

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 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 and nursing leadership in health care systems) 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, and the Master of Social Work and Juris Doctor.

Also offered are the Educational Specialist in school psychology (Ed.S.), the Doctor of Audiology (Au.D.), the Doctor of Education in educational leadership (Ed.D.), the Doctor of Physical Therapy (D.P.T.), and Doctor of Philosophy (Ph.D.) in 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, 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
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	Liberal Arts and Sciences
Art	Linguistics
Asian Studies	Mathematics
Biology	Music
Chemistry	Philosophy
Chicana and Chicano Studies	Physics
Communication	Political Science
Economics	Psychology
Education	Rhetoric and Writing Studies
English	Sociology
French	Spanish
Geography	Speech, Language, and Hearing Sciences
History	Teaching
Interdisciplinary Studies	Theatre Arts
Latin American Studies	Women's Studies
Learning Design and Technology	

Master of Science

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

- Accountancy
- Aerospace Engineering
- Applied Mathematics
- Astronomy
- Big Data Analytics
- Bioengineering
- Bioinformatics and Medical Informatics
- Biology
- Business Administration
- Chemistry
- Child Development
- Civil Engineering
- Computational Science
- Computer Science
- Counseling
- Criminal Justice and Criminology
- Cybersecurity Management
- Electrical Engineering
- Epidemiology
- Exercise Physiology
- Geography
- Geological Sciences
- Gerontology
- Global Business Development
- Homeland Security
- Hospitality and Tourism Management
- Information Systems
- Interdisciplinary Studies
- Kinesiology
- Mechanical Engineering
- Medical Physics
- Meeting and Event Management
- Microbiology
- Nursing
- Nutritional Sciences
- Physics
- 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 (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

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
- Educational Leadership
- Elementary Curriculum and Instruction
- 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
- Nursing Education
- Nursing Leadership in Health Care Systems

Psychology (M.S.)

- Concentrations:*
- Applied Psychology: Industrial and Organizational Psychology
- Applied Psychology: Quantitative Methods
- 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
- Speech-Language Pathology
- Speech-Language Pathology: Bilingual

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

Summary of Curricula Offered

Credentials Offered

Added Authorizations

- Bilingual, with an emphasis in biliteracy for K-12
- Early Childhood Special Education Reading and Literacy

Teaching Credentials

- Multiple subject; internship
- Multiple subject bilingual 2042
- 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; mild/moderate disabilities and moderate to severe disabilities credential
 - 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
- Biomedical Quality Systems
- Children's/Adolescent Literature
- Cognitive Disabilities
- Communication Systems
- Community College Teaching
- Data Analytics
- Developing Gifted Potential
- Distance Education
- Dual Language Academic Literacy
- Early Childhood Special Education
- Early Childhood Transdisciplinary Education and Mental Health
- English Language Development for Academic Literacy
- Executive Financial Planner
- Instructional Design
- Intellectual Property and Regulatory Affairs
- Instructional Technology
- Lesbian, Gay, Bisexual, Transgender, Queer, and Plus Studies
- Meeting and Event Management
- Preventive Medicine Residency
- Professional Computational Science
- Psychiatric Rehabilitation
- Public Health
- Regulatory Affairs
- Rehabilitation Administration
- Rehabilitation Counseling
- Rehabilitation Technology
- Residency Training In Radiation Therapy
- Physics
- Restorative Justice Practice and Trauma-Informed Care
- Social Work Administration
- Supported Employment and Transition Specialist
- Taxation
- 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 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. Students are ineligible to pursue two advanced certificates concurrently. Courses applied toward one advanced certificate cannot be used toward the completion of a second 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 six 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 toward 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.