises, participation in community-based writing in blogs and forums, and completion of a writing portfolio. Students will also have the opportunity to experiment with various writing forms, ranging from the personal narrative to a thesis-driven essay project. Students must meet certain eligibility criteria to enroll through Cross-Campus enrollment and should check in with the advisors in their Dean's Office prior to enrollment.

**Students who want to take a course without graduation credits and therefore no GPA impact should take WLD 057:**

Workload 057 is a face-to-face course taught by Sacramento City College faculty on the UC Davis campus; the 4.5 units of the course count toward the minimum progress requirement but does not carry units toward graduation credit nor does it factor into a student's GPA. To satisfy the requirement, students must earn a course grade of C or higher; students who receive a grade lower than C must repeat an ELWR fulfilling course.

**American History & Institutions Requirement**

The American History & Institutions requirement ensures that every graduating student will have at least a minimum knowledge of the background of this country's development and an understanding of the political, economic and social interrelationships of its way of life.

You may meet this requirement in any of these ways:

- Complete one high school unit in American history, or 1/2 high school unit in American history and 1/2 high school unit in civics or American government, with a grade of C or better in each course
- Complete any one of the following courses:
  - African American and African Studies (AAS) 010, 100
  - Asian American Studies (ASA) 001, 002
  - Chicana/Chicano Studies (CHI) 010
  - Economics (ECN) 111A, 111B
  - Native American Studies (NAS) 001, 10, 116, 130A, 130B, 130C
  - Political Science (POL) 001, 005, 100, 102, 104, 105, 106, 108, 109, 113, 130, 131, 160, 163
  - Students electing to complete one of the above courses in order to meet this requirement are subject to the rules for prerequisites and majors.
- Present evidence that the requirement has been accepted as satisfied at another campus of the university.
- Present evidence that the requirement has been satisfied through courses in the area of American History and Institutions at another collegiate institution whose credits are acceptable for transfer to UC Davis.
- Successful completion of the Advanced Placement (AP) Examination in United States Government and Politics taken May 2014 and prior with a score of 3 or higher. As of May 2015 AP examination, AP United States Government and Politics no longer satisfies the American History and Institutions requirement.
- Successful completion of the International Baccalaureate (IB) Examination in History of the Americas Higher Level (HL) with a score of 5, 6, or 7.
- Successful completion of the SAT Subject Examination in U.S. History with a score of 550 or higher.

International students, regardless of the type of visa they hold, must meet the university’s American History and Institutions requirement for graduation.

**Unit Requirements & Limitations**

**Minimum.** A minimum of 180 quarter units is required for graduation. These must be distributed according to the minimum requirements set forth by the faculty of your college.
Unit Credit Limitations. For certain courses, there may be limits established on the number of units countable towards the 180-unit minimum required for the degree. To avoid discovering just before graduation that a student is short on units, a student should regularly meet with their advisor to keep track of the number of units taken and credited.

Internship Courses. A maximum of 15 units of internship courses may be counted toward the 180-unit bachelor’s degree requirement; however, some colleges have set a lower maximum. Unless the student has completed a minimum of 84 units, the student shall not receive University credit for an internship course numbered 192. (ASR 532.A & B)

Special Study Courses. Unless the student has completed a minimum of 84 units, the student shall not receive University credit for an Special Study courses course numbered 194H or 199. (ASR 535)

Transfer Courses. The acceptability of transfer courses for unit credit is determined by Undergraduate Admissions. The acceptability of such courses toward specific requirements is determined by the individual college or school. Students should refer to the Advanced Placement Examination chart and their transcripts to eliminate the possibility of duplication of credit.

Residence Requirements

The minimum residence requirement for a bachelor’s degree at the University of California is one academic year (three quarters). Thirty-five of the final 45 quarter units completed by each candidate must be earned while in residence on the UC Davis campus (UCSR 630.A). Each summer session in which a student completes a course of at least 2 quarter units may be counted as half a quarter’s residence.

Regularly approved courses (laboratory, field, or other individual work) done outside of a regular session but under the direction of a department of instruction may be accepted upon the recommendation of the department in partial fulfillment of the residence requirement for the bachelor’s degree. Registration is with the consent of the instructor only.

UC Davis Extension courses are not accepted as part of the university residence requirement. There are additional residence requirements for students enrolled in the Colleges of Letters & Science. If you are planning to study abroad during your senior year, you should consult your college dean's office or the Biology Academic Success Center.

With the approval of the dean of a student’s college or school, a candidate for the bachelor’s degree who was in active service in the armed forces of the United States in the year preceding the awarding of the degree may be recommended for the degree after only one quarter of university residence in which the candidate completes at least 16 units or passes a comprehensive examination in the major or field of concentration (UCSR 614).

Scholarship Requirement

To receive a bachelor’s degree, you must obtain twice as many grade points as units (a 2.000 GPA) for all courses you have attempted in the university. Each college has specific requirements, as well; see tabs above.

General Education (GE) Requirement

For complete information, see General Education Requirements. For a list of courses that contain GE attributes and GE search tools, see General Education (GE) Requirements.

The General Education (GE) requirement promotes the intellectual growth of all undergraduates by ensuring that they acquire a breadth of knowledge that will enlarge their perspectives beyond the focus of a major and serve them well as participants in a knowledge-based society. It seeks to stimulate continued growth by providing knowledge of both the content and the methodologies of different academic disciplines. It involves students in the learning process by its expectation of considerable writing and class participation, and encourages students to consider the relationships between disciplines.

The GE requirement has two components, Topical Breadth and Core Literacies, and is defined in terms of units, not courses.
Topical Breadth Component—52 units

A GE course in topical breadth addresses broad subject areas that are important to the student's general knowledge. The units of most undergraduate courses at UC Davis are assigned to one of the three Topical Breadth Areas.

Note: In the case of a course that has been certified in more than one Topical Breadth Area, a student may count the units of the course in only one of the areas in which it has been certified.

- **Arts & Humanities—12-20 units.** Courses in this area provide students with knowledge of significant intellectual traditions, cultural achievements and historical processes.
- **Science & Engineering—12-20 units.** Courses in this area provide students with knowledge of major ideas and concepts of science and engineering and their applications.
- **Social Sciences—12-20 units.** Courses in this area provide students with knowledge of the individual, social, political and economic activities of people.

Core Literacies Component—35 units

The literacies are crucial both for success in one's profession and for a thoughtful, engaged citizenship in the community, nation and world.

Note: In the case of a course that has been certified in more than one Core Literacy Area, a student may count the units of the course in only one of the core literacy areas in which it has been certified.

1. **Literacy with Words & Images—20 units.** The objective of this core literacy is to help students communicate their ideas effectively in written, oral and visual forms. The requirement also seeks to enhance students' critical judgment of oral, written, and visual messages created by others.

Note: A student must have completed the Entry Level Writing Requirement (formerly known as the Subject A requirement) before receiving General Education credit for coursework satisfying requirements a, b, and Writing Experience coursework satisfying requirement c, below.

   a. **English Composition—8 units.** As described by College of Agricultural & Environmental Sciences, College of Biological Sciences, College of Engineering, or College of Letters & Science.

   b. **Writing Experience coursework in the student's major or in other departments—6 units.** Courses in writing experience provide students instruction on how to communicate ideas in the subject matter of the course. The opportunity to improve writing after having received careful commentary is crucial to this requirement.

   c. **Oral Skills coursework or additional writing experience coursework—3 units.** Courses in oral literacy involve effective communication of ideas through oral presentation and build on and strengthen the critical thinking skills exercised through writing. As an alternative to developing oral communication skills, students may take additional coursework certified as writing experience (see requirement b, above).

   d. **Visual Literacy coursework—3 units.** Courses in visual literacy provide students with the analytical skills they need to understand how still and moving images, art and architecture, illustrations accompanying written text, graphs and charts, and other visual embodiments of ideas inform and persuade people. Coursework may stress the skills needed to communicate through visual means as well as the analytical skills needed to be a thoughtful consumer of visual messages.

2. **Civic & Cultural Literacy—9 units.** The objective of this core literacy is to prepare students for thoughtful, active participation in civic society. Students will learn to think analytically about American institutions and social relations, understand the diversity of American cultures, and see the relationships between national and local cultures and the world.

   a. **American Cultures, Governance, & History—3 units.** Courses in American Cultures, Governance, and History provide students with an understanding and appreciation of the social and cultural diversity of the United States and of the relationships between these diverse cultures and larger patterns of national history and institutions.

   b. **Domestic Diversity—3 units.** Courses in Domestic Diversity provide students with an understanding of issues such as race, ethnicity, social class, gender, sexuality, and religion within the United States, and develop the student's ability to think critically about diverse socio-cultural perspectives.

   c. **World Cultures—3 units.** Courses in World Cultures provide students with a global perspective in a world where communication technologies, economic relationships, and the flow of people across national borders increasingly challenge national identities and create transnational cultures. Students can satisfy this requirement through coursework or through certified study abroad.
3. **Quantitative Literacy—at least 3 units.** The objective of this core literacy is to provide students with an understanding of quantitative reasoning and skills for evaluating claims and knowledge generated through quantitative methods.

4. **Scientific Literacy—at least 3 units.** The objective of this core literacy is to provide students with an understanding of the fundamental ways scientists approach problems and generate new knowledge, and an understanding of how scientific findings relate to other disciplines and to public policy.

**Additional Conditions**

**Meeting Total Units Requirement.** With the exception of units used to satisfy the English Composition element, units approved for a Core Literacy will be accepted toward satisfaction of the appropriate Topical Breadth component. Course units that satisfy requirements in the candidate's major or majors may also be counted toward satisfaction of General Education requirements.

**Grading.** Students may take courses P/NP to fulfill their General Education requirements, up to the limits set by college and campus regulations.

**Advanced Placement & International Baccalaureate.** Students may not present Advanced Placement or International Baccalaureate credit in satisfaction of GE requirements, except insofar as it may be applied to the English Composition component of the Literacy with Words and Images requirement.

**Transfer Students** who have successfully completed the Intersegmental General Education Transfer Curriculum (IGETC) lower division course work are exempt from all General Education requirements that may be met with lower-division courses. Transfer students who have not completed the IGETC, and who are not entitled to graduate under the provisions of a General Catalog issued prior to Fall 2011 as permitted by the applicable college policy on degree requirement changes, are required to satisfy all General Education components under the revised requirement but may offer previously completed coursework toward their satisfaction.

**Approved General Education Courses**

For a list of the courses that provide General Education credit; see General Education. Please note that you cannot claim GE credit for a course you completed before it was an approved GE course.

### Undergraduate Education | Agricultural & Environmental Sciences

**College of Agricultural & Environmental Sciences**

A preliminary degree check can be used to help track your progress. You can also utilize the MyDegree advising tool to review requirements. It is the responsibility of the undergraduate scholar to ensure all requirements are fulfilled.

**College Unit**

- A minimum of 180 quarter units is required for the degree. At least 54 of the 180 units must be in upper division or graduate courses except that a maximum of 9 units in professional courses (300 and 400 series) will be accepted.
- No more than 6 units of Physical Education 1 and/or 6 and no more than 20 units of Internship 92 and 192 and courses numbered 99, 190C, 197T, and 199 may be counted toward the total of 180 units for the degree.
- A maximum of 12 units of Internship 92 and 192 is permitted. Credit will not be given for 192, 199 numbered courses prior to completion of 84 units.

**College Residence**

- 35 of the final 45 units must be taken while an undergraduate scholar is in the college. University of California Extension courses can be used to satisfy graduation requirements only with approval of the dean. Only grade points from University of California, Davis extension courses will count toward the student's overall UC grade point average.
- Education Abroad Courses are not considered in residence. Please speak to the Dean's Office if you are planning to study abroad.

**College Scholarship**
• The minimum grade point average (GPA) to satisfy the scholarship requirement is 2.000 for all courses counted toward the major and for all upper division courses used to satisfy major requirements.
• Only grades earned in courses taken at UC Davis will be included in the grade point computations.
• Cumulative grade point average (GPA) is a minimum of 2.000; major grade point average (GPA) is also a minimum of 2.000 - both are required in order to be eligible for graduation.
• Major grade point average (GPA) calculation varies per program of study. Questions regarding major GPA should be directed to the department advisor.
• To obtain these minimum averages in the major, you may repeat courses that are graded D or F. If you have to repeat a course more than once, scholars must obtain approval from the Dean's Office prior to enrolling.

English Composition

This requirement may be met in one of three ways:

(1) Either two courses emphasizing written expression or one course emphasizing written expression and one course emphasizing oral expression, with a grade of C- (or P) or better. The following UC Davis courses satisfy this requirement:
   • (a) One course must be selected from English (ENL) 003; University Writing Program (UWP) 001, 018, 019, 101, 102 series, or 104 series (courses with primary emphasis in writing skills), and:
   • (b) One course selected from the courses not selected above, or from Communication (CMN) 001; Comparative Literature (COM) 001, 002, 003, 004, or Native American Studies (NAS) 005 (courses emphasizing either writing or speaking skills.)

(2) Advanced Placement English score of 4 of 5 PLUS any course listed in 1(a) or 1(b) above EXCEPT University Writing Program (UWP) 001 or English (ENL) 003.

(3) By successfully passing the English Composition examination administered by the College of Letters & Science upon completion of 70 units of degree credit (the examination does not yield credit). For specific examination dates, instructions, and to sign up to take an examination, see the University Writing Program-Upper Division Composition Exam Information. It is recommended that students with disabilities contact the Student Disability Center at 530-752-3184 and the Entry Level Writing Program office 530-752-0450 at least two weeks prior to the exam date to arrange accommodations.

Undergraduate Education | Biological Sciences

College of Biological Sciences

Unit Requirements

Total Units. Complete no less than 180 units allowing for the unit credit limitations listed below. No student may exceed 225 units in their academic career without approval of the Dean. Units earned in Advanced Placement and International Baccalaureate exams are not counted toward this 225-unit limit. Upon reaching 200 units, a student must submit a quarter-by-quarter graduation plan to the Biology Academic Success Center or a hold will be placed on their registration.

Upper Division Units. Complete 64 upper division units.

Unit Credit Limitations

• Passed/Not Passed Units. All courses used to satisfy major requirements must be taken on a letter-graded basis, unless courses are only offered on a Passed/Not Passed basis. The Academic Senate limits the total number of courses graded P, including units earned in courses graded "P/NP only," to one third of the units completed on the UC Davis campus.
• Physical Education. Maximum of 6 units of Physical Education (PHE) 001, 006 and similar physical activity courses including transfer work.
• Transfer Work. Maximum of 105 units of credit earned at two-year institutions (community college).
• Graduate Courses. Units from courses in the 200 series (with the exception of course 299) may apply toward the minimum 64-unit upper division requirement and/or as a substitution for undergraduate courses in the major under the following conditions:
• Students must obtain written permission from the course instructor and the master advisor for their major.
• The master advisor will confirm that students have a minimum 3.400 GPA in the major at the time that they register for the course.
• **Professional and teaching courses.** Maximum of 9 units in courses numbered 300-399 and 400-499. These units may not be applied toward the 64-unit upper division requirement.
• **Upper division standing.** Must complete 84 units before enrolling in 192, 194H and 199 to receive degree and upper division credit.
• **Special Study.** No more than 5 units per quarter of Special Study courses (099, 194H, 199).
• **Nonstandard Courses.** Maximum of 20 units of nonstandard courses including transfer work.* Nonstandard courses are defined here as tutoring, internship, research, research conference, honors research and similar course activities. Some examples of these courses are, but are not limited to, courses numbered 090C, 091, 092, 092C, 097T, 097TC, 099, 189, 190C, 191, 192, 192C, 193, 194H, 197T, 197TC, 199, etc. Courses numbered 098 or 198 are not included in this 20-unit limitation.
• There are additional unit credit limitations on tutoring and internship units.
  ◦ **Tutoring.** Maximum of 3 tutoring units including but not limited to 097T, 197T, 097TC and 197TC.
  ◦ **Internship.** A maximum of 6 internship units including but not limited to 092, 192, 92C, 192C.

* Specific exceptions to these limits may be granted by the Committee on Undergraduate Petitions based on the uniqueness of the experiences and their concordance with the petitioner's educational objectives.

**Credit for Open Campus (Concurrent) Courses**

Students may apply credit for courses taken in the Open Campus (Concurrent) Program through UC Davis Extension towards the 180-unit undergraduate degree requirement. The grade points earned when enrolled in Open Campus courses will count toward the calculation of a student's UC GPA upon his/her admission or readmission to regular student status at UC Davis. However, the units earned do not satisfy the university residence requirement. Students registered at UC Davis may not enroll in Open Campus courses.

**Residence**

Meet university residence requirement. No additional college residence requirements.

**Scholarship**

Students must attain at least a 2.000 GPA for all courses required in their major. Students must also attain a 2.000 GPA in all Depth Subject Matter courses required in their major. Students who fail to maintain a 2.000 GPA in courses required for their major over two consecutive quarters may be required to withdraw from the major.

- **Repeating Courses.** Students may repeat courses once in which they received a grade of D+ or less. To repeat a course more than once, students must petition the Dean for approval prior to enrolling in the course.
- **Passed/Not Passed Grading Option.** All courses used to satisfy major requirements must be taken on a letter-graded basis, unless courses are only offered on a Passed/Not Passed basis.

**English Composition**

English Composition requirement may be satisfied in one of two ways:

1. Completing 8 units, to include 4 upper division units, in English composition courses with at least a C- or Passed grade from the following list: Comparative Literature 001, 002, 003, 004, English 003, Native American Studies 005, University Writing Program 001, 018, 019, 101, 102 series, or 104 series.

   OR

2. Passing the English Composition Examination, administered by the University Writing Program, upon completion of 70 units of degree credit. This examination does not yield credit. Students interested in entering the health science field should check with the Health Professions Advising office or the Biology Academic Success Center before choosing this option.

**English Composition Examination.** The no-fee, no-unit examination is typically offered on a Saturday in October, January, and April. For specific dates, see [http://writing.ucdavis.edu/compexam/](http://writing.ucdavis.edu/compexam/).

If students choose to take this challenge exam, they are strongly advised to do so in their junior year. Register for the English Composition Examination at [http://writing.ucdavis.edu/compexam/](http://writing.ucdavis.edu/compexam/) from the Monday before the exam date until Friday at noon or until no spaces remain. The AWPE/Upper-Division Composition Examination form,
available at the UC Davis Bookstore, is required. It is recommended that students with disabilities contact the Student Disability Center 530-752-3184 and the University Writing Program 530-752-6283 at least two weeks prior to the exam date to arrange accommodations. No examinations are given during the summer.

Additional Bachelor of Arts Requirements

Bachelor of Arts degrees are available in Biological Sciences; Evolution, Ecology and Biodiversity; Microbiology; and Plant Biology. These degrees offer students an opportunity to broaden their education while pursuing a rigorous life science major. Candidates for the Bachelor of Arts degrees must complete two additional requirements.

Foreign Language. The requirement can be met in one of three ways:

- Complete with passing grades 15 quarter units of college level course work, or the equivalent thereof, in a single language.
- Attain a minimal score prescribed by the Committee on Undergraduate Curriculum and Educational Policy, in the College Entrance Examination Board Achievement Test in Foreign Language, which may be taken at any time during the student's high school career, or any other achievement test approved by the Committee on Undergraduate Curriculum and Educational Policy.
- Placement beyond the 15-unit level on a placement/proficiency examination offered by one of the foreign language departments of the University.

Breadth Requirements. Satisfaction of the campus General Education requirement (or IGETC for transfer students) in effect Fall 2011 will satisfy the Breadth requirement. Students that matriculated prior to Fall 2011 have the option of completing the Breadth Requirement specified in the College of Biological Sciences regulations prior to this revision. Completion of a minor in the humanities, social sciences or fine arts can offer structure and coherence to the courses selected for the satisfaction of the requirement.

Declaration of Major/Undeclared—Life Sciences

Students must declare a major by 90 units. A hold will be placed on a student's registration if he/she is still undeclared after completing 90 UC Davis units.

All changes of major and college must be completed before the beginning of the student's quarter of graduation.

Students who are enrolled in a major administered by the College of Biological Sciences and students who are Undeclared-Life Sciences see a staff advisor in the Biology Academic Success Center for their major, university, general education, and college academic advising. Master faculty advisors are also available in the department that houses their major, as listed in the catalog, or at the Biology Academic Success Center.

Degree Check

Students are encouraged to meet with their academic advisor at least once a year to ensure timely graduation. Students are required to consult a Biology Academic Success Center academic advisor at three points in their academic careers:

- In their first two quarters on the Davis campus.
- Before accumulating 90 units.
- Before accumulating 135 units.
- In addition, if you are taking courses which, if passed, will cause your unit total to exceed 200 units and you intend to register for the next quarter, you must file a plan with your advisor that leads to graduation within 225 units. If the plan anticipates registering after you have accumulated 225 units, the plan must be submitted to the Dean for approval.

If you do not meet any of these advising requirements, a hold may be placed on your registration.

Degree Requirement Changes or Catalog Rights

On occasion, the faculty makes changes in the requirements that students must satisfy to obtain the baccalaureate degree. So that you will not be penalized by changes that may work to your disadvantage and so that you will benefit by changes that assist you in completing your degree requirements, it is college policy that you may choose to fulfill the university and college requirements (see General Education Requirement for an exception) as stated in any UC Davis General Catalog in effect at the time you were registered at UC Davis. If you have transferred to UC
Davis from a community college, state college, or another university, you may follow the requirements as stated in any UC Davis General Catalog in effect either during the three years immediately preceding your transfer to UC Davis or at the time you first registered at that institution, whichever is most recent. Once you have chosen the year of the General Catalog under which you wish to be governed, you must satisfy all of the university and college requirements specified in that catalog.

With respect to the completion of your major requirements, most of the majors in the College of Biological Sciences require completion of the major degree requirements in effect at the time you officially declared your major. However, because departments differ in how they handle these matters, check with your BASC academic advisor if you have any questions about your major requirements.

**Undergraduate Education | Engineering**

**College of Engineering**

**Unit**

Each candidate must complete a program of study under an approved curriculum in Engineering, totaling at least 180 units.

**Residence**

College of Engineering students must meet the university residence requirement. There are no additional college residence requirements.

- **Limitation on Credit for UC Davis Extension Courses.** Students may apply a maximum of 16 units of credit for courses taken in the Open Campus Program through UC Davis Extension towards the unit requirement of their major. Courses may be taken only when written approval has been obtained from the Associate Dean for Undergraduate Studies. The grade points earned when enrolled in Open Campus courses will count toward the calculation of the student's UC GPA upon your admission or readmission to regular student status at UC Davis. Students registered at UC Davis may not enroll in Open Campus courses.

**Scholarship**

In addition to meeting the university scholarship requirement, College of Engineering students are required to maintain at least a 2.000 grade point average for all undergraduate course work within the College of Engineering at UC Davis.

**English Composition**

All students admitted to the University must complete the Entry Level Writing Requirement before credit for any composition course or general education writing experience course will be granted.

Once the Entry Level Writing Requirement has been satisfied, there are two distinct composition requirements for engineering students:

- **Lower-division composition.** This requirement can be satisfied by completion of an Advanced Placement English exam with a score of 4 or 5; International Baccalaureate credit for English 3; or completion of certain coursework with a grade of C- or better. Courses allowed vary by major. Please see your program adviser to determine coursework that has been approved for your major.

- **Upper division composition.** Requirements for upper division composition vary by major. Please see your program adviser to determine the coursework that has been approved for your major. Please note that when you use coursework to satisfy either of the composition requirements, you must earn a grade of C- or better.

**Current Catalog Curriculum**

In order to ensure that students graduate with the most current engineering knowledge, College of Engineering Students must complete the major requirements in effect in the academic year of graduation or in the immediately preceding academic year.

**Undergraduate Education | Letters & Science**

11
A minimum of 180 units is required for the bachelor's degree. 64 units must be earned in upper division courses.

**Registration Beyond the 225-unit Limit.** You are expected to fulfill all degree requirements within the 180- to 225-unit range. Once 225 units have been completed (excluding units awarded for College Board Advanced Placement Examinations or International Baccalaureate Examinations), you may register only with the permission. Such permission is rarely granted and then typically only to allow completion of minimum degree requirements. A hold will be placed on a student's record when they reach 200 total units, requiring submission of an academic plan to verify the degree can be completed within the 225-unit cap. You will be expected to adhere to a program of courses agreed upon and to meet other conditions that may have been set. Approval must be obtained from Undergraduate Education and Advising in the Office of the Dean before you will be permitted to register for courses for the quarter following completion of 225 or more units.

If you are in good standing, you will be able to complete 12 quarters or the equivalent (e.g., four years) of college work even if you have earned more than 225 units before you finish your fourth year. You must petition for continuation, however, and file the quarter-by-quarter course program you have planned.

**Unit Credit Limitations.** For certain courses, limits have been established on the number of units that can be counted towards the 180-unit minimum required for the degree. To avoid discovering just before graduation that you are short units, meet with an advisor regularly and keep track of the number of units you have taken in each of the following categories.

**Limitation on Credit for Graduate and Professional Courses.** Undergraduates may enroll in graduate and professional courses subject to the restrictions outlined on the petition to Request to Take a 200, 300 or 400 - Numbered Course for Degree Credit. Graduate and professional courses that have been completed will be listed on the student's transcript in the usual manner. However, the units earned may be counted toward degree requirements only under the conditions listed below.

Within the limitations A, B and C given below, undergraduate students in the College may count up to a combined total of 9 units in graduate 200 series courses and in 300 and 400 series professional courses toward degree requirements. These units, however, are not counted as upper division units.

**A.** The recommendations of the instructor in the course and the department chairperson—in addition to approval from Undergraduate Education and Advising in the Office of the Dean—must be obtained by petition in order to receive credit toward the degree for the following kinds of courses:

- All graduate courses 200–298, whether offered by a department or program outside of or within the College of Letters & Science.
- All professional courses 300–398 for teachers offered outside of the College of Letters & Science.
- All postgraduate professional courses 400–498 offered outside of the College of Letters & Science.
- All variable unit courses 300–398 and 400–498 offered within the College of Letters & Science.

**B.** The minimum eligibility conditions for an undergraduate student in the College to petition for degree credit for a 200, 300, or 400 series course are a UC grade point average of 3.300 and completion of 18 upper division units basic to the subject matter of the course. These eligibility conditions may be waived, however, upon the recommendation of the course instructor and concurrence of the department chairperson if the student's preparation warrants exception.

**C.** Undergraduates in the College cannot receive degree credit for special study courses 299, 399, or 499.

**Limitation on Credit for Units Graded P.** Students in the College of Letters & Science are subject to an additional limitation on the number of units that may be completed employing the Passed/Not Passed grading option. Graduating seniors and other students planning to undertake graduate or professional studies, should consult an adviser before electing for Passed/Not Passed grading in courses required for the major program. Excluding courses that are graded on a Passed/Not Passed (P/NP) basis only, the number of units graded P that may be accepted towards a degree in the College of Letters & Science is limited to not more than one fourth of the units completed in residence on the UC Davis campus. The Academic Senate limits the total number of courses graded P, including units earned in courses graded "P/NP only," to one third of the units completed on the UC Davis campus. This limitation applies to all UC Davis undergraduates, including Letters & Science students.
Limitation on Credit for UC Davis Extension Courses.

A. UC Davis Extension courses with a designator of "X." Students may apply credit earned through lower division and upper division UC Davis Extension "X" courses towards the 180-unit requirement only with written approval from Undergraduate Education and Advising in the Office of the Dean prior to registration. The degree credit allowed for such courses is usually less than the unit value listed in the course description. Additional limitations on UC Davis Extension "X" courses include: a maximum of 9 units may be offered for elective credit only and may not be applied toward fulfillment of the Area, Foreign Language, Upper Division, or Residence requirements of the College.

B. UC Davis Extension courses with a designator of "XD." Students may apply credit earned through lower division and upper division UC Davis Extension "XD" courses towards the 180-unit requirement. Additionally, credit from such courses may be applied toward fulfillment of all university, campus, college and major unit and subject matter requirements—including the Area, Foreign Language, Upper Division and Residence requirements of the College—in the same manner that the corresponding regular UC Davis course is so accepted.

C. UC Davis Extension courses with a designator of "XDC" [Open Campus (Concurrent) Program]. Subject to the following conditions, students may apply credit earned through lower division and upper division UC Davis Extension Open Campus (Concurrent) courses—i.e., those bearing the "XDC" designator—towards undergraduate degree requirements, and, effective Fall 2003, the calculation of the student’s UC GPA, upon admission or readmission to regular student status at UC Davis.

• Students on leave of absence and regular status students when matriculated, or regular status students for a period of one calendar year following the last term of regular enrollment at UC Davis, may not enroll in Open Campus (Concurrent) courses. Exceptions to this policy for undergraduate students may be made only under extraordinary circumstances by petition with prior approval by Undergraduate Education and Advising in the Office of the Dean and the Dean of UC Davis Extension.
• Concurrent ("XDC") courses do not count toward satisfaction of the University residence requirement or the residence requirements of the campus or the college.
• Concurrent ("XDC") courses may constitute at most half of the units offered in satisfaction of the upper division requirements of the major.
• In the event that the faculty of the college imposes further restrictions on the number of units of UC Davis Extension Open Campus (Concurrent) course work that may be applied to undergraduate degree programs, the allowable number of units of course work will be determined chronologically, starting with the course completed first. Grade point credit for such courses will be determined in the same manner.

Other Unit Credit Limitations. The following are additional courses that have limits on the number of units that can be counted toward your degree.

• Internship courses (numbers 92, 192): 12 units maximum including internship units taken at other institutions; see Nonstandard courses, below.
• Music 130, 131, 140-150 (combined): 19 units maximum.
• Nonstandard courses (92, 97T, 97TC, 99, 192, 194H, 197T, 197TC, 199 and similar courses): 30 units maximum or one-sixth of the units taken at UC Davis, whichever is the smaller; note the separate unit limits on internship, special study and tutoring courses; and major limitations • Physical Education 1 and 6 (combined): 6 units maximum.
• Special Study courses (99, 194H, 199): 5 units maximum in any one quarter; see Nonstandard courses, above.
• Tutoring courses (97T, 97TC, 197T, 197TC): 10 units maximum; see Nonstandard courses, above.

Residence

While registered in the College of Letters & Science, a minimum of 27 upper division units, including 18 upper division units in the major, must be completed on the Davis campus; work completed while registered in the UC Education Abroad Program or the UC Davis Extension Open Campus Program does not satisfy university or College Residence requirements.

Scholarship

The minimum grade point average to satisfy the scholarship requirement is 2.000 for all courses counted toward the major and for all upper division courses used to satisfy major requirements. Only grades earned in courses
taken at UC Davis will be included in the grade point computations. To obtain these minimum averages in the major, you may repeat courses that are graded D or F. If you have to repeat a course more than once, you need approval from Undergraduate Education and Advising in the Office of the Dean.

English Composition

All undergraduates in the College of Letters & Science must fulfill a two-course writing requirement, by completing each course with a grade of C- (or P) or higher or by testing out of one or both courses. All courses require a minimum of 6,000 words of writing, designed to introduce students to academic and professional writing, advance their analytic skills, and improve their writing process. Students may satisfy the writing requirement by completing:

- One course from University Writing Program (UWP) 001, 001V, 001Y, English (ENG) 003, Comparative Literature (COM) 001, 002, 003, 004, or Native American Studies (NAS) 005; and.
- After completing 84 units, one course selected from University Writing Program (UWP) 101, 102 series, or 104 series.

Transfer Courses in English Composition. Transfer courses considered to be equivalent or comparable to English (ENG) 003, Comparative Literature (COM) 001, 002, 003, 004, Native American Studies (NAS) 005, or University Writing Program (UWP) 001, 001V, 001Y, 101, 102 or 104 series, will be accepted toward satisfaction of the English Composition requirement. Note that University Writing Program (UWP) 101, 102 and 104 series courses or the equivalent must be taken after you have completed 84 units of degree credit.

Upper Division Composition Examination. The no-fee examination is typically offered Saturdays in October, January and April. No examinations are given during the summer. For specific examination dates, instructions, and to sign up to take an examination, see the University Writing Program-Upper Division Composition Exam Information at http://writing.ucdavis.edu/compexam. It is recommended that students with disabilities contact the Student Disability Center at 530-752-3184 and the Entry Level Writing Program Office 530-752-0450 at least two weeks prior to the exam date to arrange accommodations.

Area (Breadth)

The College Breadth Requirement promotes the intellectual growth of students by asking them to acquire a broader background of knowledge than is provided by the usual major. The Breadth requirement also guides students in exploring the interdependence of knowledge.

A.B. Degree. Satisfaction of the campus General Education requirement.

B.S. Degree. A total of 90 units in natural sciences/ mathematics; units used in satisfaction of the campus General Education requirement in Science and Engineering topical breadth may also be used to satisfy this requirement.

Courses numbered 092, 097T, 097TC, 098, 192, 197T, 197TC, 198 and 200-499 cannot be counted toward satisfaction of the natural sciences/mathematics Area requirement. A maximum of 10 units in special study courses (099, 194H, 199) may be counted toward that portion of the Area requirement. Subject to the restrictions just listed, courses acceptable for fulfilling the 90-unit natural sciences/mathematics Area requirement are:

Natural Sciences & Mathematics

- Anatomy, Physiology and Cell Biology (APC) 100
- Astronomy (AST)
- Avian Sciences (AVS) 013
- Biological Sciences (BIS)
- Cell Biology & Human Anatomy (CHA) 101, 101L
- Chemistry (CHE)
- Engineering (ENG) 006, 010, 035, 102
- Engineering: Biomedical (BIM) 126
- Engineering: Electrical & Computer (ECS) 070, 170, 173A
- Entomology (ENT) 010, 100, 153
Foreign Language (A.B. & B.A.S. degrees)

A key component of liberal education, the study of another language exposes students to a ubiquitous and highly diverse component of human behavior and interaction. Language learning enables students to communicate effectively in an increasingly internationalized world, enhances their ability to understand ways of thinking different from their own, gives them direct access to cultural production from another time and place, awakens in them an awareness of the conditioned nature of their assumptions about the world, and trains them to cope more effectively with intellectual and practical problems they may face in their future careers.

The College of Letters & Science encourages its students to acquire functional proficiency in at least one language other than English before graduating. At a minimum, the College requires A.B. candidates to complete three sequenced quarters (15 units) of courses, or its equivalent, in one foreign language. B.S. candidate requirements are determined by their respective major program.

Languages Satisfying the Requirement

The Foreign Language Requirement may be satisfied in any language offered at UC Davis, including ancient languages, or which is normally taught at—and for which transfer credit is allowed—from another institution, including American Sign Language. Students may also satisfy this requirement by examination in a language not offered on the UC Davis campus (see below).

Satisfaction of the Requirement

At UC Davis or Another Accredited Institution. You may satisfy the requirement by taking 15 quarter units of one foreign or classical language offered at UC Davis. You may also fulfill this requirement by taking the equivalent number of transferable quarter units in one foreign language at an accredited institution. Transfer students should consult the Transfer Credit Evaluation, which is issued by Undergraduate Education and Advising in the Office of the Dean, within a quarter after their first enrollment at UC Davis. Students planning to continue to study the same language at UC Davis must consult the relevant language coordinator. If you have successfully completed the second or third year of a language in the tenth or higher grade in high school, you may receive unit credit for course 1 of that language when taken at UC Davis, but the grading mode will be P/NP only. Although a Passed or Not Passed grade will be charged to your P/NP option, no petition is required.

Through Study Abroad. Certain study abroad programs offered by UC Davis through the Study Abroad Center, UC Education Abroad Program and other accredited institutions may be used to satisfy the requirement. Some of these programs do not have a language prerequisite, but others do. If you intend to apply for a study abroad program with a language prerequisite, you should plan on completing the relevant foreign language requirement by the end of your second or third year, depending on the program.
With the Intersegmental General Education Transfer Curriculum (IGETC), IGETC is a series of courses which prospective transfer students attending California community colleges may complete to satisfy the lower division breadth/general education requirements at the University of California. Students may satisfy the Foreign Language requirement by attaining certification of IGETC completion.

**By Examination: Proficiency Exam.** The UC Davis Language Center (DLC) offers proficiency tests in numerous languages. A proficiency test does not yield unit credit; it only determines whether the Foreign Language requirement has been met or at which point in the language sequence you should enroll. Students must follow the language program's placement policy if they decide to study the language at UC Davis.

**By Examination: Standardized Tests.** College Board Subject Test: Earning a qualifying score of at least 550 on a College Board Foreign Language Subject Test satisfies the requirement. This test may be taken at any time during your high school career. Once your score is on file at Undergraduate Admissions, notify Undergraduate Education and Advising in the Office of the Dean so that satisfaction of the College requirement can be noted on your record.

**College Board Advanced Placement Examination.** A score of 5, 4 or 3 on any foreign language College Board Advanced Placement Examination, with the exception of Latin, taken in high school will satisfy the Foreign Language requirement.

**International Baccalaureate Higher Level Examination.** A score of 7, 6, or 5 on the French A1, A2, or B Examination, the German A1, A2 or B Examination, the Italian A1 Examination, the Latin Examination, the Portuguese A1, A2 or B Examination, or the Spanish A1 Examination taken in high school will satisfy the Foreign Language requirement.

**By Examination: Other means.** If you have not completed the required level language course, but assume you have attained equivalent language fluency and cultural knowledge, you may satisfy the language requirement by passing a proficiency examination. For more information, consult the appropriate foreign language department. You may validate your knowledge of a language acquired by any means before matriculating at UC Davis by taking a proficiency test or another form of evaluation (if available in the relevant language department). A test may not be taken, however, in a language for which you have already received degree credit.

**Major Degree Certification**

These requirements are fulfilled by completing a major program offered by a teaching department or program committee in the College of Letters & Science (see the list of majors) or an individual major program approved by the College's Committee on Individual Majors. No more than six units in internship courses (numbered 092, 192, or similar internship courses) may be accepted in satisfaction of the requirements of major programs. Courses numbered 097T, 97TC, 197T and 197TC do not satisfy unit or course requirements in the major. Please check with your major advisor to determine if there are any additional restrictions for your specific major. You can also learn more about the requirements for a major by talking with a Major Advisor and visiting the departmental website.

**Degree Check**

**Freshman admits.** In your third year, you will be notified by Undergraduate Education and Advising in the Office of the Dean that a summary of your progress in fulfilling college and university requirements has been completed. At approximately this point, you should contact your departmental advisor for a check of your major requirements.

**Transfer admits.** During Orientation, you should be in contact with your departmental advisor for a check of your major requirements. You will receive notification of the evaluation of your transfer institution credit summarizing your progress in fulfilling college, campus and university requirements in late summer/early fall after your official transcripts have been processed.

**Senior year.** Before the beginning of your senior year, take some time to consider your goals and to plan the academic program for your final year as an undergraduate. To plan properly and to ensure that you get the most out of your remaining education and complete all graduation requirements as well, you should know what requirements remain unsatisfied, you are encouraged to utilize the MyDegree advising tool. While not a replacement for academic advising by your college and major advisors, it is an online advising tool that allows you to understand your degree requirements, track your progress towards degree completion, and explore alternative and/or additional fields of study.
Degree Requirement Changes

On occasion, the faculty makes changes in the requirements that students must satisfy to obtain the baccalaureate degree. So that you will not be penalized by changes that may work to your disadvantage and so that you will benefit by changes that assist you in completing your degree requirements, it is College policy that, unless otherwise specified by the Davis Division of the Academic Senate, you may choose to fulfill the university, campus and College requirements as stated in any UC Davis General Catalog in effect at any time you were registered as a full-time student at a postsecondary institution of higher education; e.g., community college, college or university.

Once you have chosen the year of the General Catalog under which you wish to be governed, you must satisfy all of the university, campus and college requirements specified in that catalog. With respect to the completion of your major requirements, most of the majors in the College of Letters & Science require completion of the major degree requirements in effect at the time you officially declared your major. However, because departments differ in how they handle these matters, check with the department or major program office if you have any questions about which requirements apply to you.

Undergraduate Education | Bachelor's Degree Requirements Archive

Bachelor's Degree Requirements Archive


For older versions, see General Catalog Downloads.