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.

4. **Preprofessional and nondegree curricula:** Programs are offered in allied health, preclinical, 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 Public Administration, 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 (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 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
- 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
- Theatre Arts
- Interdisciplinary Studies
- Women's Studies
- Latin American Studies
- Liberal Arts and Sciences
- Women's 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

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 (MS)
Concentrations:
multicultural 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):
biochemistry
environmental health
epidemiology
health management and policy
health promotion and behavioral science
Concentrations (MS):
environmental health sciences
Concentrations (PhD):
epidemiology
global health
health behavior

Rehabilitation Counseling (MS)
Concentration:
clinical rehabilitation and clinical mental health counseling

Speech, Language, and Hearing Sciences (MA)
Concentration:
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)
Concentration:
acting
design and technology
musical theatre

Credentials Offered

Added Authorizations
Early childhood special education added authorization
Reading and literacy added authorization

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

Specialist Credentials
BCLAD

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 special education
Certificate in early childhood transdisciplinary education and mental health
Certificate in educational facility planning
Certificate in English language development for academic literacy
Certificate in executive financial planner
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 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 advancement 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 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. Basic certificates are only offered at the undergraduate level and are not open for admission to post-baccalaureate students. Basic certificates are administered by the Division of Undergraduate Studies.