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 Fowler College of Business 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 a curriculum 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 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), 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, 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, and the Master of Social Work and Juris Doctor.

Also offered are the Educational Specialist in school psychology, the Doctor of audiology (Au.D.), the Doctor of Education in educational leadership (Ed.D.), 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, Credentials, and Certificates

San Diego State University offers the following authorized graduate degrees, credentials, and advanced certificates at the post-baccalaureate level:

**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 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
- History
- Teaching
- 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  
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  
Criminology  
Electrical Engineering  
Exercise Physiology  
Geography  
Geological Sciences  
Gerontology  
Homeland Security  
Management  
Information Systems  
Kinesiology  
Mechanical Engineering  
Medical Physics  
Microbiology  
Nursing  
Nursing Sciences  
Physics  
Public Health  
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 (M.S.)
Concentrations:
Dynamical Systems  
Mathematical Theory of Communication Systems  

Art (M.A.)
Concentrations:
Art History  
Studio Arts  

Bioinformatics and Medical Informatics (M.S.)
Concentration:
Professional Science Master  

Biology (M.A. or M.S.)
Concentrations:
Ecology  
Evolutionary Biology  
Molecular Biology  
Physiology  

Business Administration (M.S.)
Concentrations:
Entrepreneurship  
Finance  
Financial and Tax Planning  
Information Systems  
International Business Management  
Marketing  
Real Estate  
Supply Chain Management  
Taxation  

Child Development (M.S.)
Concentration:
Early Childhood Mental Health  

Civil Engineering (M.S.)
Concentration:
Environmental Engineering  

Computational Science
Concentration (M.S.):
Data Science  
Professional Applications  
Concentration (Ph.D.):
Statistics  

Counseling (M.S.)
Concentrations:
Marriage and Family Therapy  
Multicultural Community Counseling Community-Based Block  
School Counseling  
School Psychology  

Education (M.A.)
Concentrations:
Counseling  
Dual Language and English Learner Education  
Elementary Curriculum and Instruction  
Learning Design and Technology  
Mathematics Education  
Reading Education  
Secondary Curriculum and Instruction  
Special Education  

Geography (M.S.)
Concentrations:
Geographic Information Science  
Watershed Science  

Nursing (M.S.)
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 (M.S.)
Concentrations:
Applied Psychology: Program Evaluation  
Applied Psychology: Industrial and Organizational Psychology  
Clinical Psychology (included within the Ph.D. program; not available separately)  

Public Administration (M.P.A.)
Concentrations:
City Planning  
Criminal Justice Administration  

Public Health
Concentrations (M.P.H.):
Biometry  
Environmental Health  
Epidemiology  
Health Management and Policy  
Health Promotion and Behavioral Science  
Concentration (M.S.):
Environmental Health Sciences  
Concentrations (Ph.D.):
Epidemiology  
Global Health  
Health Behavior  

Rehabilitation Counseling (M.S.)
Concentration:
Clinical Rehabilitation and Clinical Mental Health Counseling  

Speech, Language, and Hearing Sciences (M.A.)
Concentrations:
Communicative Sciences
Summary of Curricula Offered

Speech-Language Pathology

Statistics (M.S.)
Concentration:
Biostatistics

Teaching (M.A.T.)
Concentrations:
Elementary Education
Language Arts Education (Summer only)
Mathematics Education
Reading/Language Arts Education
Science Education
Secondary Education

Theatre Arts (M.F.A.)
Concentrations:
Acting
Design and Technology
Musical Theatre

Credentials Offered

Added Authorizations
Bilingual, with an emphasis in biliteracy for K-12
Reading and Literacy

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

Specialist Credentials
BCLAD
Reading and literacy leadership
Special education:
Early Childhood Special Education, preliminary and clear; 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
School social work
School nurse services
Speech language pathology

Graduate Certificate Programs
(nondegree)

Artist Diploma
Behavior Analysis
Bilingual (Spanish) Special Education
Bilingual Speech-Language Pathology
Children's/Adolescent Literature
Cognitive Disabilities
Communication Systems
Community College Teaching
Developing Gifted Potential
Distance Education
Dual Language Academic Literacy
Early Childhood Special Education
Early Childhood Transdisciplinary
Education and Mental Health
Educational Facility Planning
English Language Development for Academic Literacy
Executive Financial Planner
Instructional Design
Intellectual Property and Regulatory Affairs
Instructional Technology
International Security and Trade
Lesbian, Gay, Bisexual, and Transgender Studies
Linked Learning
Mental Health Recovery and Trauma
Informed Care
Nursing Education
Preventive Medicine Residency
Professional Computational Science
Psychiatric Rehabilitation
Public Health
Regulatory Affairs
Rehabilitation Administration
Rehabilitation Counseling
Rehabilitation Technology
Residency Training In Radiation Therapy Physics
Social Work Administration
Supported Employment and Transition Specialist
Teaching English as a Second or Foreign Language (TESL/TEFL)
Teaching of Writing
Web and Mobile Applications Development
Women's Studies
Workforce Education and Lifelong Learning

Graduate Certificate Programs

The advanced certificate at the post-baccalaureate entry level provides students a program of coursework leading to a specific applied goal. The general educational background of a bachelor's degree or a master's degree or a master'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 better 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.

Graduate students interested in a basic certificate should first consult with the appropriate department and the Office of Financial Aid and Scholarships regarding course requirements and financial aid implications.