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, predental, 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, and the Master of Arts in Teaching, 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 (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

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

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

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

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
- History
- Theatre Arts
- Liberal Arts and Sciences
- Latin American Studies

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

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

**Concentrations** (PhD):
- epidemiology
- global health
- health behavior

## Speech, Language, and Hearing Sciences

**Concentrations**:
- communicative sciences
- speech-language pathology

## Statistics

**Concentration**:
- biostatistics

## Teaching

**Concentrations**:
- elementary education
- language arts education (summer only)
- mathematics education
- reading/language arts education
- science education
- secondary education

## Theatre Arts

**Concentration**:
- acting
- design and technology
- musical theatre

## Credentials Offered

### Teaching Credentials

- Multiple subject; internship
- Multiple subject bilingual emphasis: Spanish; internship
- Single subject; internship
- Single subject bilingual 2042

### Specialist Credentials

- Education specialist for the deaf and hard of hearing, levels I and II; internship
- 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 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.