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.

- **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, the Master of Social Work, and the Master of Social Work and Juris Doctor.

- **Professional 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.

- **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, the Master of Social Work, and the Master of Social Work and Juris Doctor.

- **Also offered are the Educational Specialist degree 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, 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
    - Environmental Science
    - Engineering Sciences (Bioengineering)
    - Engineering Sciences (Electrical and Computer Engineering)
    - Engineering Sciences (Mechanical and Aerospace Engineering)
    - Engineering Sciences (Structural Engineering)
    - Evolutionary Biology
    - Geography
    - Geophysics
    - 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
    - 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
    - History
    - Interdisciplinary Studies
    - Kinesiology
    - Latin American Studies
    - Theatre Arts
    - Liberal Arts and Sciences
    - Women's Studies
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

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 (PhD)
  Concentrations: marriage and family therapy, school counseling

- Education (MA)
  Concentrations: counseling, dual language and English learner education, educational leadership, educational research, 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, 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

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 technical theatre
- musical theatre

Credentials Offered

Teaching Credentials Offered
Multiple subject; internship
Multiple subject cross-cultural language and academic development (CLAD) emphasis
Multiple subject bilingual 2042
Multiple subject and special education bilingual (Spanish)
Single subject; internship
Single subject cross-cultural language and academic development (CLAD) emphasis
Single subject bilingual 2042

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
  - Mild/moderate disabilities, preliminary and clear; internship
  - Moderate/severe disabilities, preliminary and clear; internship

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 academic literacy development for English language learners
Certificate in algebra specialist
Certificate in artist diploma
Certificate in behavior analysis
Certificate in bilingual speech-language pathology
Certificate in biomedical quality systems
Certificate in children/adolescent literature
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 literacy
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 international security and trade
Certificate in lesbian, gay, bisexual, and transgender studies
Certificate in linked learning
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 public health
Certificate in reading
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 approval of the graduate adviser. 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. 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. Courses used towards the fulfillment of a basic certificate cannot be used to fulfill the requirements for an advanced certificate.