PART FIVE

Summary of Curricula Offered

Course Information
  • Accreditation
  • Course Abbreviations

Courses and Curricula
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 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 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 degree 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, language and communicative disorders, mathematics and science education, and public health.

**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)
- 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
- Language and Communicative Disorders
- Mathematics and Science Education
- Public Health/Epidemiology
- Public Health/Global Health
- Public Health/Health Behavior
- PreK-12 Leadership
- Community College/Postsecondary Leadership
- Rhetoric and Writing Studies
- Political Science
- Psychology
- Sociology
- Anthropology
- Linguistics
- Art
- Mathematics
- Music
- Philosophy
- Physics
- Chicana and Chicano Studies
- Communication
- Economics
- Education
- English
- French
- Geography
- History
- Interdisciplinary Studies
- Kinesiology
- Latin American Studies
- Liberal Arts and Sciences
- Television, Film and New Media Production
- Theatre Arts
- Women's Studies
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
- Geography
- Geological Sciences
- Gerontology
- Homeland Security
- Hospitality and Tourism Management
- Information Systems
- Interdisciplinary Studies
- Mechanical Engineering
- Medical Physics
- Microbiology
- Nutritional Sciences
- Physics
- 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** (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:
    - marriage and family therapy
    - school counseling

- **Education** (MA)
  - Concentrations:
    - counseling
dual language and English learner education
educational leadership
educational research
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
    - industrial and organizational psychology
    - clinical psychology (included within the PhD program; not available separately)

- **Public Administration** (MPA)
  - Concentrations:
    - city planning
    - criminal justice administration
Summary of Curricula Offered

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

Teaching (MAT)

Concentrations:
- elementary education
- language arts education (summer only)
- mathematics education
- reading/language arts education
- science education
- secondary education

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 2042
Single subject; internship
Single subject cross-cultural language and academic development (CLAD) emphasis
Single subject bilingual 2042

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, 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; internship
- School social work
- School nurse services
- Speech language pathology

Graduate Certificate Programs (nondegree)

Certificate in academic literacy development for English language learners
Certificate in algebra specialist
Certificate in artist diploma
Certificate in behavior analysis
Certificate in bilingual speech-language pathology
Certificate in biomedical quality systems
Certificate in children's/adolescent literature
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 literacy
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 international security and trade
Certificate in lesbian, gay, bisexual, and transgender studies
Certificate in linked learning
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 public health
Certificate in reading
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 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. 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. It is the student's responsibility to maintain a grade point average of at least 3.0 in all certificate courses, earn at least a grade of C (or higher 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. Courses used towards the fulfillment of a basic certificate cannot be used to fulfill the requirements for an advanced certificate.
Course Information

This section contains the specific requirements for all graduate degrees authorized at San Diego State University by the board of trustees of the California State University. These specific requirements of departments or schools supplement and are in addition to the basic requirements for advanced degrees as stated in Part Four of this bulletin. All official master’s degree programs must be prepared in conformity with the specific requirements for the degree in question.

In addition, courses acceptable for credit toward an advanced degree are listed under major fields and areas of concentration. Each course is listed by department number, title, and units. Not all courses are offered every semester or every academic year. Ordinarily each listed course will be offered not less than once during a two-year period. Refer to the Class Schedule for a listing of course offerings.

San Diego State University reserves the right to withdraw any course listed in the Class Schedule for which the enrollment is not sufficient to warrant the organization of a class.

Absence from Class

Instructor Initiated Drop Policy

Students who do not attend the first class session and the beginning of the second class session of a course may be dropped from that course by the instructor within the first eight class days of the semester. Students who do not meet prerequisite requirements can also be dropped within the first eight class days of the semester. Any student dropped by the instructor during this period will be notified of the action by e-mail. It is the student’s responsibility to keep a current e-mail address on file through the SDSU WebPortal at http://www.sdsu.edu/portal. To reenroll, the student must receive an add code from the instructor and reenroll in the course by 11:59 p.m. on the 10th day from the first day of classes. Summer deadlines vary by session. Consult the Class Schedule for specific dates.

NOT ALL INSTRUCTORS WILL DROP STUDENTS WHO MISS THE FIRST CLASS SESSION OR FOR LACK OF PREREQUISITES. Students are responsible for all courses on their schedules. Students should check their online schedules regularly and take necessary action to add or drop during the schedule adjustment period.

Religious Observances

By the end of the second week of classes, students should notify the instructors of affected courses of planned absences for religious observances. Instructors shall reasonably accommodate students who notify them in advance of planned absences for religious observances.

Schedule Adjustment Policy

The schedule adjustment period allows you to drop a course, add a course, withdraw from the university, and change the grading basis of a course. The schedule adjustment deadline is at 11:59 p.m. on the 10th day from the first day of classes. You are not allowed to make any schedule adjustments after this deadline and are responsible for knowing the current semester’s date for this deadline, which can be found on the academic calendar and the Class Schedule registration notice. Summer deadlines vary by session. Consult the Class Schedule for specific dates.

Credit Hour or Unit

As of July 1, 2011, federal law (Title 34, Code of Federal Regulations, sections 600.2 and 600.4) requires all accredited institutions to comply with the federal definition of the credit hour. For all CSU degree programs and courses bearing academic credit, the “credit hour” is defined as “the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks for one semester or trimester hour of credit, or 10 to 12 weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours."

A credit hour is assumed to be a 50-minute period. In courses in which “seat time” does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

Prerequisites for Graduate Courses

Students must satisfy course prerequisites (or their equivalent) prior to beginning the course requiring the prerequisite. Faculty have the authority to enforce prerequisites listed in the bulletin, to evaluate equivalent preparation, and to require proof that such prerequisites/preparation have been completed. Faculty may, during the first week of classes, request students without the prerequisites or equivalent preparation to take formal action to drop the course. Failure to comply will result in a failing grade.

Special Topics Courses 596 and 696

No more than 12 units of coursework numbered 596 and/or 696 may be applied to a graduate degree or advanced certificate program. Special topics courses may also not constitute more than half the units toward a degree or certificate program.

Special Prerequisites for Registration in 798 and 799A

Registration in course 798, Special Study, must be arranged through the instructor, the major adviser, and the chair of the department concerned. Forms for this purpose are available in the departmental offices.

Only those students who have been advanced to candidacy and who have an officially appointed thesis committee are permitted to register for course 799A. Thesis. The student must obtain clearance for registration in this course from the Division of Graduate Affairs. Failure to obtain this clearance may result in cancellation of enrollment.

Thesis Extension (799B)

This course is intended solely for those graduate students who have had prior registration in Thesis 799A with an assigned grade symbol of SP or RP.

Comprehensive Examination Extension (799C)

Enrollment in 799C (0 units) is intended solely for those graduate students who have completed all degree requirements except for the comprehensive examination (Plan B) option. Enrollment in 799C is not necessary if a student is enrolled in other coursework during the semester they take the comprehensive examination. Enrollment in 799C is limited to two semesters.

Special Prerequisite for Registration in 899

Registration in course 899, Doctoral Dissertation, is limited to those doctoral students who have been advanced to candidacy and who have an officially appointed dissertation committee.

Online and Hybrid Courses

Certain courses may be offered as online (distance education) or hybrid (combination online and in-person). The online and hybrid courses offered each term can be found in the Class Schedule.

Faculty Office Hours

All faculty members are required to hold regularly scheduled office hours during the week to allow for student consultation. A schedule of those hours is posted outside each faculty member’s office door.
Accreditation

San Diego State University is accredited by the Accrediting Commission for Senior Colleges and Universities of the Western Association of Schools and Colleges, 985 Atlantic Avenue, Suite 100, Alameda CA 94501, 510-748-9061; FAX 510-748-9797; e-mail: wasc@wascsenior.org; http://www.wasweb.org. It is also approved to train veterans under the G.I. Bill.

San Diego State University’s programmatic accreditation is through membership in the following associations:

- Accreditation Council for Graduate Medical Education (Preventive Medicine Residency Program) 515 N. State Street, Suite 2000 Chicago, IL 60654 312-755-7498
- American College of Nurse Midwives Accreditation Commission for Midwifery Education 8403 Coleville Road, Suite 1550 Silver Spring, MD 20910-6374 240-485-1802, http://www.midwife.org
- California Commission on Teacher Credentialing 1900 Capitol Avenue Sacramento, CA 95811 888-921-2682, http://www.ctc.ca.gov

In addition, San Diego State University is accredited by the following agencies:

- The College of Business Administration and the School of Accountancy are accredited by AACSB International—The Association to Advance Collegiate Schools of Business—at both the undergraduate and graduate levels. Several College of Business Administration programs are registered with the Certified Financial Planner Board of Standards, 1425 K Street, NW, Suite 500, Washington, D.C. 20005, 202-379-2200.
- The College of Engineering undergraduate programs in aerospace engineering, civil engineering, computer engineering, construction engineering, electrical engineering, environmental engineering and mechanical engineering are accredited by the Engineering Accreditation Commission (EAC) of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, 410-347-7700.
- The School of Journalism and Media Studies programs in advertising, journalism, and public relations are accredited by the Accrediting Council on Education in Journalism and Mass Communication, Stauffer-Flint Hall, 1435 Jayhawk Boulevard, Lawrence, KS 66045-7575, 785-864-3973, http://www2.ku.edu/~acejmc.
- The School of Nursing is accredited by the California Board of Registered Nursing, State of California, Department of Consumer Affairs, 400 H Street, Suite 4030, Sacramento, CA 95814, 916-322-3350.
- The College of Business Administration and the School of Accountancy are accredited by the American Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202, 410-347-7700.
- The College of Engineering undergraduate programs in aerospace engineering, civil engineering, computer engineering, construction engineering, electrical engineering, environmental engineering and mechanical engineering are accredited by the Engineering Accreditation Commission (EAC) of ABET, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, 410-347-7700.
- The School of Journalism and Media Studies programs in advertising, journalism, and public relations are accredited by the Accrediting Council on Education in Journalism and Mass Communication, Stauffer-Flint Hall, 1435 Jayhawk Boulevard, Lawrence, KS 66045-7575, 785-864-3973, http://www2.ku.edu/~acejmc.
- The School of Nursing is accredited by the California Board of Registered Nursing, State of California, Department of Consumer Affairs, 400 H Street, Suite 4030, Sacramento, CA 95814, 916-322-3350.
- National Council on Rehabilitation Education c/o Charles Arokiasamy, Chief Operating Officer California State University, Fresno 5005 N. Maple Ave, M/S ED 3 Fresno, CA 93740 559-906-0787, http://www.ncre.org
- National Recreation and Park Association 22377 Belmont Ridge Road Ashburn, VA 20158 703-858-0784, http://www.nrpa.org

Concentrations in Environmental Health and Occupational Health, in the Graduate School of Public Health are accredited by the American Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202, 410-347-7700.

- The undergraduate program in Athletic Training in the School of Exercise and Nutritional Sciences is accredited by the Commission on Accreditation of Athletic Training Education, 2201 Double Creek Drive, Suite 5006, Round Rock, TX 78664, 512-733-9700, http://www.caate.net.
- Foods and Nutrition, the Didactic Program in Dietetics in the School of Exercise and Nutritional Sciences is approved by the Accreditation Council for Education in Nutrition and Dietetics (ACEND), Academy of Nutrition and Dietetics, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 800-877-1600, http://www.eatright.org.
Course Abbreviations

ACCTG.......... Accountancy
ARP............. Administration, Rehabilitation and Post Secondary Education
A E............. Aerospace Engineering
A S............. Aerospace Studies
AFRAS........... African Studies
AMIND.......... American Indian Studies
ANTH.......... Anthropology
ARAB.......... Arabic
ART.......... Art
ASIAN.......... Asian Studies
ASTR.......... Astronomy
AUD.......... Audiology
BIOMI.......... Bioinformatics and Medical Informatics
BIOL.......... Biology
BQS.......... Biomedical Quality Systems
B A.......... Business Administration
CAL.......... Arts and Letters
CHEM.......... Chemistry
CCS.......... Chicana and Chicano Studies
CFD.......... Child and Family Development
CHIN.......... Chinese
C P.......... City Planning
CIV E.......... Civil Engineering
CLASS.......... Classics
COMM.......... Communication
CINTS.......... Comparative International Studies
C LT.......... Comparative Literature
COMP.......... Computational Science
COMPE.......... Computer Engineering
CS.......... Computer Science
CON E.......... Construction Engineering
CSP.......... Counseling and School Psychology
CJ.......... Criminal Justice
DANCE.......... Dance
DPT.......... Doctor of Physical Therapy
DLE.......... Dual Language and English Learner Education
ECON.......... Economics
ED.......... Education
EDL.......... Educational Leadership
E E.......... Electrical Engineering
ENGR.......... Engineering
ENGL.......... English
ENV E.......... Environmental Engineering
ENV S.......... Environmental Science
EUROP.......... European Studies
ENS.......... Exercise and Nutritional Sciences
FILIP.......... Filipino
FIN.......... Finance
FRENCE......... French
GMS.......... General Mathematics Studies
GEN S.......... General Studies
GEOG.......... Geography
GEOL.......... Geological Sciences
GERMN.......... German
GERO.......... Gerontology
HHS.......... Health and Human Services
HEBRW.......... Hebrew
HIST.......... History
H SEC.......... Homeland Security
HONOR.......... Honors Program
HTM.......... Hospitality and Tourism Management
HUM.......... Humanities
INT S.......... Interdisciplinary Studies
I B.......... International Business
ISCOR.......... International Security and Conflict Resolution
ITAL.......... Italian
JAPAN.......... Japanese
JS.......... Jewish Studies
JMS.......... Journalism and Media Studies
KOR.......... Korean
LATAM.......... Latin American Studies
LDT.......... Learning Design and Technology
LGBT.......... Lesbian, Gay, Bisexual, and Transgender Studies
LIB S.......... Liberal Studies
LING.......... Linguistics
MGT.......... Management
MIS.......... Management Information Systems
MKTG.......... Marketing
MALAS.......... Master of Liberal Arts and Sciences
MATH.......... Mathematics
M S E.......... Mathematics and Science Education
MTHED.......... Mathematics Education
M E.......... Mechanical Engineering
MIL S.......... Military Science
M BIO.......... Molecular Biology
MUSIC.......... Music
N SCI.......... Natural Science
NAV S.......... Naval Science
NURS.......... Nursing
NUTR.......... Nutrition
NUTR.......... Nutrition
OCEAN.......... Oceanography
PERS.......... Persian
PHIL.......... Philosophy
PHYS.......... Physics
POL S.......... Political Science
PORT.......... Portuguese
PSFA.......... Professional Studies and Fine Arts
PSY.......... Psychology
P A.......... Public Administration
P H.......... Public Health
RTM.......... Recreation and Tourism Management
R A.......... Regulatory Affairs
REL S.......... Religious Studies
RWS.......... Rhetoric and Writing Studies
RUSSN.......... Russian
SCI.......... Science
SWORK.......... Social Work
SOC.......... Sociology
SPAN.......... Spanish
SPED.......... Special Education
SLHS.......... Speech, Language, and Hearing Sciences
STAT.......... Statistics
SUSTN.......... Sustainability
TE.......... Teacher Education
TFM.......... Television, Film and New Media
THEA.......... Theatre
WMNST.......... Women’s Studies