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 premedical, 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, 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 Professional Doctorate in audiology, the Doctor of Education, the Doctor of Education in educational leadership, the Doctor of Physical Therapy, and the Doctor of Philosophy 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
San Diego State University offers the following degrees:

- Bachelor of Arts
- Bachelor of Fine Arts (Dance)
- Bachelor of Music
- Bachelor of Science
- Master of Arts in Teaching
- Master of Science
- Master of Business Administration
- Master of Business Administration and Juris Doctor
- Master of City Planning
- Master of Engineering
- Master of Fine Arts (Art, Creative Writing, Film and Television Production, Theatre Arts)
- Master of Music
- Master of Public Administration
- Master of Public Health
- Master of Social Work
- Master of Social Work and Juris Doctor
- Master of Social Work and Master of Public Health
- Educational Specialist in School Psychology
- Doctor of Audiology
- Doctor of Education
- Doctor of Philosophy
- Doctor of Physical Therapy
### Types of Degrees Offered by Major

<table>
<thead>
<tr>
<th>Majors</th>
<th>Applied Arts and Sciences</th>
<th>Liberal Arts and Sciences</th>
<th>Graduate Curricula</th>
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*# An emphasis within the B.S. in Business Administration*
### Summary of Curricula Offered

#### Types of Degrees Offered by Major (continued)

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<thead>
<tr>
<th>Majors</th>
<th>Applied Arts and Sciences</th>
<th>Liberal Arts and Sciences</th>
<th>Graduate Curricula</th>
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# An emphasis within the B.S. in Business Administration
Emphases and Concentrations

An emphasis or concentration is defined as an aggregate of courses within a degree major designed to give a student specialized knowledge, competence, or skill. Completion of an emphasis or concentration is noted on the student’s transcript and diploma for undergraduate students.

Baccalaureate Emphases

Art (B.A., Liberal Arts and Sciences)
Emphases:
- Art History
- Studio Arts

Art (B.A., Applied Arts and Sciences)
Emphases:
- Applied Design
- Graphic Design
- Interior Architecture
- Multimedia
- Painting and Printmaking
- Sculpture

Asian Studies
(B.A., Liberal Arts and Sciences)
Emphasis:
- Chinese Studies and Language

Biology (B.S., Applied Arts and Sciences)
Emphases:
- Cellular and Molecular Biology
- Ecology
- Evolutionary Biology
- Marine Biology
- Zoology

Chemistry (B.A., Applied Arts and Sciences)
Emphasis:
- Integrated Teacher Education Program (ITEP-SS)

Chemistry (B.S., Applied Arts and Sciences)
Emphasis:
- Biochemistry

Classics (B.A., Liberal Arts and Sciences)
Emphases:
- Classical Humanities
- Classical Language Classical Languages with Honors

Communication
(B.A., Liberal Arts and Sciences)

Economics (B.A., Liberal Arts and Sciences)
Emphases:
- International Economics
- Public Policy

Geography (B.A., Applied Arts and Sciences)
Emphasis:
- General Geography

Geography (B.A., Liberal Arts and Sciences)
Emphases:
- Environment, Sustainability, and Policy
- Geographic Information Science and Technology
- Human Geography and Global Studies

Geography (B.S., Applied Arts and Sciences)
Emphases:
- Geographic Information Science and Technology
- Water, Climate, and Ecosystems

Geological Sciences
(B.S., Applied Arts and Sciences)
Emphases:
- General Geology
- Engineering Geology
- Environmental Geosciences
- Geophysics
- Hydrogeology
- Paleontology

German (B.A., Liberal Arts and Sciences)
Emphasis:
- German Studies

Hospitality and Tourism Management
(B.S., Applied Arts and Sciences)
Emphases:
- Hotel Operations and Management
- Meetings and Events Operations and Management
- Restaurant Operations and Management
- Tribal Gaming Operations and Management

Humanities (B.A., Liberal Arts and Sciences)
Emphasis:
- European Humanities

International Business
(B.A., Liberal Arts and Sciences)
Emphases in language:
- Arabic
- Chinese
- English
- French
- German
- Italian
- Japanese
- Korean
- Portuguese
- Russian
- Spanish
Emphases in regional/cultural studies:
- Africa/French
- Asia/Chinese
- Asia/Japanese
- Asia/Korean
- Latin America/Portuguese
- Latin America/Spanish
- Middle East and North Africa/Arabic
- North America/English
- North America/French
- Central Europe/Russian
- Western Europe/French
- Western Europe/German
- Western Europe/Italian
- Western Europe/Portuguese
- Western Europe/Spanish

Journalism (B.A., Liberal Arts and Sciences)
Emphases:
- Advertising
- Media Studies
- Public Relations

Kinesiology (B.S., Applied Arts and Sciences)
Emphases:
- Exercise Science Generalist
- Fitness Specialist
- Prephysical Therapy

Liberal Studies
(B.A., Applied Arts and Sciences)
Emphases:
- Education-Generalist
- Elementary Education
- Integrated Teacher Education Program (ITEP-SS)
- Mathematics Science

Mathematics
(B.A., Applied Arts and Sciences)
Emphasis:
- Integrated Teacher Education Program (ITEP-SS)

Mathematics
(B.S., Applied Arts and Sciences)
Emphases:
- Applied Mathematics
- Computational Science
- Mathematics Education
- Science

Mechanical Engineering
(B.S., Applied Arts and Sciences)
Emphasis:
- Bioengineering

Microbiology
(B.S., Applied Arts and Sciences)
Emphasis:
- Clinical Laboratory Science

Psychology (B.A., Liberal Arts and Sciences)
Emphasis:
- Industrial and Organizational Psychology

Public Administration
(B.A., Applied Arts and Sciences)
Emphasis:
- City Planning

Recreation Administration
(B.S., Applied Arts and Sciences)
Emphases:
- Outdoor Resource Management
- Recreation Systems Management
- Sustainable Tourism Management

Social Science
(B.A., Liberal Arts and Sciences)
Emphasis:
- Integrated Teacher Education Program (ITEP-SS)

Statistics (B.S., Applied Arts and Sciences)
Emphases:
- Actuarial Science
- Data Science

Television, Film and New Media
(B.S., Applied Arts and Sciences)
Emphases:
- Critical Studies
- Production

Theatre Arts
(B.A., Applied Arts and Sciences)
Emphases:
- Design and Technology
- Design for Television and Film
- Performance
- Youth Theatre

Graduate Concentrations

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
Summary of Curricula Offered

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

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

**Computational Science**
Concentrations (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**
Concentrations (M.A.):
- Counseling
- Dual Language and English Learner Education
- Educational Leadership
- Elementary Curriculum and Instruction
- Mathematics Education
- Reading Education
- Secondary Curriculum and Instruction
- Special Education

**Geography**
Concentrations (M.S.):
- 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: 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

**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

**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
- 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
  - School Psychology
  - School Counseling
  - School Nurse Services
  - Speech Language Pathology

**Service Credentials**
- Administrative; internship
- Pupil Personnel:
  - Child Welfare and Attendance
  - School Counseling
  - School Nurse
  - School Psychology
  - School Social Work
  - School Nurse Services

**Minors for the Bachelor's Degree**
- Accounting
- Air Force Leadership Studies
- African Studies
- Africana Studies
- American Indian Studies
- Anthropology
- Art
- Art History
- Asian Studies
- Astronomy
- Biology
- Business Administration
- Chemistry
- Chicana and Chicano Studies
- Child Development
- Children's Literature
- Chinese
- Chinese Studies
- Classics
- Communication
- Comparative Literature
- Computer Science
- Counseling and Social Change
- Creative Editing and Publishing
- Creative Writing
- Cultural Proficiency
- Dance
- Digital and Social Media Studies
- Economics
- Energy Studies
- Engineering
- English
- Entrepreneurship
- European Studies
- Finance
- French
- Geography
- Geological Sciences
- German
- Gerontology
- History
- Honors in Interdisciplinary Studies
- Humanities
- Information Systems
- International Security and Conflict Resolution
- International Studies, PSFA
- Islamic and Arabic Studies
- Italian
- Japanese
- Japan Studies
- Judaic Studies
- Latin American Studies
- Leadership Development
- Learning Design and Technology
- Lesbian, Gay, Bisexual, Transgender, Queer, and Plus (LGBTQ+) Studies
- Linguistics
- Management
- Marketing
- Mathematics
- Military Science
- Music
- Naval Science
- Oceanography
- Philosophy
- Physics
- Political Science
- Portuguese and Brazilian Studies
- PSFA International Studies
- Psychology
- Public Administration
- Public Health
- Real Estate
- Recreation
- Religious Studies
- Rhetoric and Writing Studies
- Russian
- Science, Technology, and Society Studies
- Social Work
- Sociology
- Somatic Studies
- Spanish
- Statistics
- Sustainability
- Teaching English as a Second or Foreign Language (TESL/TEFL)
- Television, Film and New Media
- Text Analytics
- Theatre Arts
- United States-Mexican Border Studies
- Women's Studies

SDSU General Catalog
Summary of Curricula Offered

Special Curricula
Preprofessional Curricula
Predental
Prelegal
Premedical
Preveterinary

Military Curricula
Aerospace Studies (AFROTC)
Military Science (ROTC)
Naval Science (NROTC)

Certificate Programs (nondegree)
Applied Gerontology
Artist Diploma
Behavior Analysis
Bilingual (Spanish) Special Education
Bilingual Speech-Language Pathology
Biomedical Quality Systems
Biotechnology
Brazilian Studies
Business Administration (SDSU Imperial Valley Only)
Children’s/Adolescent Literature
Children’s Literature
Cognitive Disabilities
Communication
Communication Systems
Community College Teaching
Computational Linguistics
Creative Editing and Publishing
Creative Writing
Data Analytics
Developing Gifted Potential
Distance Education
Dual Language for Academic Literacy
Early Care and Education
Early Childhood Transdisciplinary Education and Mental Health
English Language Development for Academic Literacy
Entertainment Management
Environmental Studies
Executive Financial Planner
Family Life Education
Geographic Information Science
Global Religious Literacy
Health Communication
Human Rights
Indian Religions, Cultures, and Traditions
Industrial/Organizational Psychology
Institutional Research, Planning, and Assessment
Instructional Design
Instructional Technology
Intellectual Property and Regulatory Affairs
International Media
Korean Studies
Lesbian, Gay, Bisexual, Transgender, Queer, and Plus (LGBTQ+) Studies
Meeting and Event Management
Performance
Personal Financial Planning
Pop Culture
Preventive Medicine Residency
Professional Computational Science
Professional Writing
Psychiatric Rehabilitation
Public Administration (SDSU Imperial Valley Only)
Public Health
Public Law
Regulatory Affairs
Rehabilitation Administration
Rehabilitation Counseling
Rehabilitation Technology
Residency Training in Radiation Therapy Physics
Restorative Justice Practice and Trauma-Informed Care
Single Subject Mathematics
Social Work Administration
Spanish for the Professions
Spanish Translation and Interpretation Studies
Supported Employment and Transition Specialist
Taxation
Teaching English as a Second or Foreign Language (TESL/TEFL)
Teaching of Writing
Text Analytics
United States-Mexico Border Studies
Web and Mobile Applications Development
Women’s Studies
Workforce Education and Lifelong Learning

The following non-academic credit programs are available through SDSU Global Campus only.
Business of Craft Beer
Business of Wine
Civil Sitework Construction Online
Construction Estimating Online
Construction Practices Online
Construction Project Management Online
Construction Supervision Online
Contract Management
Cultural Competence for Educators
Grant Writing
Health Care (Clinical Medical Assistant, EKG Technician, Pharmacy Technician Training, and Test Preparation)
Human Resource Management
Lean Enterprise
Lean Six Sigma
Management and Leadership
Marketing
Meeting and Event Planning
Nutrition for Optimal Health and Wellness
Occupational Health and Safety Management
Project Management
Teaching English as a Second Language