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, nursing education, nursing leadership in health care systems, and women's health and midwifery), a Doctor of Nursing Practice (DNP), 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 Nursing Practice, 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
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 Nursing Practice
Doctor of Philosophy
Doctor of Physical Therapy
## Summary of Curricula Offered

### 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

#### Majors

<table>
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<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 Majors**

**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 Design
- Multimedia
- Painting and Printmaking

**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
- Evolution and Systematics
- Marine Biology
- Zoology

**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)**

**Emphases:**
- International Economics
- Public Policy

**Environmental Sciences (B.S., Applied Arts and Sciences)**

**Emphasis:**
- Watershed Science

**Geography (B.A., Applied Arts and Sciences)**

**Emphasis:**
- Foundations of Geography

**Geography (B.A., Liberal Arts and Sciences)**

**Emphases:**
- Integrative Geography
- Environment and Society
- Human Geography and Global Studies
- Methods of Geographic Analysis

**Geography (B.S., Applied Arts and Sciences)**

**Emphases:**
- Environmental and Physical Geography
- Geographic Information Science

**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
- Mathematics
- Science

**Mathematics (B.S., Applied Arts and Sciences)**

**Emphases:**
- Applied Mathematics
- Computational Science
- Science

**Mechanical Engineering (B.S., Applied Arts and Sciences)**

**Emphasis:**
- Bioengineering

**Microbiology (B.S., Applied Arts and Sciences)**

**Emphasis:**
- Clinical Laboratory Science and Public Health
- Microbiology

**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:**
- Islamic and Arabic Studies

**Statistics (B.S., Applied Arts and Sciences)**

**Emphases:**
- Actuarial Science
- Statistical Computing

**Television, Film and New Media (B.S., Applied Arts and Sciences)**

**Emphasizes:**
- Critical Studies
- Production

**Theatre Arts (B.A., Applied Arts and Sciences)**

**Emphases:**
- Design and Technology for Theatre
- Design for Television and Film
- Performance: Acting and Musical Theatre
- Youth Theatre

**Graduate Majors**

**Applied Mathematics (M.S.)**

**Concentrations:**
- Dynamical Systems
- Mathematical Theory of Communication Systems

**Art (M.A.)**

**Concentrations:**
- Art History
- Studio Arts

**Bioinformatics and Medical Informatics (MS)**

**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 (MS))**

**Concentration:**
- 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**

**Concentrations (M.A.):**
- 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**

**Concentrations (M.S.)**

**Concentration:**
- 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
## Summary of Curricula Offered

### Service Credentials
- Administrative internships
- Pupil Personnel
- Child Welfare and Attendance
- School Counseling
- School Nurse
- School Psychology; internship
- School Social Work
- School Nurse Services
- Speech Language Pathology

### Special Curricula
- **Preprofessional Curricula**
  - Preliminary:
    - Prelegal
    - Premedical
    - Preveterinary
  - Military Curricula:
    - Aerospace Studies (AFROTC)
    - Military Science (ROTC)
    - Naval Science (NROTC)

### Certificate Programs (nondegree)
- Accounting
- Applied Gerontology
- Artist Diploma
- Behavior Analysis
- Bilingual (Spanish) Special Education
- Bilingual Speech-Language Pathology
- Biotechnology
- Business Administration
- Children's/Adolescent Literature
- Comparative Literature
- Computer Science
- Counseling and Social Change
- Creative Editing and Publishing
- Creative Writing
- Dance
- Digital and Social Media Studies
- Economics
- Energy Studies
- Engineering
- English
- Entrepreneurship
- European Studies
- Finance
- French
- Geography
- Geological Sciences
- German
- Geontology
- History
- Honors in Interdisciplinary Studies
- Humanities
- Information Systems
- International Security and Conflict Resolution
- International Studies, PSFA
- Italian
- Islamic and Arabic Studies
- Japanese
- Japan Studies
- Judaic Studies
- Latin American Studies
- Leadership Development
- Learning Design and Technology
- Lesbian, Gay, Bisexual, and Transgender Studies
- Linguistics
- Management
- Marketing
- Mathematics
- Military Science
- Music
- Naval Science
- Oceanoigraphy
- 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
- Social Work
- Sociology
- Spanish
- Statistics
- Sustainability
- Teaching English as a Second or Foreign Language (TESL/TEFL)
- Television, Film and New Media
- Theatre Arts
- United States-Mexico Border Studies
- Women's Studies

### 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

**Cognitive Disabilities**
- Communication
- Computer Systems
- Community College Teaching
- Computerized Linguistics
- Creative Editing and Publishing
- Creative Writing
- Developing Gifted Potential
- Distance Education
- Dual Language for Academic Literacy
- Early Childhood-Socio-Emotional and Behavior
- Regulation Intervention Specialist
- Early Care and Education
- Early Childhood Special Education
- Educational Facility Planning
- English Language Development for Academic Literacy
- Entertainment Management
- Environmental Studies
- Executive Financial Planner
- Family Life Education
- Geographic Information Science
- Health Communication
- Industrial/Organizational Psychology
- Institutional Research, Planning, and Assessment
- Instructional Design
- Instructional Technology
- Intellectual Property and Regulatory Affairs
- International Media
- International Security and Trade
- Korean Studies
- Lesbian, Gay, Bisexual, and Transgender Studies
- Linked Learning
- Mathematics Specialist
- Mental Health Recovery and Trauma Informed Care
- Nursing Education
- Performance
- Personal Financial Planning
- Preventive Medicine Residency
- Professional Computational Science
- Professional Writing
- Psychiatric Rehabilitation
- Public Administration
- Public Health
- Public Law
- Reading and Literacy Added Authorization
- Regulatory Affairs
- Rehabilitation Administration
- Rehabilitation Counseling
- Rehabilitation Technology
- Residency Training in Radiation Therapy Physics
- Single Subject Mathematics
- Social Work Administration
- Supported Employment and Transition Specialist
- Teaching English as a Second or Foreign Language (TESL/TEFL)
- Teaching Writing
- Translation and Interpretation Studies (Spanish)
- 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 College of Extended Studies 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
  - 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