

GRADUATE STUDIES



UC DAVIS

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2002-2003
2003-2004



GRADUATE STUDIES

250 Mrak Hall
530-752-0650;
<http://gradstudies.ucdavis.edu>

UC Davis offers advanced degrees in more than 80 graduate programs. Students' graduate study is guided by either departments or graduate groups. Graduate groups are composed of individual faculty members with similar disciplinary or research interests. The group structure, used extensively at Davis, permits faculty to be affiliated with graduate programs in more than one discipline and offers students flexibility and breadth by crossing the administrative boundaries of the various departments, colleges, schools and sometimes campuses. In keeping with UC Davis' progressive spirit, the group structure also allows for expansion of established degree programs and facilitates the development of new ones. More than half of the graduate programs at Davis are sponsored by graduate groups. You will find a list of the graduate degrees available at UC Davis in the front of this catalog.

Graduate study is administered by the Graduate Council, a standing committee of the Davis Division of the Academic Senate and by the dean of Graduate Studies. A universitywide Coordinating Committee on Graduate Affairs determines general policies and establishes common procedures.

Preparing for an Advanced Degree

Admission to a graduate program at the University of California requires a bachelor's degree that is comparable to a degree from the University of California both in distribution of academic subject matter and in scholarly achievement.

The primary requirement for admission to any program is evidence of intellectual achievement and promise. Your application will be evaluated primarily on the basis of your transcript to assure that your qualifications meet minimum standards as set by universitywide and UC Davis Graduate Councils. Generally, you must have a minimum *B* average in undergraduate course work from an institution of acceptable standing to be considered for admission. Graduate programs frequently require submission of additional materials such as a separate application form, Graduate Record Examination (GRE) scores, letters of recommendation, portfolios or examples of written work to assist in selecting from among qualified applicants. Admission to graduate study is limited by the number of spaces available in major programs. Not all eligible applicants can be admitted.

UC Davis is committed to maintaining excellence, preserving fairness and promoting diversity in its student population. In addition to an applicant's past scholastic achievement, admissions criteria include an applicant's potential for service in the field, keeping in mind the needs of our society and of underrepresented and disadvantaged communities. Criteria also attempt to take into account any prior disadvantages applicants have experienced that may bear on future achievements and services.

Applying for Admission

World Wide Web (applications for admission):
<http://gradstudies.ucdavis.edu/b4apply.htm>

March 1 Deadline for **international students** to file applications for admission to graduate standing, with complete credentials, with the program or department, or as required by program, or as required by program

April 1 Deadline for **United States residents** to file applications for admission to graduate standing, with complete credentials, with the program or department or as required by program, or as required by program

Applications are accepted for fall quarter only. You may apply for admission to graduate study online at <http://gradstudies.ucdavis.edu/b4apply.htm>. If you apply electronically, the \$40 nonrefundable application fee and official transcripts from each college and university you have attended must be mailed directly to the program to which you are applying.

You should begin the application process as early as possible in the academic year since many programs have early deadlines. In addition, your chances for appointment as a teaching or research assistant, or of receiving financial support, are greatly enhanced by applying early. The application deadlines are as noted above, unless otherwise indicated by the program, or until your proposed graduate program is full, whichever occurs first.

You are strongly encouraged to apply electronically. If this is not possible, you may request the application for admission and fellowship from the Office of Graduate Studies, University of California, One Shields Avenue, Davis, CA 95616. The completed application form, the application fee and official transcripts must be sent directly to the program to which you are applying. Supplemental application materials required by the graduate program must be sent directly to the graduate adviser for that program.

The Graduate Admissions Advisory Committee for the program will submit its recommendation and evaluation to Graduate Studies; final admission decisions rest with the dean of Graduate Studies. This approval procedure applies to all applicants, including those seeking a transfer to UC Davis from another UC campus.

Applications for the degrees of Juris Doctor, Doctor of Medicine, Doctor of Veterinary Medicine, Master of Business Administration and Master of Preventive Veterinary Medicine must be filed directly with the appropriate professional school.

Readmission

April 1 Deadline to file applications for **readmission** to graduate status with Graduate Studies

If you were formerly registered at UC Davis as a graduate student and wish to return to pursue the **same degree objective in the same major**, you must apply for readmission and pay the readmission application fee of \$40. The readmission application must be filed with Graduate Studies by April 1 (or earlier if the program specifies an earlier date). Readmission to quarters other than fall

is granted on an exception basis by special petition to the dean of Graduate Studies. If you are seeking to return to a new degree program and/or new major, you must apply for admission along with other new applicants. Apply online at <http://gradstudies.ucdavis.edu/b4apply.htm>, or obtain an application from the Graduate Studies office. Transcripts of all work undertaken since you were last registered in graduate status at Davis must be presented with the application. (There is no assurance of reentry, as applicants for readmission will be considered in competition with other applicants for the program.)

International Students

Assessment of a foreign degree is based on the characteristics of the national system of education, the type of institution attended and the level of study completed.

If you are an international student with credentials from universities outside the U.S., you should begin the application process as early as a year in advance. Official copies or certified copies of all transcripts in English and in the original language are required before your application can be processed. Do not attempt to convert your grade point average or ranking to a U.S. equivalent. Graduate Studies will determine your eligibility using U.S. guidelines for credential evaluation. Completed applications from international students along with the nonrefundable \$40 application fee must be received by the program to which you are applying by March 1, unless your proposed program has an earlier deadline.

International students are also encouraged to apply online at <http://gradstudies.ucdavis.edu/b4apply.htm>.

English Requirement. Applicants whose native language or language of instruction is not English must take the TOEFL or IELTS. The minimum score required for admission to UC Davis is 550 on the paper test, 213 on the computer-based test for TOEFL and at least 7 on a 9-point scale for IELTS; scores from tests taken before 1999 will not be accepted. Some programs require a higher score. There is no conditional admission. The score report is required before application processing

begins. You may send a photocopy, however, an official copy is required before registration if you are admitted.

The Test of English as a Foreign Language (TOEFL) is given by Educational Testing Service (ETS), P.O. Box 6154, Princeton, NJ 08541-6154; (609) 771-7100; toefl@ets.org; <http://www.toefl.org>. The Academic Modules of the International English Language Testing System (IELTS) are designed by the University of Cambridge Local Examinations Syndicate and administered by the British Council worldwide. You are responsible for providing an official Test Report Form of your IELTS. To register, contact the IELTS Subject Officer, University of Cambridge, Local Examinations Syndicate, 1 Hills Road, Cambridge, CB1 2EU, United Kingdom; <http://www.ielts.org>.

Visas. If you need a certificate of eligibility for a student visa issued by UC Davis, you will be required to complete a certification of finances form showing the availability of sufficient funding for your graduate program (see International Student Services in the “Academic Advising” chapter for complete details).

Program of Study

New students are assigned an adviser within the appropriate department or graduate group who assists them in planning a program of study. The program will depend to some degree on the student's undergraduate training and may include undergraduate courses to remove deficiencies. Each student must satisfy the degree requirements as published in the *Graduate Program Directory*, or as documented by the program. Additional requirements for study may be established by the department or group and approved by the Graduate Council. These requirements often include a core of required courses, but considerable flexibility is permitted to suit individual needs. Undergraduates at Davis who plan to pursue graduate study should consult with their major adviser early in their senior year to guarantee adequate preparation.

A graduate degree is awarded to recognize a student's command of a wide range of knowledge in an academic field. It is not awarded merely for fulfillment of technical requirements, such as residence, or the completion of specific courses.

Master's Degree

Students working toward a master's degree must be registered in residence for at least three quarters. Two regular six-week Summer Sessions may count as the equivalent of one quarter. Usually, all work for the master's degree is done in residence on the Davis campus. With the consent of the graduate adviser and the dean of Graduate Studies, however, some work taken elsewhere may be credited toward your degree. The normal limit for such transfer credit is 6 units from another institution, or 12 concurrent units, or up to one half of the unit requirement if the courses were taken at another UC campus—providing the units were not used to satisfy requirements for another degree.

A master's degree may be awarded upon completion of one of two basic plans in which either a thesis or a comprehensive examination is required.



Ph.D. Degree

The Doctor of Philosophy degree, as granted at the University of California, means that the recipient possesses knowledge of a broad field of learning and has given evidence of distinguished attainment in that field; it is a warrant of critical ability and powers of imagination and synthesis. It means, too, that the candidate has presented a dissertation containing an original contribution to the knowledge of the chosen field of study.

Students working toward a doctorate must be registered and in university residence for a minimum of six regular quarters. Experience indicates that it takes considerably longer than this to complete a degree program. Two consecutive regular Summer Sessions may count as the equivalent of one regular quarter.

There is no university unit requirement for the doctoral degree. However, individual programs have course requirements that must be completed before admission to the qualifying examination.

The Qualifying Examination is administered by a committee appointed by the dean of Graduate Studies. The examination is intended to demonstrate critical thinking ability, powers of imagination and synthesis and broad knowledge of the field of study. Upon recommendation of the Qualifying Examination Committee, and with the approval of the Graduate Council, the examination may be repeated one time.

After successful completion of the Qualifying Examination, the student must file for Advancement to Candidacy for the degree. At this time, a committee is appointed to direct the research problem and guide in the preparation of the dissertation.

Graduate students in certain Ph.D. programs may participate in a **Designated Emphasis**, a specialization that might include a new method of inquiry or an important field of application which is related to two or more existing Ph.D. programs. The Designated Emphasis is awarded in conjunction with the Ph.D. degree and is signified by a transcript designation; for example, "Ph.D. in History with a Designated Emphasis in Criti-

cal Theory." Programs approved as Designated Emphases include Biotechnology; Classics and the Classical Tradition; Computational Science; Critical Theory; Economy, Justice and Society; Feminist Theory and Research; International Nutrition; Native American Studies; Reproductive Biology; Second Language Acquisition; and Social Theory and Comparative History.

Intercampus Exchange Program

A graduate student registered on any campus of the university may become an intercampus exchange student with the approval of the graduate adviser, the chairperson of the department or group on the host campus and the dean of Graduate Studies on both the home and the host campuses.

An intercampus exchange student has library, health service and other student privileges on the host campus, but is considered a graduate student in residence on the home campus. The grades obtained in courses on the host campus are transferred to the home campus and entered on the student's official graduate transcript.

Application forms may be obtained in Graduate Studies and must be submitted five weeks before the beginning of the quarter in which you wish to participate in the program. Petitions received after the first day of the quarter **will not be processed**.

Fellowships, Assistantships and Loans

<http://gradstudies.ucdavis.edu/support/studsup.htm>

Financial support for graduate study at UC Davis is available in several forms: teaching and research assistantships, financial aid and fellowships/scholarships.

Financial aid is awarded on the basis of demonstrated financial need and is administered by the Financial Aid Office. Federal financial aid includes student loans, grants and work-study funding. You may apply for financial aid before you have been admitted. To be considered for financial aid, or for any awards based on financial need, you must file a "Free Application for

GRADUATE STUDENT DEADLINES*

	Fall 2002	Winter 2003	Spring 2003	Summer 2003	Fall 2003	Winter 2004	Spring 2004
Deadline for students who expect to complete work for master's degrees to file applications for candidacy with the dean of Graduate Studies	Sept. 13	Jan. 3	Feb. 21	May 30	Sept. 12	Jan. 2	Feb. 20
Deadline for candidates for master's degrees to file theses with the dean of Graduate Studies	Dec. 2	Mar. 3	June 2	Sept. 1	Dec. 1	Mar. 1	June 1
Deadline for candidates for master's degrees to file final report on comprehensive examination with the dean of Graduate Studies	Dec. 14	Mar. 22	June 13	Sept. 12	Dec. 13	Mar. 24	June 17
Deadline for students who expect to complete work for the degrees of Doctor of Philosophy and Doctor of Engineering to file applications for candidacy with the dean of Graduate Studies	Sept. 13	Jan. 3	Feb. 21	May 30	Sept. 12	Jan. 2	Feb. 20
Deadline for candidates for the degrees of Doctor of Philosophy, Doctor of Education, and Doctor of Engineering to file dissertation with the dean of Graduate Studies	Dec. 2	Mar. 3	June 2	Sept. 1	Dec. 1	Mar. 1	June 1

* Deadlines are subject to change without notice.

Federal Student Aid" (FAFSA) at <http://www.fafsa.ed.gov> no later than March 1, prior to the fall quarter enrollment. This form, submitted directly to the Federal Student Aid Program Office, Iowa City, IA, is used to determine financial need only. Contact the Graduate Financial Aid Office for information regarding loans, grants and work-study.

Fellowships and graduate scholarships are awarded primarily on the basis of scholarship and promise of outstanding academic and professional achievement. Fellowship awards can include a stipend, fees and/or nonresident tuition. Considered in evaluations are the Graduate Record Examination (GRE) scores, undergraduate and graduate grade point averages, academic transcripts, statement of purpose, letters of recommendation and other documentation such as publications or awards. The minimum cumulative undergraduate or graduate grade point average required for a stipend or in-state fee award is 3.5 (A=4.0); for nonresident tuition fellowships the minimum is 3.25. U.S. citizens and permanent residents are eligible for nonresident tuition fellowships for their first three quarters only at UC Davis. New international students may be awarded nonresident tuition fellowships, but not stipend or in-state fee fellowships, in their first three quarters.

Applications for fellowships and graduate scholarships are due by **January 15** for awards beginning fall quarter. Information for both new and continuing students and application materials for fellowships and graduate scholarships are available at <http://gradstudies.ucdavis.edu/support/studsup.htm>. You may print the application forms, complete them and submit them by mail. The fellowship applications may not be submitted electronically. All students submit the "Internal Fellowship Application for New and Continuing Students" to their graduate programs.

Graduate Certificate Program for Engineers

For engineers who already have a degree, the College of Engineering offers a Graduate Certificate Program. This program consists of course work in selected engineering subjects and requires fewer units than the degree programs. The purpose of the Graduate Certificate Program is to provide practicing engineers with an opportunity to develop additional expertise in specific areas and to explore new fields of technical interest.

General requirements for the program are

- 15 or 16 units of specified graduate course work, or a combination of specified graduate and undergraduate course work
- Admission to Graduate Studies

Further information on the Graduate Certificate Program may be found in the *College of Engineering Bulletin*.

Teacher Credential Programs

School of Education
Teacher Education and Credential Services Office
2078 Academic Surge
530-752-0757; jgmacdonald@ucdavis.edu;
<http://education.ucdavis.edu>

College of Agricultural and Environmental Sciences
Agricultural Education Program
150 Mrak Hall
530-754-6249 or 752-4369; rrengel@ucdavis.edu

The School of Education offers programs for students interested in becoming elementary or secondary teachers. The elementary education program prepares you to teach all the subjects commonly taught in an elementary classroom. In addition, it offers the option of receiving in-depth training for teaching students who are English language learners (Spanish to English). The secondary education program is designed to prepare teachers who will work in grades 7 through 12 in the following areas:



Graduate groups combine the talent and skills of faculty and students from a variety of areas to offer specialties in interdepartmental subjects.





English, science (biology, chemistry, geoscience and physics), math and agricultural education.

To apply you need to have done the following:

- completed a bachelor's degree;
- completed most of the required course work in the area in which you want to teach, or have taken the PRAXIS and SSAT exams in the area in which you want to teach;
- taken the California Basic Education Skill Test (CBEST);
- worked with school-age children; and,
- met Graduate Studies minimum GPA requirement (3.0).

There are additional requirements that we encourage you to take as undergraduates. Information is available in the Student Services and Advising Office.

The teaching credential program starts in the fall quarter only and is nine months long. It is a full-time professional program with a rigorous schedule. Student teachers are in classrooms in the morning and early afternoon and back on campus in the afternoon and evening for course work. The student teaching assignments generally are in the following communities: Winters, Woodland, Dixon, Vacaville, Fairfield, Sacramento and West Sacramento. Student teachers are required to participate in the schools in the role of a regularly credentialed teacher. A typical course schedule follows:

- student teaching
- teaching methods courses (on how to teach your subject area(s) and grade level(s))
- reading methods course
- computer education course
- health education course
- special education course

Upon satisfactory completion of all requirements, you will be recommended to receive a California teaching credential.

Applications and filing deadlines should be obtained from the School of Education.

The teacher education program is also available to

upper division students who have a 3.3 GPA and room in their schedule for a full-time teaching program. Satisfactory completion of your degree and the credential program would entitle you to a nonrenewable **preliminary** credential. Within five years you must complete a graduate year of study to be eligible for an additional credential. Specific requirements may be obtained from the Student Services staff in the School of Education.

Students considering teaching as a career should consult the School of Education **as early as their freshman year**. Because of the complexity of the Teacher Preparation and Licensing Laws and the requirements of Davis campus programs, students are encouraged to maintain close contact with education advisers throughout their undergraduate years.

UC Davis/CSU Sacramento Collaborative Elementary Credential Program

The Collaborative Elementary Credential Program offers accelerated course work for the CLAD or BCLAD elementary credential during the summers; the supervised field experience is completed during the academic year. This program is designed to meet the needs of emergency credential holders and working professionals who are changing careers.

Seminar in College Teaching

Teaching Resources Center
17 Wellman Hall
530-752-6050; <http://trc.ucdavis.edu/trc/taprogs.html>

The Seminar in College Teaching introduces graduate students to the principles and methods of designing and delivering college-level instruction. The seminar deals with a broad range of skills and issues involved in helping college students learn, including classroom presentations, planning discussions, facilitating active learning, writing tests, evaluating student work and employing effective class management strategies.

Seminar participants meet weekly for a two-hour session. Participants also select and complete several assignments, such as developing a syllabus, preparing a lesson plan, practicing classroom presentations or writing a teaching philosophy statement. Readings from various sources complete the seminar experience.

Participants who attend every session and fulfill the required brief assignments in a satisfactory and timely manner receive a certificate of completion that is appropriate to note in a curriculum vitae.