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# 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.

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, community health nursing, nursing education, 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, pre legal, pre medical, 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 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, 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 DOCTORATE

The professional doctorate degree is offered in the following field:  
Audiology

### 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	Teaching
History	Television, Film and New Media Production
Interdisciplinary Studies	Media Production
Kinesiology	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	Exercise Physiology
Aerospace Engineering	Geography
Applied Mathematics	Geological Sciences
Astronomy	Gerontology
Bioengineering	Homeland Security
Bioinformatics and Medical Informatics	Interdisciplinary Studies
Biology	Mechanical Engineering
Biomedical Quality Systems	Microbiology
Business Administration	Nursing
Chemistry	Nutritional Sciences
Child Development	Physics
Civil Engineering	Psychology
Computational Science	Public Health
Computer Science	Radiological Health Physics
Counseling	Regulatory Affairs
Criminal Justice and Criminology	Rehabilitation Counseling
Electrical Engineering	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 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

### **Counseling (MS)**

*Concentrations:*  
marriage 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  
community health nursing  
nursing education  
nursing leadership in health care systems

### **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, levels I and II; internship credential  
Moderate/severe disabilities, levels I and II; 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 transborder public administration governance  
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.



### Types of Degrees Offered by Major

Majors	Graduate Curricula		
	M.A., M.F.A.	M.S., Ed.S., M.A.T.	Au.D., Ph.D., Ed.D.
Accountancy .....	-	M.S.	-
Accounting .....	-	-	-
Aerospace engineering .....	-	M.S.	-
Africana studies .....	-	-	-
American Indian studies .....	-	-	-
Anthropology .....	M.A.	-	-
Applied mathematics .....	-	M.S.	-
Art .....	M.A., M.F.A.	-	-
Asian studies .....	M.A.	-	-
Astronomy .....	-	M.S.	-
Audiology .....	-	-	Au.D.
Bioengineering .....	-	M.S.	Ph.D.
Bioinformatics and medical informatics .....	-	M.S.	-
Biology .....	M.A.	M.S.	Ph.D.
Biomedical quality systems .....	-	M.S.	-
Business administration .....	M.B.A.	M.S.	-
Business administration and juris doctor .....	M.B.A./J.D.	-	-
Business administration/Latin American studies .....	M.B.A./M.A.	-	-
Chemical physics .....	-	-	-
Chemistry .....	M.A.	M.S.	Ph.D.
Chicana and Chicano studies .....	M.A.	-	-
Child development .....	-	M.S.	-
City planning .....	-	M.C.P.	-
Civil engineering .....	-	M.S.	-
Classics .....	-	-	-
Clinical psychology .....	-	-	Ph.D.
Communication .....	M.A.	-	-
Comparative literature .....	-	-	-
Computational science .....	-	M.S.	Ph.D.
Computer engineering .....	-	-	-
Computer science .....	-	M.S.	-
Construction engineering .....	-	-	-
Counseling .....	-	M.S.	-
Creative writing .....	M.F.A.	-	-
Criminal justice .....	-	-	-
Criminal justice and criminology .....	-	M.S.	-
Dance .....	-	-	-
Ecology .....	-	-	Ph.D.
Economics .....	M.A.	-	-
Education .....	M.A.	M.A.T.	Ph.D.
Educational leadership .....	-	-	Ed.D.
Educational technology .....	-	-	Ed.D.
School psychology .....	-	Ed.S.	-
Teaching and learning .....	-	-	Ed.D.
Electrical and computer engineering .....	-	-	Ph.D.
Electrical engineering .....	-	M.S.	-
Engineering .....	-	M.Eng.	Ph.D.
English .....	M.A.	-	-
Environmental engineering .....	-	-	-
Environmental sciences .....	-	-	-
European studies .....	-	-	-
Evolutionary biology .....	-	-	Ph.D.
Exercise physiology .....	-	M.S.	-
Exercise physiology and nutritional science .....	-	M.S./M.S.	-
Finance .....	-	-	-
Financial services .....	-	-	-
Foods and nutrition .....	-	-	-
French .....	M.A.	-	-
Geography .....	M.A.	M.S.	Ph.D.
Geological sciences .....	-	M.S.	-
Geophysics .....	-	-	Ph.D.
German .....	-	-	-
Gerontology .....	-	M.S.	-
Health science .....	-	-	-
History .....	M.A.	-	-

## Types of Degrees Offered by Major – continued

Majors	Graduate Curricula		
	M.A., M.F.A.	M.S., Ed.S.	Au.D., Ph.D., Ed.D.
Homeland security .....	-	M.S.	-
Hospitality and tourism management .....	-	-	-
Humanities .....	-	-	-
Information systems .....	-	-	-
Interdisciplinary studies .....	M.A.	M.S.	-
International business .....	-	-	-
International security and conflict resolution.....	-	-	-
Japanese.....	-	-	-
Journalism .....	-	-	-
Juris doctor and business administration .....	M.B.A./J.D.	-	-
Juris doctor and social work .....	-	M.S.W./J.D.	-
Kinesiology .....	M.A.	-	-
Language and communicative disorders .....	-	-	Ph.D.
Latin American studies.....	M.A.	-	-
Latin American studies/business administration .....	M.A./M.B.A.	-	-
Latin American studies/public administration ..	M.A./M.P.A.	-	-
Latin American studies and public health.....	M.A./M.P.H.	-	-
Liberal arts and sciences.....	M.A.	-	-
Liberal studies.....	-	-	-
Linguistics .....	M.A.	-	-
Management .....	-	-	-
Marketing .....	-	-	-
Mathematics .....	M.A.	-	-
Mathematics and science education .....	-	-	Ph.D.
Mechanical engineering.....	-	M.S.	-
Mechanical and aerospace engineering .....	-	-	Ph.D.
Microbiology.....	-	M.S.	-
Modern Jewish studies .....	-	-	-
Music.....	M.A.	M.M.	-
Nursing.....	-	M.S.	-
Nutritional sciences .....	-	M.S.	-
Nutritional science and exercise physiology....	-	M.S./M.S.	-
Philosophy.....	M.A.	-	-
Physical science .....	-	-	-
Physics .....	M.A.	M.S.	-
Political science .....	M.A.	-	-
Psychology .....	M.A.	M.S.	Ph.D.
Public administration .....	M.P.A.	-	-
Public administration/Latin American studies ..	M.P.A./M.A.	-	-
Public health.....	-	M.P.H., M.S.	Ph.D.
Public health and Latin American studies.....	-	M.P.H./M.A.	-
Public health and social work .....	-	M.S.W./M.P.H.	-
Radiological health physics .....	-	M.S.	-
Real estate .....	-	-	-
Recreation administration.....	-	-	-
Regulatory affairs .....	-	M.S.	-
Rehabilitation counseling .....	-	M.S.	-
Religious studies .....	-	-	-
Rhetoric and writing studies.....	M.A.	-	-
Russian.....	-	-	-
Russian and Central European studies.....	-	-	-
Social science .....	-	-	-
Social work .....	-	M.S.W.	-
Social work and juris doctor.....	-	M.S.W./J.D.	-
Social work and public health .....	-	M.S.W./M.P.H.	-
Sociology.....	M.A.	-	-
Spanish .....	M.A.	-	-
Speech, language, and hearing sciences .....	M.A.	-	-
Statistics .....	-	M.S.	-
Structural engineering.....	-	-	Ph.D.
Television, film and new media production .....	M.A.	-	-
Theatre arts .....	M.A., M.F.A.	-	-
Urban studies .....	-	-	-
Women's studies .....	M.A.	-	-

