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.
  4. **Preprofessional and nondegree curricula:** Programs are offered in allied health, preclinical, premedical, and preprofessional leading to transfer to professional schools. Air Force, Army, and Navy 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 Theatre Arts, the Master of Music, the Master of Public Administration, the Master of Public Health, and the Master of Social Work, Master of Social Work and Juris Doctor.

  Also offered are the Educational Specialist in school psychology, the Professional Doctorate in audiology, the Doctor of Education, the Doctor of Education in educational leadership, the Doctor of Nursing Practice, the Doctor of Physical Therapy, and the Doctor of Philosophy in bioengineering, biology (cell and molecular), chemistry, clinical psychology, computational science, ecology, education, electrical and computer engineering, evolutionary biology, geography, geophysics, language and communicative disorders, mathematics and science education, mechanical and aerospace engineering, public health, and structural engineering.

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)
- Bioengineering
- Chemistry
- Clinical Psychology
- Computational Science
- Computational Science/Statistics
- Ecology
- Education
- Electrical and Computer Engineering
- Evolutionary Biology
- Geography
- Geophysics
- Language and Communicative Disorders
- Mathematics and Science Education
- Mechanical and Aerospace Engineering
- Public Health/Epidemiology
- Public Health/Global Health
- Public Health/Health Behavior
- Structural Engineering

**DOCTOR OF EDUCATION**
Education
   Educational Leadership:
      Community College/ Postsecondary Leadership
      PreK-12 School 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
- Theatre Arts
MASTER OF ARTS
The Master of Arts degree is offered in the following fields:
- Anthropology
- Art
- Asian Studies
- Biology
- Chemistry
- Chicana and Chicano Studies
- Communication
- Economics
- Education
- English
- French
- Geography
- History
- Interdisciplinary Studies
- Kinesiology
- Latin American Studies
- Liberal Arts and Sciences

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
- Biomedical Quality Systems
- 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
- Mechanical Engineering
- Medical Physics
- Microbiology
- Nursing
- Nutritional Sciences
- Physics
- Psychology
- Public Health
- Regulatory Affairs
- Rehabilitation Counseling
- Statistics

CONCURRENT DEGREES
Concurrent degrees are offered in the following fields:
- Master of Arts in Education with a Concentration in Counseling and the Educational Specialist in School Psychology
- 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

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

Civil Engineering (MS)
Concentration:
- environmental engineering

Computational Science (MS)
Concentration (MS):
- professional applications
Concentration (PhD):
- 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
Curricula Summary

Counseling (MS)
Concentrations:
major and family therapy
school counseling

Education (MA)
Concentrations:
counseling
educational leadership
educational research
educational technology
elementary curriculum and instruction
mathematics education (K-8)
policy studies in language and cross-cultural 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
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 (MS):
toxicology

Concentrations (PhD):
epidemiology
global health
health behavior

Speech, Language, and Hearing Sciences (MA)
Concentrations:
communicative sciences
speech-language pathology

Statistics (MS)
Concentration:
biostatistics

Theatre Arts (MFA)
Concentrations:
acting
design and technical theatre
musical theatre

Credentials Offered
Teaching Credentials
Multiple subject; internship
Multiple subject cross-cultural language and academic development (CLAD) emphasis
Multiple subject bilingual cross-cultural language and academic development (BCLAD) emphasis: Spanish; internship
Multiple subject and special education bilingual (Spanish)
Single subject: internship
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

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
Child welfare and attendance
Pupil personnel:
School counseling
School nurse
School psychology; internship
School social work
Speech Language Pathology

Graduate Certificate Programs (nondegree)
Certificate in academic literacy development for English language learners
Certificate in advanced children's/adolescent literature
Certificate in advanced teaching of writing
Certificate in artist diploma
Certificate in bilingual speech language pathology
Certificate in biomedical quality systems
Certificate in cognitive disabilities
Certificate in communications systems
Certificate in community college teaching
Certificate in developing gifted potential
Certificate in distance education
Certificate in dual language biliteracy
Certificate in early childhood-socio-emotional and behavior regulation intervention specialist
Certificate in early childhood special education authorization
Certificate in educational facility planning
Certificate in executive financial planner
Certificate in institutional research, planning, and assessment
Certificate in instructional design
Certificate in instructional technology
Certificate in mathematics specialist
Certificate in museum studies
Certificate in nursing education
Certificate in preventive medicine residency
Certificate in primary grade writing instruction
Certificate in professional computational science
Certificate in psychiatric rehabilitation
Certificate in reading
Certificate in regulatory affairs
Certificate in rehabilitation administration
Certificate in rehabilitation counseling
Certificate in rehabilitation technology
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 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 approval of the graduate adviser.