

Summary of Curricula Offered

Types of Curricula Offered

San Diego State University offers the following types of curricula:

Undergraduate Curricula. Undergraduate curricula provide the following opportunities for study:

(1) **Liberal arts and sciences:** Curricula in the academic major fields, leading to the Bachelor of Arts degree in liberal arts and sciences.

(2) **Applied arts and sciences:** Curricula in major fields leading to the Bachelor of Science, Bachelor of Arts, Bachelor of Fine Arts in Dance, or Bachelor of Music degree in applied arts and sciences.

(3) **Professional curricula:** The College of Business Administration offers the Bachelor of Science degree in business administration with majors in seven fields; the College of Engineering offers the Bachelor of Science degree in engineering with majors in six fields; and the College of Education offers curricula in teacher education leading to graduate credentials at all levels of public school teaching.

The School of Speech, Language, and Hearing Sciences offers curricula leading to clinical certification and graduate credentials in speech pathology, audiology, and speech, language, and hearing sciences.

The School of Nursing offers the Bachelor of Science degree and the Master of Science degree in Nursing (areas of concentration are advanced practice nursing of adults and the elderly, nursing education, nursing leadership in health care systems, and women's health and midwifery), a Doctor of Nursing Practice (DNP), and offers a curriculum leading to registered nurse licensure, public health nurse credential, health services credential (school nurse services), and nurse educator.

(4) **Preprofessional and nondegree curricula:** Programs are offered in allied health, pre dental, prelegal, premedical, and preveterinary leading to transfer to professional schools. Air Force, Army, and Naval ROTC programs are also available.

Graduate Curricula. The Division of Graduate Affairs offers curricula in the various colleges and departments leading to the Master of Arts and Master of Science degrees in a wide variety of fields, the Master of Arts in Teaching, the Master of Business Administration, the Master of Business Administration and Juris Doctor, the Master of City Planning, the Master of Engineering, the Master of Fine Arts in Art, the Master of Fine Arts in Creative Writing, the Master of Fine Arts in Film and Television Production, the Master of Fine Arts in Theatre Arts, the Master of Music, the Master of Public Administration, the Master of Public Health, the Master of Social Work, the Master of Social Work and Juris Doctor, and the Master of Social Work and Master of Public Health.

Also offered are the Educational Specialist in school psychology, the Doctor of audiology (Au.D.), the Doctor of Education (Ed.D.), the Doctor of Education in educational leadership, the Doctor of Nursing Practice (DNP), the Doctor of Physical Therapy (DPT), and Doctor of Philosophy (Ph.D.) in biology (cell and molecular), chemistry, clinical psychology, computational science/statistics, ecology, education, engineering sciences (bioengineering), engineering sciences (electrical and computer engineering), engineering sciences (mechanical and aerospace engineering), engineering sciences (structural engineering), evolutionary biology, geography, geophysics, interdisciplinary research on substance use, language and communicative disorders, mathematics and science education, and public health.

Degrees and Certificates

San Diego State University offers the following authorized graduate degrees and certificates:

DOCTOR OF PHILOSOPHY

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

Biology (Cell and Molecular)
Chemistry
Clinical Psychology
Computational Science
Computational Science/Statistics

Ecology
Education
Engineering Sciences (Bioengineering)
Engineering Sciences (Electrical and Computer Engineering)
Engineering Sciences (Mechanical and Aerospace Engineering)
Engineering Sciences (Structural Engineering)
Evolutionary Biology
Geography
Geophysics
Interdisciplinary Research on Substance Use
Language and Communicative Disorders
Mathematics and Science Education
Public Health/Epidemiology
Public Health/Global Health
Public Health/Health Behavior

DOCTOR OF EDUCATION

Educational Leadership:
Community College/ Postsecondary Leadership
PreK-12 Leadership

PROFESSIONAL DOCTORATES

The professional doctorate degree is offered in the following fields:

Audiology
Doctor of Nursing Practice
Doctor of Physical Therapy

EDUCATIONAL SPECIALIST

The educational specialist degree is offered in the following field:

Ed. S. in School Psychology

MASTER OF FINE ARTS

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

Art
Creative Writing
Film and Television Production
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	Physics
Chicana and Chicano Studies	Political Science
Communication	Psychology
Economics	Rhetoric and Writing Studies
Education	Sociology
English	Spanish
French	Speech, Language, and Hearing Sciences
Geography	Teaching
History	Television, Film and New Media Production
Interdisciplinary Studies	Theatre Arts
Latin American Studies	Women's Studies
Liberal Arts and Sciences	

MASTER OF SCIENCE

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

Accountancy	Geography
Aerospace Engineering	Geological Sciences
Applied Mathematics	Gerontology
Astronomy	Homeland Security
Bioengineering	Hospitality and Tourism Management
Bioinformatics and Medical Informatics	Information Systems
Biology	Interdisciplinary Studies
Business Administration	Kinesiology
Chemistry	Mechanical Engineering
Child Development	Medical Physics
Civil Engineering	Microbiology
Computational Science	Nursing
Computer Science	Nutritional Sciences
Counseling	Physics
Criminal Justice and Criminology	Psychology
Electrical Engineering	Public Health
Exercise Physiology	Regulatory Affairs
	Rehabilitation Counseling
	Statistics

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

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)

Concentrations:
 dynamical systems
 mathematical theory of communication systems

Art (MA)

Concentrations:
 art history
 studio arts

Bioinformatics and Medical Informatics (MS)

Concentration:
 professional science master

Biology (MA or MS)

Concentrations:
 ecology
 evolutionary biology
 molecular biology
 physiology

Business Administration (MS)

Concentrations:
 entrepreneurship
 finance
 financial and tax planning
 information systems
 international business
 management
 marketing
 real estate
 supply chain management
 taxation

Child Development (MS)

Concentration:
 early childhood mental health

Civil Engineering (MS)

Concentration:
 environmental engineering

Computational Science

Concentration (MS):
 professional applications
Concentration (PhD):
 statistics

Counseling (MS)

Concentrations:
 marriage and family therapy
 multicultural community counseling community-based block
 school counseling
 school psychology

Education (MA)

Concentrations:
 counseling
 dual language and English learner education
 educational leadership
 elementary curriculum and instruction
 learning design and technology
 mathematics education
 reading education
 secondary curriculum and instruction
 special education

Geography (MS)

Concentrations:
 geographic information science
 watershed science

Nursing (MS)

Concentrations:
 advanced practice nursing of adults and the elderly
 community health nursing
 nursing education
 nursing leadership in health care systems
 women's health and midwifery

Psychology (MS)

Concentrations:
 applied psychology: program evaluation
 applied psychology: industrial and organizational psychology
 clinical psychology (included within the PhD program;
 not available separately)

Public Administration (MPA)

Concentrations:
 city planning
 criminal justice administration

Public Health

Concentrations (MPH):

biometry
environmental health
epidemiology
health management and policy
health promotion and behavioral science

Concentration (MS):

environmental health sciences

Concentrations (PhD):

epidemiology
global health
health behavior

Rehabilitation Counseling (MS)

Concentration:

clinical rehabilitation and clinical mental health counseling

Speech, Language, and Hearing Sciences (MA)

Concentrations:

communicative sciences
speech-language pathology

Statistics (MS)

Concentration:

biostatistics

Teaching (MAT)

Concentrations:

elementary education
language arts education (summer only)
mathematics education
reading/language arts education
science education
secondary education

Theatre Arts (MFA)

Concentrations:

acting
design and technology
musical theatre

Credentials Offered

Teaching Credentials

Multiple subject; internship
Multiple subject bilingual emphasis: Spanish; internship
Multiple subject and special education bilingual (Spanish)
Single subject; internship
Single subject
Single subject bilingual 2042

Specialist Credentials

Education specialist for the deaf and hard of hearing, levels I and II
Reading and literacy leadership
Special education:
Early childhood special education, levels I and II; internship credential
Mild/moderate disabilities, preliminary and clear; internship credential
Moderate/severe disabilities, preliminary and clear; internship credential

Service Credentials

Administrative; internship
Pupil personnel:
Child welfare and attendance
School counseling
School nurse
School psychology; internship
School social work
School nurse services
Speech language pathology

Graduate Certificate Programs (nondegree)

Certificate in artist diploma
Certificate in behavior analysis
Certificate in bilingual (Spanish) special education
Certificate in bilingual speech-language pathology
Certificate in children's/adolescent literature
Certificate in cognitive disabilities
Certificate in communication systems
Certificate in community college teaching
Certificate in developing gifted potential
Certificate in distance education
Certificate in dual language academic literacy
Certificate in early childhood-socio-emotional and behavior regulation intervention specialist
Certificate in early childhood special education
Certificate in educational facility planning
Certificate in English language development for academic literacy
Certificate in executive financial planner
Certificate in institutional research, planning, and assessment
Certificate in instructional design
Certificate in intellectual property and regulatory affairs
Certificate in instructional technology
Certificate in international security and trade
Certificate in lesbian, gay, bisexual, and transgender studies
Certificate in linked learning
Certificate in mental health recovery and trauma informed care
Certificate in nursing education
Certificate in preventive medicine residency
Certificate in professional computational science
Certificate in psychiatric rehabilitation
Certificate in public health
Certificate in reading and literacy added authorization
Certificate in regulatory affairs
Certificate in rehabilitation administration
Certificate in rehabilitation counseling
Certificate in rehabilitation technology
Certificate in residency training in radiation therapy physics
Certificate in social work administration
Certificate in supported employment and transition specialist
Certificate in teaching English as a second or foreign language (TESL/TEFL)
Certificate in teaching of writing
Certificate in web and mobile applications development
Certificate in women's studies
Certificate in workforce education and lifelong learning

Graduate Certificate Programs

The advanced certificate at the post-baccalaureate 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. Courses taken for advanced certificate program may be applied to a master's degree with the recommendation of the program adviser and approval from the Division of Graduate Affairs. A student wishing to be admitted to an advanced certificate must meet the criteria specified under General Admission Requirements. The student must also meet the professional, personal, scholastic, and other standards prescribed by the appropriate department and the Graduate Council. Advanced certificate students are governed by the same regulations as master's degree students when accepting courses taken prior to matriculation. Students in an advanced degree program that wish to add the advanced certificate concurrently must be formally admitted no later than halfway through the units required for the advanced certificate. It is the student's responsibility to maintain a grade point average of at least a 3.0 in all certificate courses, earn at least a grade of C (or higher if specified by the department) on courses required for the certificate. A certificate must be completed within seven years and a student must maintain good academic standing. With the recommendation of the program adviser and approval of the Division of Graduate Affairs, a student may include up to six units of 596 and 696 courses toward the fulfillment of the requirements. Courses used towards the fulfillment of a basic certificate cannot be used to fulfill the requirements for an advanced certificate.