
Graduate Division

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As part of Graduate and Research Affairs, the Graduate Division is the administrative unit responsible for postbaccalaureate and graduate study at San Diego State University. The division is composed of the academic units that offer graduate study in the University. The faculties of these units provide programs in over 50 fields of study leading to advanced degrees in the arts and sciences and in professional areas at both the masters and doctoral levels as well as to a wide variety of programs leading to advanced certificates and basic and advanced credentials. The Graduate Council, on which sit representatives of the seven academic colleges of the University, has been delegated University-wide jurisdiction over graduate study. The council's responsibilities are broadly defined and include the development of policies on such matters as graduate programs and curricula, graduate student affairs, and graduate student scholarship.

The Dean of the Graduate Division is the chief administrative officer of the division and serves as chair of the Graduate Council. Assisted by an associate dean, the Graduate Dean has general responsibility for implementing the policies of the Graduate Council and for the development, improvement, and administration of all postbaccalaureate study.

Graduate Study at San Diego State University

The year 2000 marked the fiftieth anniversary of the award of the first graduate degrees at San Diego State University. Those Master of Arts degrees were limited at first to fields such as Education, English, history, and philosophy and directly supported the historical mission of the institution to train teachers to serve the regional community. Although the number of degree fields in the arts and sciences increased significantly in the 1950s, most continued to be designed for students planning to enter the "teaching service." As the decade ended, however, the establishment of what was to become the California State University (CSU) prompted a notable departure from the earlier academic traditions.

In 1960, the California State Legislature organized a number of state colleges into an integrated system and, in an educational master plan for the State, defined the relationship of the new system to the University of California and to the state's network of community colleges. Although the new system was to continue its mission of training teachers and providing a broad range of undergraduate degree opportunities, each campus was invited to develop its own institutional characteristics within that framework. At what was then San Diego State College, the faculty embraced a model that emphasized the necessarily close relationship between teaching and faculty and student research. This orientation required the broadening of the focus and purpose of advanced study, and over the following decades, scholarly research and graduate education came to be one of the distinguishing characteristics of San Diego State within the CSU. Indeed, by the time San Diego State College was designated a University in 1971, graduate study over a wide range of academic and professional disciplines had become an integral part of the institution's central mission.

A growing and increasingly diverse student population helped to stimulate the rapid growth of graduate programs in the years after 1960. The number of advanced degree programs at the master's level

quickly grew to cover more than fifty fields of study in the arts and sciences disciplines. Professional degrees appeared in areas such as business, city planning, social work, public administration and public health. The Master of Fine Arts along with the Master of Music provided a terminal degree for students interested in pursuing careers in those fields.

Equally important was the recognition that the master's degree in those years was becoming an entry-level requirement in many fields of employment. This not only stimulated the constant updating of traditional programs but also led to the design of new programs that sought to address specific professional and academic needs. A degree program in computational science emerged as a discrete field of study as did a program for students interested in the processes involved in the transfer of technology from the academy to the broader community. The development of concurrent degree programs was also a response to changing societal needs. The School of Social Work, for example, established a program that led to the award of degrees in both social work and law. The nursing program provided a Master of Science degree that also qualified the student for certification as a Nurse Practitioner. The increasingly global interest of students and faculty resulted in a program that combined a degree in Latin American Studies with the Master of Business Administration. A network of international exchange agreements provided both students and faculty with scholarly opportunities virtually around the world. Affiliation agreements gave graduate students access to some of the specialized educational resources of regional universities such as the University of California at San Diego.

The teacher-scholar model led inevitably perhaps to a faculty initiative to establish doctoral programs, and the first program leading to the degree Doctor of Philosophy began with Chemistry in 1965. By the 1990s ten Ph.D. programs serving several hundred students were in place. The latest additions appeared in the millennial year with the inauguration of the degree Doctor of Education in three fields of study. Some of these doctoral programs served traditional academic disciplines while others had a more professional orientation such as in public health, clinical psychology, and language and communicative disorders. And some of these programs were relatively unique. True to its historical tradition of emphasizing study in the discipline of education, the University now offered the Ph.D. in Mathematics and Science Education and the Ed.D. in the rapidly changing field of Educational Technology.

By many measures, San Diego State University has become a competitive national doctoral research university. During the decade of the 1990s, the faculty generated about one billion dollars from non-university sources in support of student and faculty research and professional activity. The University ranks thirty-third in the nation in the number of advanced degrees awarded. The Carnegie Foundation has classified San Diego State as a Doctoral/Research University-Intensive, a designation that describes the top 6.7 percent of institutions of higher education in the United States. Undoubtedly, SDSU in the future will continue to address issues of societal concern as those issues arise. No doubt, too, some programs and initiatives will disappear as circumstances and intellectual questions change. The result, however, is a dynamic curricular and intellectual world and one of enormous academic and professional opportunity.

Authorized Graduate Degrees

DOCTOR OF PHILOSOPHY

The Doctor of Philosophy degree is offered in the following fields:

Biology	Geography
Chemistry	Language and Communicative Disorders
Clinical Psychology	Mathematics and Science Education
Computational Science	Public Health
Ecology	
Education	
Engineering Sciences/ Applied Mechanics	

DOCTOR OF EDUCATION

The Doctor of Education degree is offered in the following fields:

Educational Technology
Teaching and Learning

MASTER OF FINE ARTS

The Master of Fine Arts degree is offered in the following fields:

Art
Creative Writing
Theatre Arts

MASTER OF ARTS

The Master of Arts degree is offered in the following fields:

Anthropology	Linguistics
Art	Mathematics
Asian Studies	Music
Biology	Philosophy
Chemistry	Physical Education
Communication	Physics
Communicative Disorders	Political Science
Economics	Psychology
Education	Rhetoric and Writing Studies
English	Sociology
French	Spanish
Geography	Television, Film and New Media Production
History	Theatre Arts
Interdisciplinary Studies	Women's Studies
Latin American Studies	
Liberal Arts and Sciences	

MASTER OF SCIENCE

The Master of Science degree is offered in the following fields:

Accountancy	Exercise Physiology
Aerospace Engineering	Geography
Applied Mathematics	Geological Sciences
Astronomy	Gerontology
Biology	Interdisciplinary Studies
Business Administration	Mechanical Engineering
Chemistry	Microbiology
Child Development	Nursing
Civil Engineering	Nutritional Sciences
Computational Science	Physics
Computer Science	Psychology
Counseling	Public Health
Criminal Justice and Criminology	Radiological Health Physics
Electrical Engineering	Regulatory Affairs
	Rehabilitation Counseling
	Statistics

MASTER'S DEGREES

Master of Business Administration
Master of City Planning
Master of Engineering
Master of Music
Master of Public Administration
Master of Public Health
Master of Social Work

CONCURRENT DEGREES

Concurrent degrees are offered in the following fields:

Master of Business Administration and Juris Doctor
Master of Business Administration and Master of Arts in Latin American Studies
Master of Public Health and Master of Social Work
Master of Science in Nutritional Science and Master of Science in Exercise Physiology
Master of Social Work and Juris Doctor

Graduate Concentrations

A concentration is defined as an aggregate of courses within a degree major designed to give a student specialized knowledge, competence, or skill. Completion of a concentration is noted on the student's transcript.

Applied Mathematics (MS)

Concentration:

mathematical theory of communication systems

Art (MA)

Concentrations:

art history
studio arts

Biology (MA or MS)

Concentrations:

ecology
evolutionary biology
molecular biology
physiology

Business Administration (MS)

Concentrations:

entrepreneurship
finance
financial and tax planning
human resource management
information systems
international business
management
marketing
operations management
real estate
taxation

Civil Engineering (MS)

Concentration:

environmental engineering

Communicative Disorders (MA)

Concentrations:

speech-language pathology
audiology
education of the deaf
communicative sciences

Education (MA)

Concentrations:

counseling
educational leadership
educational research
educational technology
elementary curriculum and instruction
mathematics education
policy studies in language and cross-cultural education
reading education
secondary curriculum and instruction
special education

Geography

Concentrations (MA):

natural resources and environmental policy
transportation

Concentration (MS):

geographic information science

Nursing (MS)

Concentrations:

advanced practice nursing of adults and the elderly
community health nursing
nursing systems administration

Psychology (MS)

Concentrations:

applied psychology
clinical psychology (included within the Ph.D. program;
not available separately)

Public Administration (MPA)

Concentrations:

city planning
criminal justice administration

Public Health

Concentrations (MPH):

biometry
environmental health
epidemiology
health promotion
health services administration

Concentrations (MS):

industrial hygiene
toxicology

Statistics (MS)

Concentration:

biostatistics

Theatre Arts (MFA)

Concentrations:

acting
design and technical theatre
musical theatre

Credentials Offered

Teaching Credentials

Multiple subject

Multiple subject cross-cultural language and academic
development (CLAD) emphasis

Multiple subject bilingual cross-cultural
language and academic development (BCLAD)
emphasis: Spanish

Single subject

Single subject cross-cultural language and academic
development (CLAD) emphasis

Single subject bilingual cross-cultural language and academic
development (BCLAD) emphasis: Spanish

Specialist Credentials

BCLAD

Education specialist for the deaf and hard of hearing, levels I and II

Reading/language arts

Resource specialist certificate of competence

Special education:

Early childhood special education, levels I and II; internship
credential

Mild/moderate disabilities, levels I and II; internship credential

Moderate/severe disabilities, levels I and II; internship
credential

Physical and health impairments, level I

Service Credentials

Administrative

Child welfare and attendance

Clinical-rehabilitative

Pupil personnel:

school counseling

school psychology

school psychology (internship credential)

school social work

School nurse

Graduate Certificate Programs (nondegree)

Certificate in applied linguistics and English as a second
language (ESL)

Certificate in bilingual cross-cultural language and academic
development (BCLAD)

Certificate in bilingual (Spanish) special education

Certificate in bilingual speech language pathology

Certificate in communications systems

Certificate in community college teaching

Certificate in distance education

Certificate in early childhood special education

Certificate in instructional software design

Certificate in instructional technology

Certificate in cross-cultural language and
academic development (CLAD)

Certificate in developing gifted potential

Certificate in preventive medicine residency

Certificate in rehabilitation administration

Certificate in rehabilitation technology

Certificate in supported employment and transition specialist

Certificate in teaching the emotionally disturbed/behaviorally
disordered

Certificate in workforce education and lifelong learning

Graduate Certificate Programs

The advanced certificate at the postbaccalaureate entry level provides a program of coursework leading to a specific applied goal. The general educational background of a bachelor's degree with a major in the appropriate field(s) of study is prerequisite to such a certificate.

The advanced certificate at the postmaster's entry level also provides a program of coursework and supplemental practical experience leading to a specific applied goal. The theoretical and methodological subject matter obtained from the master's or doctoral degree is prerequisite to such a certificate. A certificate at this level is an endorsement of the specialized competence beyond that obtained in the student's graduate degree program.

Graduate Study in the Summer Term

San Diego State University offers state supported as well as special session courses in the various terms that make up the summer term. Graduate students may earn residence credit that satisfies requirements for advanced degrees, credentials, or advanced certificates by successfully completing such courses during the summer. Enrollment in state supported courses requires that a student have been admitted to the University in an appropriate graduate category. Students who have not been admitted to the University may be eligible to enroll for such courses through Open University. Enrollment in special session courses does not require admission to the University. Not more than nine units combined of coursework taken in Open University or special sessions prior to admission to an advanced degree or certificate program will be acceptable subsequently on a program of study. For more information about the summer term, see the SDSU Summer Session Class Schedule.

Students planning to offer work taken in summer only to satisfy requirements for an advanced degree must apply for admission to the University with classified standing. Students pursuing an advanced degree in summer only must attend for a minimum of three summers to complete a degree. No more than 12 units of coursework earned each summer may be included on a program of study for an advanced degree.

Graduate Study for Foreign Students

The facilities of San Diego State University for graduate study are available to qualified graduates of foreign universities on the same basis and under the same regulations as apply to graduates of colleges and universities in the United States.

Admission procedures for foreign graduate students are stated in the section on Admission of Graduate Students in this bulletin.

Veterans and Graduate Study

San Diego State University is approved to train veterans under the G.I. Bill. Veterans who are interested in graduate work should visit the campus Veterans Affairs Office located in Student Services, Room 1641, for information and counseling regarding veterans' benefits prior to the date of registration.

Financial Support for Graduate Students

Like other national universities, San Diego State University makes available to students admitted to advanced degree curricula a variety of financial support programs designed to substantially reduce or eliminate economic barriers to the pursuit of graduate study. The most widely known of these are the state and federal aid programs available to degree-seeking students who are citizens or permanent residents of the United States. Equally important are the University programs that address the unique financial needs of individual students across a broad range of economic and academic circumstances.

The on-campus programs for advanced degree students at San Diego State University include appointments as graduate teaching associates, graduate assistants, research assistants, and student assistants as well as tuition and fee payment assistance, fellowships, scholarships, grants, and forgivable loans.

Eligibility and dollar amounts often differ by discipline and experience, and some opportunities are available only to students admitted to doctoral programs. Nominations for almost all of these awards originate with the chair or director of the department or school of the degree program for Master's degree students or the coordinator of the doctoral program for students pursuing either the Ph.D. or Ed.D. degree. The Graduate Division administers most of these programs for the University. The Graduate Dean must approve most awards and appointments and determine whether the applicant is in good standing in the University. Continuing and prospective students interested in specific information about any of these on-campus programs are invited to write or visit the Graduate Division at San Diego State University, 5500 Campanile Drive, San Diego, CA 92182. The phone number is (619) 594-5213. The Graduate Division is located in Centennial Hall, Room 3320. Information is also available at www.sdsu.edu.

Financial Aid

Information about all state and federal aid programs as well as some of the institutional programs is available from the Office of Financial Aid and Scholarships located in Student Services, Room 3605. The phone number is (619) 594-6323. The SDSU *Guide to Financial Aid* describes the available programs as well as the academic standards that a student must maintain in order to remain eligible for such aid. The *Guide to Financial Aid* can be accessed at <http://www.sa.sdsu.edu/fao>.

The Free Application for Federal Student Aid (FAFSA) is all you need to begin the application process. You may apply by using FAFSA on the Web site at www.fafsa.ed.gov. Paper FAFSA applications are also available and may be picked up at college financial aid offices.

Applications are reviewed and aid awarded throughout the year based on available funding. January through May, however, is considered the optimum time period to apply for aid to receive funding at the beginning of the fall semester.

E-Mail and the Internet

The SDSU Office of Financial Aid and Scholarships is now using e-mail and the Internet to communicate with aid applicants about documentation needed, disbursement holds, and awards. The Office of Financial Aid and Scholarships home page and secure Web site, *Aid-Link*, have been enhanced to streamline the application and award process for SDSU students. Go to SDSU's Web site at <http://www.sdsu.edu/e-services>, and select U-Mail to make sure there is a valid e-mail address on record for you with the Office of the Registrar. Use *Aid-Link* at <http://www.sdsu.edu/financialaid> to view your personal financial aid information, download and print documents you need to submit, activate your student loan, and more.

Graduate Teaching Associates

Appointments as graduate teaching associates, known more familiarly as a TAs, provide students the opportunity to participate directly in the teaching activities of the university. Indeed, faculty members in many programs consider such appointments an integral part of the academic curriculum for their graduate students. Under the supervision of senior faculty, TAs provide direct instruction to undergraduate students, primarily at the lower division level.

Appointments as graduate teaching associates may be obtained by qualified graduate students pursuing a master's degree in the areas of anthropology, art, astronomy, biological sciences, business administration, chemistry, child and family development, communication, communicative disorders, economics, educational technology, engineering, English, exercise and nutritional sciences, French, geography, geological sciences, history, linguistics, mathematical sciences, microbiology, music, physics, psychology, rhetoric and writing, sociology, Spanish, television, film, and new media production, and theatre arts. In addition, all doctoral programs offer such appointments.

Qualifications for appointment include admission to San Diego State University with classified or conditionally classified graduate standing for the purpose of obtaining an advanced degree. Appointment is for a period of either one semester or the academic year. Reappointment following an appointment of one semester or one academic year is dependent upon satisfactory performance in graduate studies, as prescribed by the Graduate Division, departmental need for the continued service in the department, and upon satisfactory teaching performance.

The combined teaching assignment and coursework permitted during one semester is 15 units unless an excess of this amount is authorized by the Graduate Dean.

Information concerning an appointment as a graduate teaching associate may be obtained from the head of the department, school, or college in which the applicant wishes to obtain the advanced degree. The Graduate Division also publishes *A Handbook for Graduate Assistants and Graduate Teaching Associates* available at http://gra.sdsu.edu/Graduate/gta_ga_handbook/index.htm.

Graduate Assistants

Graduate assistants (GA) participate in the teaching program of the University by undertaking such classroom activities as reading examination papers, tutoring, and student advising. Alternatively, GAs may be assigned duties that directly support the research activities of the faculty.

Graduate assistants not involving teaching duties and permitting up to 20 hours of service per week for a full-time appointment are available in most of the departments and schools. Qualifications for graduate assistants include admission to San Diego State University with classified or conditionally classified graduate standing. Normally, graduate assistants must enroll in and complete each semester at least six units of coursework listed on the official program of study.

Appointment to a graduate assistantship is for a period of either one semester or the academic year. Reappointment or continuation of an appointment is dependent upon satisfactory performance in graduate studies, as prescribed by the Graduate Division, satisfactory completion of assigned duties, and upon departmental need for the continued service in the department.

Information concerning an appointment as a graduate assistant may be obtained from the head of the department, school, or college in which the applicant wishes to obtain the advanced degree. For further information consult *A Handbook for Graduate Assistants and Graduate Teaching Associates* available at http://gra.sdsu.edu/Graduate/gta_ga_handbook/index.htm.

Student Assistants

Graduate students are eligible for employment as student assistants who perform a wide variety of tasks supporting faculty and staff across the University. Assistants are paid by the hour and are restricted to assignments not to exceed 20 hours per week. Students may apply for this employment through the department chairs or program directors. In addition, the Office of Career Services located in Student Services, Room 1200, maintains a listing of the positions available.

Research Assistants

The University offers some graduate students part-time employment as research assistants. Research assistants work directly with faculty in a laboratory or other research facility in the health, physical, and social sciences. Research assistants are employees of the SDSU Foundation, but they are generally hired through departmental faculty seeking assistance on research programs. Students may inquire about such appointments through the chair or director of the respective science department or through the Office of Human Resources of the SDSU Foundation. Those interested in adding their names to a list of candidates for current or future part-time openings may obtain application materials from the San Diego State University Foundation, Gateway Building, 5250 Campanile Drive, San Diego, CA 92182-1945. Further information is also available on the University Web site.

Tuition Assistance Program for Out-of-State and Foreign Students

In California, all students are required to pay a registration fee based on the number of units of enrollment. In addition to this fee, non-residents of California, including international students, pay tuition that currently amounts to \$282 per unit of enrollment. For graduate students of superior scholastic achievement participating in the teaching program, however, the University may provide assistance by waiving all or part of the cost of out-of-state tuition.

To be eligible for this program, an applicant must be a permanent resident or a citizen of the United States or a nonresident who is a citizen and resident of a foreign country. Assistance is provided on a semester-by-semester basis only for students who hold appointments as teaching associates, teaching related appointments as graduate assistants, or a combination of the two that requires a workload approximating 20 hours per week.

For more information and application forms, continuing and new students should contact the chair or director of the department or school of the Master's program to which they have been admitted. Students pursuing a Ph.D. should consult the program director. Departmental nominations should be submitted to the Graduate Division by April 1 of each year.

Fee Assistance Program

For most students pursuing the Ph.D. degree, the University has available some scholarship funds to offset in whole or in part the cost of the state-mandated registration fees. Like the tuition assistance program, awardees must be participating in the teaching program of the University. Information regarding this support is available from the directors of the doctoral programs.

Graduate Scholarships

A scholarship is a monetary award given to outstanding students in recognition of their academic excellence, leadership, achievements, and promise. They are provided by private donors, corporations, professional associations, and alumni.

Students apply on their own initiative. Occasionally, scholarships with requirements and deadlines other than those established for the general University scholarship program are designated for specific majors. Eligible students will be notified through a faculty announcement.

Competition is based on outstanding academic achievement, campus and extracurricular activities, employment, and an essay. Graduate and postbaccalaureate students must have a 3.50 overall graduate GPA for work completed after the bachelor's degree or in the absence of completed postbaccalaureate units, a 3.50 overall undergraduate GPA or a 3.70 in the last 30 units of university work.

Applications for the SDSU scholarship program are available on the SDSU Office of Financial Aid and Scholarships Web site at www.sa.sdsu.edu/fao and are available beginning in November. Interested students may also e-mail the staff at scholars@mail.sdsu.edu.

The SDSU scholarship application must be filed or postmarked by the first Monday in February. Students need to submit only one application for the general SDSU scholarship program. Individual results will be mailed to all applicants during April for the following academic year.

The average SDSU scholarship award is \$1000.00. There is no limit to the number of scholarships for which a student may be considered.

In addition to SDSU scholarships, the Marshall, Fulbright, Rhodes, and Rotary scholarships are prestigious international scholarships given annually to students pursuing educational goals outside the United States. Eligibility standards for these scholarships are closely related to those established for the SDSU scholarship program, but application forms and deadlines are separate from the program. Students may seek advisement regarding application by e-mail at scholars@mail.sdsu.edu.

National Fellowships

The Scholarship Office receives annual announcements of the Fulbright, Marshall, Kent, Rotary, and other national fellowship programs. Since each campus is limited in the number of applications it may endorse, students interested in fellowships of this type are encouraged to discuss their applications with the Scholarship Director and with members of the University faculty members who have themselves held these fellowships. Since test scores from the Graduate Record Examinations General Test are required, students should take this examination well in advance of the deadline date for the submission of applications. The GRE may be scheduled through the University Test Office.

Graduate Equity Fellowship Program

The Graduate Equity Fellowship program provides support for economically disadvantaged graduate students, especially from groups who are underrepresented within their respective disciplines. Only legal residents of California who can demonstrate significant financial need are eligible. Recipients must be classified graduate students and must enroll for a minimum of nine units of coursework each semester they hold the fellowship. Fellowships range from \$500 to \$4,000 for an academic year depending on demonstrated need.

Students may receive awards for a maximum of two academic years but they must apply each year. Interested students should complete a Graduate Division application and the Free Application for Federal Student Aid (FAFSA). The Graduate Division application must be submitted by the end of May.

Forgivable Loan/Doctoral Incentive Program

The California State University provides funds each year for the purpose of increasing the diversity of qualified applicants for instructional faculty positions at its various campuses. This program offers loans of up to \$10,000 per year to a total of \$30,000 while the student is enrolled full time in a doctoral program at an approved and accredited institution. Loans are subsequently forgiven at a rate of 20 percent for each year of full-time teaching in the CSU. Enrollment or employment in the CSU is not required of applicants for this program

Receipt of the award and successful completion of a doctoral program does not guarantee a faculty position in the CSU. In the event that the student does not or cannot obtain such a faculty position, the loan must be repaid at an interest rate comparable to that of other graduate student loans.

Applications are available at all CSU campuses, and each campus has a Forgivable Loan Program Coordinator and a selection committee. Applications are due in February and the selections are announced in early May of each year. On the SDSU campus, interested students are invited to contact the Graduate Division for more detailed information and to obtain an application.

Graduate Assumption Program of Loans for Education (Graduate APLE)

This is a state-funded teacher incentive program administered by the California Student Aid Commission. It is designed to encourage graduate students to complete their advanced education and then serve as faculty at an accredited college or University in California. Under the provisions of the program, the Commission may assume up to \$6,000 in student loan balances in return for the participant's service as a full-time faculty member at a college or university in California for three consecutive years after obtaining a graduate degree.

Applicants for this loan assumption program must be citizens or permanent residents of the United States as well as residents of the State of California. Participants must be nominated by the University and are selected on the basis of academic qualifications, interviews, and faculty evaluations as well as such other criteria as the nominating campus may determine. The deadline for submission to the Commission of applications of the campus nominees is normally the end of June for the following academic year. Application forms and complete information may be obtained from the Future Educators Center located in Education 107, (619) 594-6320.

