

# Graduate Studies

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## Division of Graduate Studies

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## Graduate Studies

Students studying for advanced degrees at California State University, Fresno are a distinctive and valued part of the university. One in five Fresno State students is enrolled at a more advanced level as a postbaccalaureate or graduate student. More than 3,000 such students are enrolled in studies leading to a graduate degree at either the master's or doctoral level, or to the attainment of an advanced credential or a certificate of advanced study.

There are many reasons, both academic and personal, that have drawn these individuals to California State University, Fresno. Some have come in recognition of the excellence of the university's graduate programs, many of which are nationally recognized by external accrediting agencies. Others have been attracted by a sterling group of graduate faculty members who take seriously the requirement to be teacher-scholars and have garnered many awards in teaching and research. Other students have come because of the availability of outstanding facilities that encourage student research and professional development. The natural laboratories of the adjacent Sierra Nevada mountain range and the geography of the large central valley of California provide exciting dimensions for those interested in environmental and ecological research. Collaborative sites jointly operated with governmental agencies and other universities exist in areas such as biomedical research, marine sciences, engineering, agriculture, business, and education. With a campus focus on both applied and theoretical research, students can be more readily assured of an opportunity to match their interests with those of the faculty members.

The Madden Library holdings include one million volumes and nearly 2,600 periodicals and major collections in areas such as

music, maps, governmental documents, rare books, and curriculum materials. Library services, such as the interlibrary loan program and electronic database searches, ensure library support for students.

The university also has a history of attracting scholars from many areas of the world. These scholars may join the faculty or present special lectures, and often engage in joint research and publication efforts with Fresno State faculty. Through these scholars, graduate students are exposed to a significant network of nationally recognized colleagues.

## Administrative Organization

The Division of Graduate Studies includes all departments and academic units within the university that offer graduate courses and programs leading to advanced degrees. The chief administrative officer of the Division of Graduate Studies is the graduate dean, who has general responsibility for the development, planning, assessment, improvement, and administration of postbaccalaureate and graduate programs offered by the university. Within this charge, the division administers all graduate student record functions, including admissions, student academic progress, and evaluations; develops opportunities for providing student fellowships, scholarships, and assistantships; and provides support for research and professional scholarship activities for faculty and graduate students.

Housed within the Division of Graduate Studies are the special admission, program, and degree evaluators, and the thesis consultant. They advise both domestic and foreign students about the requirements and regulations for completion of a graduate degree and other special problems that may arise. Staff members in the division provide general information to graduate students.

The responsibilities of the Division of Graduate Studies are complex and decentralized to include the eight academic colleges and schools of the university and the departments within them housing the graduate programs offered by the campus. Each program has a graduate program coordinator who often serves as the initial point of contact for entering graduate students. The faculty members in the department who constitute the graduate faculty group have initial responsibility for the quality and scheduling of courses (including special topics) and the preparation of course syllabi, examinations, projects, and theses.

As a member of the graduate faculty, the major professor/adviser for a student is responsible for guiding the student in selecting appropriate courses, research problems, and professional experiences. Moreover, the major professor/adviser is important as both a colleague and mentor in facilitating the intellectual development and maturation of the student within the discipline.

The chief consultative body responsible for formulating and recommending policies, standards, and procedures is the university's Graduate Committee. This committee is composed of eight faculty members elected by the faculty, one graduate student member, and the graduate dean.

## The Graduate Student Body

The Division of Graduate Studies is proud of the diversity of its graduate student body. Graduate students come from a variety of ethnic, racial, and age groups, and represent many nationalities and countries throughout the world. They present a mosaic of personal values, beliefs, and experiences that enrich the dialogue of campus conversations. Whether these students are recent graduates of bachelor's degree programs or are returning students, they constitute a dynamic group on campus. The diversity of the student body thus presents a very special opportunity for all part-time and full-time graduate students to establish a vast, collegial network.

For those students who make up the graduate student body, success in the pursuit of a graduate degree depends upon active cooperation with their faculty advisers and instructors. Graduate students are expected to develop the ability to critically seek out and analyze facts, sift evidence, master theories and advanced techniques of professional inquiry, and demonstrate these abilities orally and in writing. Moreover, they must risk giving their informed opinions and be ready to accept criticism and advice rendered by faculty mentors and student colleagues. The pursuit of an advanced degree also requires that participants demonstrate an essential degree of independence and self-motivation in acquiring knowledge in their field of study. The rewards for those who succeed are many, as evidenced by the rapidly growing number of individuals nationwide who earn a graduate degree. Currently, more than 406,000 master's degrees and 45,000 doctoral degrees are awarded annually in the United States.

## Graduate Degrees and Programs

There is great variety in the nature and scope of the graduate programs, options, concentrations, and emphases available at California State University, Fresno. Those that are officially recognized and for which the university is authorized to confer a degree are listed in the section that follows. Additional areas of specialization, although not officially recognized on transcripts or diplomas, may be obtained through selection of appropriate elective courses.

## Master's Degrees and Authorized Options

Accountancy, M.S.  
 Animal Science, M.S.  
 Art, M.A.  
 Biology, M.S.  
 Biotechnology, M.Bt.  
 Business Administration, M.B.A.  
 Chemistry, M.S.  
 Civil Engineering, M.S.  
 Communication, M.A.  
 Communicative Disorders, M.A.  
     Deaf Education  
     Speech-Language Pathology  
 Computer Science, M.S.  
 Counseling, M.S.  
     Counseling and Student Services  
     Marriage and Family Therapy  
 Creative Writing, M.F.A.  
 Criminology, M.S.  
 Education, M.A.  
     Administration and Supervision  
     Curriculum and Instruction  
     Early Childhood  
     Reading/Language Arts  
 Engineering, M.S.  
     Electrical Engineering  
     Mechanical Engineering  
 English, M.A.  
     Composition Theory  
     Literature  
 Family and Consumer Sciences, M.S.\*\*  
 Food and Nutritional Sciences, M.S.  
 Geology, M.S.  
 History, M.A.  
 Industrial Technology, M.S.  
 International Relations, M.A.  
 Interdisciplinary Studies, M.A., M.S.

Kinesiology, M.A.\*  
     Exercise Science  
     Sport Psychology  
 Linguistics, M.A.\*  
     Teaching English  
     as a Second Language  
 Marine Science, M.S.  
 Mass Communication and Journalism, M.A.  
 Mathematics, M.A.\*  
     Teaching  
 Music, M.A.  
     Music Education  
     Performance  
 Nursing, M.S.  
     Clinical Nurse Specialist/  
     Nurse Educator  
     Primary Care/Nurse Practitioner  
 Physical Therapy, M.P.T.  
 Physics, M.S.  
 Plant Science, M.S.  
 Psychology, M.A.\*\*  
 M.S.  
 Public Administration, M.P.A.  
 Public Health, M.P.H.  
     Health Administration\*\*\*  
     Health Promotion  
 Rehabilitation Counseling, M.S.  
 Social Work, M.S.W.  
 Spanish, M.A.  
 Special Education, M.A.  
 Teaching, M.A.  
 Viticulture and Enology, M.S.  
 Doctoral Degree  
 Educational Leadership, Ed.D.

## Certificates of Advanced Study

- Biotechnology
- Composition
- Criminal Justice Counseling Specialist
- Dietetics
- Educational Technology
- Interprofessional Collaboration
- Teaching English to Speakers of Other Languages (TESOL)

\* In these programs, a student may earn a degree without also declaring an option.  
 \*\* Pending university approval, an option in Applied Behavior Analysis will be available within the M.A. in Psychology degree program in 2006-2007. Please contact the department for more information.  
 \*\*\* Pending university approval, the Health Administration option within the Master in

Public Health will be replaced by an option in Health Policy and Management in 2006-2007. Please contact the department for more information.

## Financial Aid, Fellowships and Scholarships

In addition to the information found in the Financial Aid section of this catalog, the Division of Graduate Studies publishes a sourcebook, "Financial Assistance for the Graduate Student," on opportunities for funding graduate students. This is available on our Web site at [www.csufresno.edu/gradstudies](http://www.csufresno.edu/gradstudies) at our "e-Pubs" link.

## Teaching Associateships and Graduate Assistantships

A number of teaching associateships and graduate assistantships are available to graduate students who are enrolled in master's degree programs and whose previous records show outstanding achievement in academic work, outstanding subject matter competence in their major fields, and the special qualities necessary to the duties assigned.

Eligibility for an initial associateship or assistantship appointment requires possession of a baccalaureate degree and admission to the master's degree program that gives the nomination, with at least conditional classified graduate status. Subsequent appointments require that students maintain a 3.0 GPA, be enrolled in coursework toward their graduate degree, and demonstrate satisfactory progress toward completion of their graduate degree.

Assistants work under the direction of an assigned faculty member and assist in such functions as the supervision of laboratories or other small groups, the evaluation of student work, the preparation of course materials, or the conduct of authorized research. Assistants receive a stipend ranging from \$2,000 to \$5,500 per semester. For specific information, write to the chair of the major department.

## Graduate Student Research Awards\*

Limited awards of \$750 are available each fall and spring semesters on a competitive basis to students in any academic area in the form of grants for special merit and quality scholarship of graduate student re-

\* Application/nomination forms are available at [www.csufresno.edu/gradstudies](http://www.csufresno.edu/gradstudies) under the "Financial Aid" link, then "Financial Opportunities through the Division of Graduate Studies."

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search proposals associated with a thesis or project. For further information, contact the Division of Graduate Studies, 559.278.2448.

### Graduate Student Travel Grants\*

Travel grants are available to graduate students who have had papers and/or posters accepted for presentation at major, professional conferences or society meetings. For further information, contact the Division of Graduate Studies, 559.278.2448.

### California Graduate Equity Fellowship Program\*

Fellowships ranging in amounts of up to \$4,500 are available for underrepresented graduate students who qualify. The California Graduate Equity Fellowship Program seeks to increase the diversity of students completing graduate degree programs at California State University, Fresno and encourages continuation to doctoral programs and consideration of university faculty careers. It provides fellowships for economically disadvantaged graduate students (especially those from groups that are underrepresented among graduate degree recipients in their areas of study) and promotes faculty mentoring and research opportunities. Filing deadlines are in the spring for funding in the following academic year. Additional information may be obtained from the Division of Graduate Studies, 559.278.2448.

### Robert and Norma Craig Fellowship\*

These fellowships, awarding student stipends of \$1,000 each, provide benefits for both graduate students and faculty. Eligible projects will include such mentored activities as research, instructional assistance, or other faculty-assigned duties. Nominations are due at the announced fall deadline, and must be jointly developed by the faculty member and the graduate student(s).

### California Pre-Doctoral Program for Undergraduate and Graduate Students\*

The California Pre-Doctoral Program is designed to increase the pool of potential faculty by supporting the doctoral aspirations of California State University stu-

\* Application/nomination forms are available at [www.csufresno.edu/gradstudies](http://www.csufresno.edu/gradstudies) under the "Financial Aid" link, then "Financial Opportunities through the Division of Graduate Studies."

dents who have experienced economic and educational disadvantages. The program provides travel funds for qualified students to visit institutions that grant the doctorate and/or attend professional meetings with a faculty sponsor. Students in the program may also be considered to participate in a summer research program at a UC or CSU campus. Additional information is available through the Division of Graduate Studies.

### University Scholarships for Graduate Students

Scholarship applications and information for postbaccalaureate/graduate students for the fall 2005-spring 2006 academic year will only be available and accepted online. Students may log on to <http://studentaffairs.csufresno.edu/scholarships> and click on **Scholarship Application**.

The "priority application" period for "full consideration" of scholarship opportunities has been established as September 1, 2005 through November 30, 2005; however, the application will remain on-line until May 31, 2006. This gives late applicants the opportunity to submit an application to be considered for unused scholarship funds.

In addition, each year Fresno State also awards entering graduate students two President's Graduate Scholars Fellowships of \$3,500 each. President's Graduate Scholars may obtain a second year of funding if satisfactory progress is maintained.

### Definition of Full-Time Student

Depending on the use of the term, there are several definitions of full time. *For the purpose of reporting enrollments*, graduate students taking 9 or more units are considered full time and students taking less than 9 units are considered part time.

*For the purpose of financial aid* (loans, veteran's assistance, etc.), a full-time student takes 12 "equivalent units" wherein each graduate unit (200-level) attempted by a graduate student is considered as 1.5 units and each undergraduate unit (100-level or below) counts at face value. For example, a student enrolled for eight 200-level units would be considered a full-time student. Three-quarter time and half-time are defined to be 9 to 11½ and 6 to 8½ "equivalent units," respectively.

Under certain circumstances, a student enrolled in Graduate Studies Continuation (zero units) to complete requirements for the master's degree (including Thesis 299,

Project 298, and the Comprehensive Examination) may qualify for full-time status or a fraction thereof. The Graduate Division will verify the student's appropriate status in such cases through his or her major adviser upon request from the student.

**Requirement for full-time enrollment for international students.** The United States Office of Homeland Security (OHS) requires international students on non-immigrant F-1 and J-1 visas to pursue full-time study in a specific program for each semester of enrollment. Full-time study includes 12 weighted academic units of approved prerequisite, corequisite, or graduate program courses. (**Note:** Graduate 200-series courses have weighting factor of 1.5 per course unit.)

- Using the definitions for full-time student status, international graduate students are advised to work closely with their faculty adviser to plan a program of full-time study for each semester of enrollment.
- Graduate program coordinators should not admit international students to their programs in those instances in which a sufficient number of courses are not expected to be available during each semester of enrollment in the program.

### Maximum Study Load

Graduate courses require substantially more concentrated study than do undergraduate courses. A normal load is from 9 to 12 units, and the maximum allowable load is 16 units for full-time master's degree students when one or more courses in the 200 series are included. Requests for exceptions to this policy must be addressed to the Graduate Division on a graduate student petition for academic overload during registration. The form is available online at [www.csufresno.edu/gradstudies](http://www.csufresno.edu/gradstudies) under the "Forms" link, then "Enrollment/Registration." Students employed full time may take a maximum of 6 units. For maximum units during the summer session, see the *Summer Session Catalog*.

### Application for Graduate/Postbaccalaureate Admission

Students are encouraged to plan and apply for graduate admission as early as possible. Completed applications are considered as they are received and thus there are many benefits to applying early. For example, it is often the case that available financial awards such as teaching assistantships and other financial aid resources, which are limited in

number, may be granted only to the early applicants. Be aware, too, that a decision on an incomplete application is likely to be delayed. In many instances this occurs when supporting documents such as official transcripts, scores from standardized tests (GRE, GMAT, MAT), portfolios of writing samples, letters of recommendation, etc. are not received. Applicants are advised to ensure that these materials are requested and forwarded prior to or at the same time as the submission of their application. The University Admissions-Graduate/Postbaccalaureate Office (located in Joyal Administration Building, Room 121) keeps a record of all applications during the time they are being considered and may be consulted at 559.278.4073. For information on the status of an application, students may access the university portal at MyFresnoState, [my.csufresno.edu](http://my.csufresno.edu). Prospective master's, credential, and advanced certificate students apply to the university online at <http://csumentor.edu> using the Graduate and Postbaccalaureate Application. Students are also referred to the admission requirements described for each graduate degree, credential, or advanced certificate program elsewhere in this catalog. Those interested in a second undergraduate degree should also apply through <http://csumentor.edu> using the Graduate Postbaccalaureate Application.

**Limitation of Graduate Enrollment**

Admission to postbaccalaureate/graduate studies must be restricted to the number of students for whom an effective education can be provided by staff, facilities, and funding available at California State University, Fresno. The university may limit postbaccalaureate/graduate enrollment on the basis of the academic field and the relative aptitude of the applicant, based on approved admissions criteria.

**University Admission**

Graduate and postbaccalaureate applicants may apply for a degree objective, a credential, or certificate objective. Depending on the objective, the CSU will consider an application for admission as follows:

**General Requirements** – The minimum university requirements for admission to graduate and postbaccalaureate studies at a California State University campus are in accordance with university regulations as well as Title V, chapter 1, subchapter 3 of the California Code of Regulations. Specifically, at the time of enrollment, a student shall (1) have completed a four-year college course of study and hold an accept-

able baccalaureate degree from an institution accredited by a regional accrediting association, or have completed equivalent academic preparation as determined by appropriate campus authorities; (2) be in good academic standing at the last college or university attended; (3) have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; and (4) satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe. In unusual circumstances, a campus may make exceptions to these criteria.

Students who meet the minimum requirements for graduate and postbaccalaureate studies will be considered for admission in one of the three following categories:

**Postbaccalaureate Classified** – If you wish to enroll in a credential or certificate program, you will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or

**Graduate Conditionally Classified** – You may be admitted to a graduate degree program in this category if, in the opinion of appropriate campus authority, you can remedy deficiencies by additional preparation; or

**Graduate Classified** – To pursue a graduate degree, you will be required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus.

**Postbaccalaureate Standing**

**Admission to Postbaccalaureate Standing: Classified.** Students admitted to the university as postbaccalaureate classified students have satisfied additional professional, personal, scholastic, and other standards — including qualifying examinations — prescribed by the campus, and may enroll in a particular postbaccalaureate credential or certificate program. Admission to postbaccalaureate classified standing does not constitute admission to or consideration for admission to a graduate degree program, to a credential, or to a certificate program.

**Admission to Graduate Degree Programs with Graduate Standing**

Admission to graduate standing is the responsibility of the graduate program. Students admitted to graduate standing have met the general requirements for university admission and the additional require-

ments and standards of the specific graduate program to which they are applying. These requirements include academic preparation, evidence of scholarly and professional ability (standardized test scores and letters of recommendation), personal statement, and other requirements as described for each program in the appropriate section of this catalog. Some graduate programs require a separate application in addition to the university application to graduate and postbaccalaureate admission. ([www.csumentor.edu](http://www.csumentor.edu)) Please submit all additional graduation program application materials directly to the graduate program of choice.

**Standardized Test Requirements**

All applicants to a master's degree and advanced certificate programs are required to submit appropriate admission test scores with the university Application to Graduate/Postbaccalaureate Studies. Admission will require submission of scores on the Graduate Record Examination (GRE) General Test, or for business students, the Graduate Management Admission Test (GMAT).

Applicants for admission to the MPA program may submit either GRE or GMAT scores. Applicants to master's degree programs in the Kremen School of Education and Human Development may submit either GRE or Miller Analogies Test (MAT) scores. GMAT information is available in the Craig School of Business Graduate Office in the Peters Building, Room 183. Applications and information concerning the GRE as well as the MAT and GMAT are available through the Testing Office in the Family and Food Sciences Building, Room 110.

The University Graduate Committee has established a standardized test score requirement for all applicants to provide a significant basis of comparison to national educational standards and to ensure the admission of highly qualified students to graduate degree programs. It should be noted that an applicant's standardized test scores will not constitute the sole criterion according to which an admissions decision will be rendered, as noted in a previous paragraph. However, some departments, particularly in the sciences, may give more importance to standardized test scores than departments in other fields.

Applicants to the joint doctoral program in Educational Leadership (Ed.D.) are required to submit official scores of the Graduate Record Examination (GRE) General Test or the Miller Analogies Test (MAT). For other requirements, contact the California

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State University, Fresno/University of California Davis Joint Doctoral Program.

All applicants are admitted to a graduate program through conditional or classified standing as follows.

**Graduate Program Admission: Conditional Classified Status.** Students may be admitted to a graduate degree program in this category if, in the opinion of the appropriate campus authority, the student can remedy deficiencies by additional preparation, including the completion of pre-requisite requirements.

**Note:** Students who have been granted conditionally classified admission to a graduate program are required to complete all conditions for achieving classified status (full admission) to the program by the semester in which a maximum of 10 units to be used toward the master's degree is completed. In programs of 60 units, except counseling and rehabilitation counseling, classification must occur prior to the completion of 20 units. Failure to attain classified graduate standing in a timely manner as outlined in this catalog may result in the loss of units to be applied toward the degree since excess units may not be listed on the Petition of Advancement to Candidacy.

A student is expected to attain classified graduate standing either at admission or during the first semester of studies. Candidates for classification are expected to possess a 3.0 or better grade point average in coursework undertaken for use toward the master's degree.

**Graduate Program Admission: Classified Graduate Standing.** This category is granted to those students who fully meet all admission requirements of the Division of Graduate Studies. It enables the student to pursue a graduate degree and fulfill all of the professional, personal, scholastic, and other standards — including qualifying examinations — prescribed by the campus.

Only those applicants who show promise of success and fitness will be admitted to master's degree curricula, and only those who continue to demonstrate a satisfactory level of scholastic competence and fitness shall be eligible to proceed in such curricula. (See also *Grade Requirements*.)

### Change of Graduate Degree Objective

Postbaccalaureate/graduate students who intend to change their major or degree objective or add a second objective must complete and file a Change of Graduate Degree Objective, which includes a fee payable at the cashier's window in the Joyal Administration Building. These students must meet the admissions requirements of the new program. The application for Add or Change Graduate Degree or Certificate of Advanced Study objective is available in the Division of Graduate Studies, Thomas Administration Building, Room 132.

### Second Master's Degree

Students planning to engage in study toward a second master's degree must obtain prior approval from the graduate dean. Students may not earn a second master's degree in the same field. Coursework used to satisfy the requirements of one degree may not be used to satisfy the requirements of the second degree. Students may not be awarded two degrees in the same degree-granting period or term.

### Double Major Objectives

Those graduate/postbaccalaureate students pursuing more than one objective (i.e., two graduate degrees) must notify the Division of Graduate Studies so that appropriate student standing may be noted with departments concerned.

### Certificate of Advanced Study

A Certificate of Advanced Study may be earned in a limited number of approved, nondegree programs. Such programs provide useful coursework and professional experiences that emphasize the acquisition of advanced technical skills of a practical, applied nature. For a current list of such programs, consult the Division of Graduate Studies, 559.278.2448. Applicants to a Certificate of Advanced Study program must meet the specific admission requirements of the individual program and the university. These include admission to postbaccalaureate standing and the submission of relevant test scores.

*A Proposed Program for the Certificate of Advanced Study form must be on file in the Division of Graduate Studies office immediately following completion of the first semester/term of certificate coursework. The submission of the proposed program is important because it gives a student permission to proceed toward qualifying for the advanced certificate, and approval*

of the program is required for a student to remain in good standing. Proposed program forms are available in the Division of Graduate Studies Office, Thomas Administration Building, Room 132.

With prior approval, those pursuing study toward a master's degree may also pursue study toward a Certificate of Advanced Study. Double-counting of units on the certificate and on the graduate program, though limited, is possible. Those whose sole objective is the earning of the Certificate of Advanced Study are ineligible to receive graduate assistantships, fellowships, and other awards designed for those pursuing a graduate degree. The Application for the Award of the Certificate of Advanced Study form must be on file in the Division of Graduate Studies within the first two weeks of the term in which all courses and requirements are expected to be completed. The applications for the awarding of the certificate are available in the Division of Graduate Studies, Thomas Administration Building, Room 132. Upon clearance of the advanced certificate, a notation that the certificate has been awarded will be posted to the student's official transcript.

For more detailed information regarding advanced certificate program eligibility, course guidelines/limitations, required grades, etc., contact the Division of Graduate Studies or the appropriate certificate program coordinator for the "Guidelines for the Certificate of Advanced Study (CAS)" form.

### Second Bachelor's Degree

Postbaccalaureate students interested in pursuing a second bachelor's degree or a second undergraduate major should read the relevant portion of the university catalog (*Second Baccalaureate* and/or *Second Major*) and contact the appropriate academic department. Students may apply to pursue a second bachelor's degree through [www.csumentor.edu](http://www.csumentor.edu) using the Graduate Postbaccalaureate Application.

### Prohibition Against Double Counting of Coursework

No units used to fulfill the requirements of one degree may be used to fulfill the requirements of another degree. For example, 100-series courses used toward a bachelor's degree may not be subsequently used toward a master's degree.

### Repetition of Courses

A postbaccalaureate student pursuing a graduate degree or certificate of advanced study may repeat a course for academic credit (subject to limitations in some degree curricula) regardless of what grade was originally earned in the course. However, such a student is not eligible to petition for grade substitution. All coursework taken, beginning with the first term of the student's master's degree program, is used in determining the student's grade point average and graduation eligibility.

### International Student Admissions

The Division of Graduate Studies seeks to bring students from all parts of the world to the campus. Since English is the language of instruction at the university, students should be prepared to write their theses, examinations, and seminar papers in English. Applicants whose native language is not English must have acquired competence in the English language prior to enrolling in a graduate program or prerequisite courses in order to avoid any delay or difficulty in pursuing their studies.

### Graduate and Postbaccalaureate TOEFL Requirement

All graduate and postbaccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those applicants must receive a minimum score of 550 (for the paper-based test) and 213 (for the computer-based test) on the Test of English as a Foreign Language (TOEFL). Some graduate programs may require a higher score. Applicants to the English program must attain a score of 600 (on the paper-based test) or 250 (on the computer-based test).

Some CSU campuses may use alternative methods for assessing fluency in English.

It is highly recommended that TOEFL scores, Graduate Record Examination General Test scores, application, and official academic documents reach the university International Admissions Office at least six months before the semester for which admission is desired. Applicants to the MBA program must submit Graduate Management Admissions Test scores; applicants to the MPA program may submit either GMAT or GRE scores.

The TOEFL is administered at various centers throughout the world. For further information about the TOEFL, write or phone the educational attaché at the nearest U.S. embassy or consulate office or write to the following address:

**Office of Testing Services**  
California State University, Fresno  
5300 Campus Drive M/S FF63  
Family/Food Sciences Building  
Fresno, CA 93740-8019  
U.S.A.

Requests for applications for international postbaccalaureate/graduate admission should be directed to:

**International Student Services and Programs**  
California State University, Fresno  
5150 North Maple Avenue M/S JA56  
Fresno, CA 93740-8026  
U.S.A.

During the first semester at California State University, Fresno, foreign graduate students whose native language is not English may be required to enroll in special courses in English to help improve writing skills and to provide the greatest possibility of success in graduate studies.

### Advancement to Candidacy: Eligibility

Classified graduate standing gives a student permission to work toward qualifying for candidacy. Advancement to candidacy gives a student permission to proceed toward qualifying for the degree and provides the student with a program of study that has been officially reviewed and approved by both the student's faculty and by the Graduate Dean. This important step confers on the student the status of candidate for the degree and represents a commitment both on the part of the student and the degree program to complete the degree within a specified time limit according to requirements published in a specific university catalog year. Advancement to candidacy is essential to the student in planning for registration in courses. The student should therefore meet with his/her graduate program coordinator soon after attaining classified graduate standing to discuss advancement to candidacy. (See also *Petition of Advancement to Candidacy*.)

Advancement to candidacy must be attained no later than the semester (or summer) preceding the semester (or summer) in which the student applies for the master's degree. Campus policy requires a student to petition for advancement to candidacy

as soon as he/she becomes eligible to do so. Normally, this should occur within one semester of having attained classified graduate standing. Compliance with this policy is necessary for a student to remain in good standing. All students in graduate standing must also demonstrate a satisfactory level of scholastic, professional, and ethical competence as determined by program faculty to be eligible to continue in the graduate program. Eligibility requirements for advancement to candidacy include the following:

1. **Classified Graduate Standing.** A student should be classified by the semester in which a maximum of 10 units to be used toward the master's degree are completed. Not more than 10 units (including transfer and postbaccalaureate credit) completed before achieving full classified graduate standing at California State University, Fresno may be listed on the Petition of Advancement to Candidacy. Courses taken during the semester in which the student is classified may also be listed on the Petition of Advancement to Candidacy.
2. Completion of any additional prerequisites which the adviser specifies in writing.
3. If required, satisfactory completion of the Graduate Record Examination Subject Test or departmental qualifying examination. The Graduate Record Examination Subject Test (GRE) in the major field is required of students working toward the and the Master of Science in physics. A departmental qualifying examination is required in art, civil engineering, kinesiology, linguistics, mathematics, plant science, Spanish, and viticulture and enology.
4. Completion of the foreign language requirement, as appropriate to the program.
5. A minimum grade point average of 3.0 (for both the overall program and courses taken at California State University, Fresno) on all upper-division and graduate coursework from the date of embarking on the first course of the proposed master's degree program. (See also *Grade Requirements*.) Those enrolling in coursework not related to the graduate degree are encouraged to request *CR/NC* grading.
6. Completion in graduate standing at California State University, Fresno of at least 9 units of the proposed program with a 3.0 grade point average on all completed work appearing on the Petition of Advancement to Candidacy.

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7. All graduate students must demonstrate their competence in written English prior to advancement to candidacy. Early completion of this requirement is recommended. The department will note on the Petition of Advancement to Candidacy form the date the student met the writing skills requirement. See approved program requirements.
8. Submission to the Division of Graduate Studies of the properly signed Petition of Advancement to Candidacy. Petition forms are available in the Division of Graduate Studies office, and online at [www.csufresno.edu/gradstudies](http://www.csufresno.edu/gradstudies) under the "Forms" link. In making this recommendation, the department takes into account professional and personal standards as well as scholastic achievement as revealed by grades and performance on examinations. The student is responsible for ensuring that the adviser has sufficient information other than grades and scores on which to make this recommendation. On this petition form the student, in consultation with his or her adviser, lists the coherent set of courses which, when approved, will constitute his or her degree program. The student is responsible for adhering to deadlines established by the Graduate Division for the submission of advancement forms. Approximate deadlines are October 1 (for spring graduation) and March 1 (for summer or fall graduation). Forms received after the deadlines are considered late and will be processed as time allows. Students cannot be advanced to candidacy and graduate in the same semester.

### Foreign Language Requirement

For advancement to candidacy, demonstration of competence, usually equivalent to that achieved through two years of collegiate study of one foreign language, is required in specified majors in which upper-division and graduate courses demand such competence.

Competence in the use of a foreign language is required for advancement to candidacy for the Master of Arts degree in English, History, and Music (vocal performance and choral conducting only), and the M.F.A. in Creative Writing. The foreign language requirement for the M.A. in International Relations is a prerequisite for graduation rather than advancement to candidacy. Ordinarily, the requirement calls for demonstration of the ability to read materials of the major in one appropriate foreign language. Geology, however, specifies that a student doing a thesis involving

a foreign country must have a reading knowledge of the language of that country. Consult your graduate adviser or the chair of the Modern and Classical Languages and Literatures Department for information about placement tests.

### Advancement to Candidacy: Policies

The approved degree program for the master's degree is a coherent pattern of (1) specific requirements for the program and (2) additional courses selected to meet the student's particular needs. It consists of at least 30 units which must be completed within five years just preceding the granting of the master's degree. Only graduate courses (200 series) and such upper-division courses (100 series) as are recommended by the colleges, schools, or departments and approved by the University Graduate Committee are acceptable on the unit requirement. Other courses are counted in calculating the student's study load and overall GPA, but cannot be counted toward the unit requirement for the master's degree. Courses that were used to satisfy the requirements of a previous degree may not be used on the program. The approved program must be consistent with the following policies:

1. At least 21 units of a 30-unit program must be residence credit (courses taken through regular enrollment at California State University, Fresno). No more than 9 units of transfer and/or California State University, Fresno Extension credit may be included in the 30-unit program, or no more than 18 units in the 60 unit program.
2. Transfer credit may be used toward a California State University, Fresno master's degree only if the institution offering the work is accredited (A-rated) and would accept it for a comparable master's degree program. The off-campus institution must also have listed the units as postbaccalaureate graduate units on the student's transcript. Credit at California State University, Fresno will be granted if it is judged by appropriate university authorities to be particularly relevant to the individual student's program. The student must present appropriate documentation, including official transcripts of work completed and xerographic copies from the catalog of the institution where the transfer work was taken, as follows: the relevant course description(s), evidence that the course(s) may be used toward a gradu-

ate degree at that institution, the course numbering and grading systems, and information clarifying whether the institution used the semester or quarter system. Coursework from an institution outside of the U.S.A. is not permitted for use toward a master's degree unless it is part of the International Studies Abroad program.

3. Courses taken through the Division of Extended Education (Extension and/or Open University) are not normally used to fulfill the requirements toward a master's degree. Students intending to take a course through the Extension Division must request special permission from their Graduate Program coordinator to use the course toward their program. If approved, a maximum of 9 transfer (including California State University, Fresno Extension and/or Open University) units may be used on a 30-unit program. Students may not enroll through Open University in order to bypass the university fee structure.
4. Courses used to fulfill G.E. curriculum (Capstone, Integration, or Multicultural/International), undergraduate writing "W" courses, lower-division courses, and 300-level courses may not be used in fulfillment of the program requirements of the master's degree.
5. Student teaching credit is not ordinarily used on master's degree programs. In unusual circumstances, if student teaching is demonstrably appropriate to a program, up to 3 units of such work may be approved by the University Graduate Committee.
6. Credit by Examination (CBE) may be used to fulfill prerequisites, but may not apply toward the master's degree program.
7. Graduate students may not elect to take a course for a *CR* grade to fulfill either prerequisite or major program requirements unless the course is only available for *CR/NC* grading as indicated by footnote 14 in the Class Schedule. A maximum of 6 units of *CR*-graded coursework may be applied to a 30-unit master's degree program and a maximum of 12 units of *CR*-graded coursework may be applied to a 60-unit program. Some departments allow no *CR*-graded courses to be counted toward fulfillment of their degree requirements.
8. With approval of the graduate program coordinator, postbaccalaureate/graduate credit allowed for work taken prior

to the granting of the baccalaureate degree may be applied toward a master's degree. However, the amount of post-baccalaureate credit used toward the master's degree may not exceed one-third of the student's entire approved program. (See *Postbaccalaureate Credit*.)

9. Courses may not be included on the advancement to candidacy petition if they do not fall within the 5-year limit for the completion of all master's degree requirements.
10. Refer to catalog section concerning Independent Study.
11. A minimum of 70 percent of the courses in a student's program for the master's degree must be graduate-level courses numbered in the 200 series. Most programs require more than the minimum.
12. Substitutions for regular departmental requirements must be listed on the advancement petition.

### Program Adjustments

It is the student's responsibility to complete the specific courses listed on his or her Petition of Advancement to Candidacy (master's program) or the Proposed Program for the Certificate of Advanced Study (advanced certificate program). Once a program has been approved by the University Graduate Committee, it may be changed only on the written request of the student and his or her graduate program adviser (if required) and coordinator/director, and with the approval of the dean, Division of Graduate Studies. Program Adjustment Request forms for master's and certificate programs are available in the Division of Graduate Studies Office.

### Culminating Experience

A culminating experience is required for each master's degree. Acceptable culminating experiences include thesis (299), project (298), or comprehensive examination. Individual departments permit one or more culminating experiences described in this section. Students who have enrolled in thesis or project units will not be permitted to change to another culminating experience after the initial semester of such enrollment.

1. A thesis is the written product of the systematic study of a significant problem. It clearly identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommenda-

tion. The finished product must evidence originality, critical and independent thinking, appropriate organization and format, clarity of purpose, and accurate and thorough documentation. Normally, an oral defense of the thesis will be required.

2. A project is a significant undertaking of a pursuit appropriate to the fine and applied arts or to professional fields. It must evidence originality and independent thinking, appropriate form and organization, and a rationale. It must be described and summarized in a written abstract that includes the project's significance, objectives, methodology, and a conclusion or recommendation. An oral defense of the project may be required.
3. A comprehensive examination is an assessment of the student's ability to integrate the knowledge of the area, show critical and independent thinking, and demonstrate mastery of the subject matter. The results of the examination must evidence independent thinking, appropriate organization, critical analysis, and accuracy of documentation. A record of the examination questions and responses shall be maintained.

### Criteria for Thesis and Project

No academic distinction is made between a thesis and a project. Either one is equally acceptable as a means of fulfilling the requirements for the master's degree. Specific departmental instructions or requirements should, however, be ascertained by the candidate before enrollment in courses 298 or 299. The instructor of record for thesis or project must issue a letter grade on the Master's Degree Clearance form through the Division of Graduate Studies.

Whether a student is preparing a thesis or a project, it should be noted that quality of work accomplished is a major consideration in judging acceptability. The finished project must evidence originality, appropriate organization, clarity of purpose, critical analysis, and accuracy and completeness of documentation where needed.

Critical and independent thinking should characterize every project. Mere description, cataloging, compilation, and other superficial procedures are not adequate.

The quality of writing, format, and documentation must meet standards appropriate for publication in the scholarly journals of the field, or be consistent with the dictates of an authorized stylebook.

1. To be eligible to enroll in thesis or project units, students must have
  - a. been advanced to candidacy for the master's degree;
  - b. maintained a *B* (3.0) overall, Fresno State and program grade point average;
  - c. completed at least 9 units of their approved program on the Fresno campus;
  - d. completed any course in research techniques required by their major department;
  - e. for the thesis, secured a committee (a chair and at least two other members); for the project, met individual departmental requirements; and
  - f. for the thesis, secured approval of their thesis plan from the division or department graduate committee and filed an official thesis committee assignment form with the Division of Graduate Studies.
2. Enrollment in thesis units may be processed any semester after the requirements listed in [1a] through [1f] have been met or special permission for exceptions has been granted. If, however, a student fails to enroll within one semester (excluding summer sessions) after his or her official acceptance by a thesis committee, the committee chair has the option of dissolving the committee, in which case a new committee must be appointed and new forms filed before registration can be processed. A student planning to register for thesis after a break in regular session attendance must be readmitted to the university. Parallel rules apply to project enrollment.
3. Students who plan to extend their thesis work over more than the semester in which they first enroll may select one of the following options (with the approval of their graduate adviser): (a) register in 299 each term they are working on the thesis with the number of units for each registration reduced so that the total number of units accumulated in 299 does not exceed the limit set by the department; (b) register for the total number of units of 299 in one semester and complete work in subsequent semesters under Graduate Studies Continuation, or GS 299C (regular enrollment) a zero-unit course required for enrollment purposes; (c) option "a" supplemented by GS Continuation or GS 299C when the maximum number of units is attained with the thesis still incomplete.

- (See *Continuous Enrollment*.) Note that students enrolled in regular session coursework for a letter grade are not required to enroll in Graduate Studies Continuation. Parallel rules apply to project students.
- If work in 299 is not completed at the end of the term of registration, but is progressing satisfactorily, an *RP* (Report in Progress) grade is recorded. If the *RP* grade is not replaced within two years by a letter grade, the department may require the student to re-register for the course.
  - The student and the thesis chair should set a deadline for completion of the final draft. This date should be early enough that the chair and the other members of the committee can clear the draft before the student must meet the thesis submission deadline established by the dean of the Division of Graduate Studies. The latter deadlines are approximately November 1 (fall), April 1 (spring), and July 1 (summer).
  - Before a thesis is officially accepted by the Graduate Division, it must meet Graduate Division criteria on matters of format, documentation, and quality of writing. The final draft, signed by the thesis committee members as acceptable in content and form, should be submitted to the office of the Division of Graduate Studies by the established deadline (see item 5 above). This deadline has been set as late as possible in the semester to accommodate the student; late manuscripts will be accepted, but the student runs the risk of a delay in the granting of the degree and may be requested to reapply for the degree to be granted in a subsequent semester (or summer term). Students are urged to follow meticulously the *Guidelines for Thesis Preparation* available in the Kennel Bookstore.
  - The final publication copy of the thesis (an original for microfilming and two photocopies), signed by the thesis committee and ready for binding, together with a receipt for the binding and microfilming fee (payable to the California State University, Fresno Kennel Bookstore Print and Copy Center), must be submitted to the office of the Division of Graduate Studies before the last day assigned by the thesis consultant. If printed on acid-free, 20# paper and with payment of the required fee, the original copy may be bound with the other copies ordered for the student's personal use.
  - Doctoral students should obtain dissertation guidelines from the degree program office.

### **Thesis or Project Research Involving Human Subjects and Animal Subjects**

Students conducting thesis research involving human subjects should not begin use of human subjects until written approval has been received from the departmental Human Subjects Committee and, where review demands, the University Committee on Protection of Human Subjects (CPHS). Guidelines and forms for protocols can be obtained from the departmental office or the Office of the Vice President for Administration. Students should allow at least two weeks for a required CPHS review.

Students planning to conduct research involving live animals housed on campus must receive approval of the research from the Animal Care and Use Committee. Forms may be obtained from the office of the dean, College of Science and Mathematics.

### **Continuous Enrollment**

University policy requires graduate students to be continuously enrolled at the university every fall and spring semester until the awarding of the degree. If students have applied for graduation during the summer, they must maintain continuous enrollment in that term as well. This policy does not apply to students who have been granted an official leave of absence. (See pages 76-77 "Planned Educational Leave of Absence" for more detailed information.) To maintain the required enrollment, students must enroll in Graduate Studies Continuation through Extended Education (Extension) or in GS 299C (Regular University Enrollment).

Students who choose to enroll through the Extension option and who later wish to return to regular enrollment at California State University, Fresno will be required to reapply for admission to the university. Those who have been out of regular enrollment for more than one semester and wish to return will be required to pay an application fee, in addition to reapplying for admission. For additional information and deadlines, consult the Division of Graduate Studies. Students unable to register in person may provide a letter of permission to a "proxy," allowing the proxy to register on their behalf.

**GS Continuation (Extension).** Students who choose to enroll in GS Continuation

should go to the Division of Graduate Studies office by the second week of the semester or summer term to have their enrollment eligibility verified. If determined eligible by the Graduate Division, students will be given the appropriate paperwork and will be directed to the Continuing and Global Education Office, Education Building, Room 130, to pay registration fees. Checks for GS Continuation are made payable to California State University, Fresno in the amount of \$227 (amount subject to change.)

**GS 299C (Regular University Enrollment).** Students enrolling in GS 299C through regular university enrollment should follow the instructions for registration in the Class Schedule. GS 299C enrollees must go to the office of the Division of Graduate Studies to obtain the class and permission numbers and have their eligibility verified prior to their assigned registration date and time.

*The International Students Services and Programs Office has indicated that international students may fulfill the continuous enrollment requirement only through GS 299C registration (regular university enrollment) in the fall or spring semesters.*

### **Time Limitations and Validation**

Exclusive of prerequisite coursework, a period of five years is allowed for the completion of all requirements for the master's degree. This time limit is indicated for each student on the approved advancement to candidacy petition. A student whose program has been interrupted by military service should consult the dean of the Division of Graduate Studies about provisions for military extensions. Outdated coursework will not be approved for inclusion on the Petition of Advancement to Candidacy at the time formal approval of the petition is granted. Those courses completed more than five years before the date for completion of all requirements for the master's degree cannot be used to meet total unit requirements except through validation as follows:

Out-of-date coursework may be validated only if such work has been approved previously on this Petition of Advancement to Candidacy. A maximum of one-third of required degree units may be thus validated, by such means as are recommended by the department and approved by the graduate dean. Coursework from other institutions may not be validated.

The same time limitations and validation procedures noted above also apply to the completion of a Certificate of Advanced

Study. The time limit for an advanced certificate is noted on the *Proposed Program for the Certificate of Advanced Study* form.

### Grade Requirements

All graduate students will be held to the scholarship standards listed under *Academic Regulations*. The following provisions also apply to master's degree programs.

A student admitted to a master's degree program in conditionally classified or classified graduate standing is required to maintain a minimum grade point average of *B* (3.0) on all work taken subsequent to admission to the program.

No course with a grade below *C* will apply to an approved program for the master's degree.

To be eligible for advancement to candidacy, a student must have earned at least a *B* average (overall, program, and California State University, Fresno) on all coursework completed after the date of embarking on the first course to be included in the master's degree program.

To be eligible for enrollment in the thesis or project, a student must have been advanced to candidacy and must have maintained a minimum overall Fresno State and program grade point average of *B*.

To be eligible for the granting of the master's degree, a student must have maintained a *B* average on his or her complete approved program. In addition, grades must be posted in all courses taken, including those that are not part of the student's approved program, beginning with the earliest semester or summer term listed on the Petition of Advancement to Candidacy. Students may **not** graduate with an "I," "RD," or "RP" in any course on their records, beginning with the earliest semester/term listed on the advancement petition.

To be eligible to receive the master's degree *with distinction*, a student must have earned at least a 3.9 grade point average on all program coursework.

### Appeals and Petitions

Graduate (master's degree) students wishing to request substitutions or modifications in a department's degree requirements should initiate their request through the department's graduate committee. Requests for exceptions to established university policies governing graduate study may be addressed to the dean, Division of Graduate

Studies and also to the Graduate Petitions Committee. Grade protests must be submitted to the Student Academic Petitions Committee through the director of advising services according to university policy. Information concerning grade protest procedures and dispute resolution is available in the Office of the Dean of Student Affairs.

**Enrollment in Graduate-level (200-297) Courses.** Enrollment in graduate-level (200-297) courses is limited to those who have been officially admitted to a graduate degree, advanced certificate, or credential program. However, there is a special program for last-semester undergraduate seniors who want to enroll in 200-level courses. All criteria listed on the *Undergraduate Petition to Enroll in Graduate (200-level) Courses* must be met. This petition, available from the Division of Graduate Studies, should be filed prior to the semester in which the student desires enrollment in 200-level course(s).

### Application for the Master's Degree to be Granted

An application for the master's degree to be granted (which includes the graduation fee payable at the cashier's window in the Joyal Administration Building) must be filed within the first two weeks of the semester in which the work is to be completed. In addition, applicants must be enrolled (see *Continuous Enrollment*). During the summer, the application should be filed before the end of the third week of the first summer session. (See *Academic Calendar* and *Fees and Expenses* in this catalog and the *Class Schedule*.) Graduation application forms are available in the Division of Graduate Studies office. Prior to filing a request for the master's degree to be granted, the student should check with the graduate adviser of the master's program concerned in order to ensure that all program requirements have been, or will soon be, completed.

Once all requirements for the degree to be granted have been met, it is the student's responsibility to ensure that all necessary paperwork, including the Master's Degree Clearance form, is submitted to the Division of Graduate Studies by the published deadlines. Diplomas for those completing degree requirements will be awarded approximately two months after the end of the semester or final summer session.

Failure to complete requirements for the degree during the semester (or summer) of the application necessitates the filing of a new application, including a reapplication

fee, for the term of actual completion. Such reapplication is subject to the same time schedule as the original application.

### Graduate Interdisciplinary Studies

- Master of Arts in Interdisciplinary Studies (M.A.)
- Master of Science in Interdisciplinary Studies (M.S.)

The interdisciplinary studies major for the Master of Arts (M.A.) or Master of Science (M.S.) degree is available to qualified graduate students when there is a need for advanced study in subject matter that is interdisciplinary and that is not available through existing graduate programs. In such instances, proposals for a special major that may combine cohesive, interrelated coursework from two or more departments must be submitted for approval. Proposals that could be accommodated by an existing master's degree or option at California State University, Fresno, as in the use of elective courses, are not approved.

The M.S. in Interdisciplinary Studies differs from the M.A. in Interdisciplinary Studies by requiring breadth of technical knowledge and attainment of specific professional competencies in scientific research methodologies and data-driven analysis. For detailed policy, requirements, and application, contact the Division of Graduate Studies.

### Admission Eligibility

Those seeking admission to the M.A. or M.S. in Interdisciplinary Studies must adhere to university graduate admissions requirements, including submission of applications, official transcripts, and appropriate standardized test scores (e.g. GRE, TOEFL). Applicants must have a 3.0 GPA on previous graduate work and related prerequisites, and must be admitted to the university. Standards for admission to classified graduate standing as specified in this catalog for at least one of the principal departments must be met. All appropriate course prerequisites on the approved program must be completed.

### General Degree Requirements

A minimum of 30 units is required. At least 70 percent of the program must consist of courses designated for graduate study, that is, in graduate-level 200-series courses. The proposed program must reflect the requirements of scholarly creativity and research appropriate to the graduate level and must exhibit

## Graduate Studies

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overall coherence in a particular, recognized field of study. An acceptable thesis (2-6 units) that demonstrates interdisciplinary research is required. The faculty advisory committee may require an oral defense of the thesis or a written final examination.

Although interdisciplinary studies provides an opportunity for exceptional students to engage in a program outside the framework of existing majors, all normal graduation requirements and standards will be applied.

### Procedures

Prior to or during the first term of study, students should seek the support of a preliminary faculty advisory committee to gain counsel and advice in forming an interdisciplinary graduate program. After consultation with the advisory committee, students should complete the Application to Pursue an Interdisciplinary Studies Master's Degree Program, which includes a plan of study.

After approval by the sponsoring faculty and department, the application and supporting documents are formally presented to the graduate dean. The application will then be forwarded to the University Graduate Committee for final approval. A formal application and plan of study must be filed with the Division of Graduate Studies no later than the beginning of the second term of study. A maximum of 10 units may be applied toward the master's degree prior to official university approval of the plan of study.

### Master of Arts

For the unusually talented student with superior preparation, the M.A. in Interdisciplinary Studies provides an opportunity to work in a highly individualized graduate program that emphasizes interdisciplinary graduate study, independence in securing a faculty graduate committee across departmental lines, and the opportunity to establish expertise in a special arena. Graduate students have pursued special majors in subjects that included multimedia electronic art, biological illustration, ethnomusicology, and computational linguistics.

### Master of Science

At least 15 units for the M.S. in Interdisciplinary Studies must be from one of the campus colleges offering a broad range of instructional programs in science or technology-based disciplines. Typically this disciplinary range is found in colleges with three or more such programs of study. These colleges include the following: Agricultural Sciences and Technology, Engineering and Computer Sci-

ence, Health and Human Services, Science and Mathematics, and Social Sciences. Coursework must be taken in at least three different subject areas or field of study with no more than 12 units from any one field and not less than 6 units in each of the three areas. Two of the three fields may be from one department if the subject area content and/or professional requirements within these two fields are clearly recognized as being uniquely different.

### Community College Faculty Preparation Certificate

This continuing education certificate program is designed to provide coursework and instructional development for future and current community college faculty. Course content will enhance technical competencies, provide students with greater understanding of the role and functions of the community college, and provide important understanding of community college students and the factors crucial to their success in learning.

This certificate program consists of five courses for a total of 12 units. One of these courses is a culminating course that includes a mentored experience at a regional community college. Field placement is contingent upon participants receiving a positive recommendation from each of the program instructors. Depending on the participant's professional status, this experience will include either a mentored teaching placement in a community college classroom or the assignment of a coach. Letter grades are used for all courses with the exception of the mentored experience. Further information may be obtained from the Division of Global and Continuing Education.

### COURSES

#### **Graduate Studies Community College (GSCC)**

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#### **GSCC 220. The Community College as an Institution (2)**

Emphasis will be on faculty responsibilities in the area of curriculum content and institutional governance, including student support services and issues of retention and matriculation methods.

#### **GSCC 221. The Community College Student (2)**

Explores the cultural, sociological, economic, and political factors that affect learning and success in the community college classroom. Participants learn to recognize the factors that affect student success and to implement strategies to enhance cross-cultural understanding within classrooms.

#### **GSCC 223. Effective Community College Teaching and Classroom Communication Strategies (2)**

Examines various instructional techniques specific to the community college. Also examines the unique characteristics of the classroom as a communication context. Participants will apply theory to practice of effective lecture, discussion, and collaborative lessons.

#### **GSCC 224. Curriculum, Instruction, and Assessment at the Community College (3)**

Introduces students to fundamental theories of curriculum, curriculum development and approval processes, transfer course curriculum, and program review. Participants will learn to use and adapt assessment instruments to meet the needs of a diverse student population.

#### **GSCC 225. Sponsored Experiences at the Community College (3)**

The field experience promotes adherence to high standards of professional conduct. It also promotes effective cooperation and professional development through self-assessment and collegial interactions with other members of the profession. Participants must complete all coursework prior to being approved for field placement.

### COURSE

#### **Graduate Studies (GS)**

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#### **GS 296. Interdisciplinary Colloquium (1-3)**

Prerequisite: consent of coordinator. Seminar in interdisciplinary special major issues, allowing discussion with a broad-based, cross-disciplinary emphasis.

#### **GS 299. Interdisciplinary Thesis (2-6; max total 6)**

Prerequisite: see university *Criteria for Thesis and Project*; consent of thesis chair. Preparation, completion, and submission of an acceptable thesis for the interdisciplinary master's degree. Approved for *RP* grading.

#### **GS 299C. Graduate Program Continuation (0)**

For continuous enrollment while completing the culminating experience.

#### **GS 300T. Topics in Graduate Studies (1-3; max total 12)**

Topics related to the nature of graduate education, to the purpose and background of research and scholarly activity in the graduate enterprise, including participation in aspects of ongoing research conducted by faculty.