PART FIVE

Summary of Curricula

Course Information
  • Accreditation
  • Course Abbreviations

Courses and Curricula
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, 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, 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 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, the Doctor of Nursing Practice, the Doctor of Physical Therapy, 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 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
- Theatre Arts
Curricula Summary

MASTER OF ARTS
The Master of Arts degree is offered in the following fields:
- Anthropology
- Art
- Asian Studies
- Biology
- Chemistry
- Chicana and Chicano Studies
- Communication
- Economics
- Education
- English
- French
- Geography
- History
- Interdisciplinary Studies
- Kinesiology
- Latin American Studies
- Liberal Arts and Sciences

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 Social Work
- 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

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
Curricula Summary

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
- 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):
- biometry
- environmental health
- epidemiology
- health management and policy
- health promotion and behavioral science

Concentrations (MS):
- toxicology
- 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, preliminary and clear; internship credential
  - Moderate/severe disabilities, preliminary and clear; 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 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.
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 6 p.m. on the 12th class day of the semester.

NOT ALL INSTRUCTORS WILL DROP STUDENTS WHO MISS THE FIRST CLASS SESSION AND THE BEGINNING OF THE SECOND 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 deadline to DROP a class is at 11:59 p.m. on the 10th day of the term. The deadline to ADD a class, change grading basis or withdraw from the university is at 11:59 p.m. on the 12th day of the term. You are not allowed to make any schedule adjustments after these deadlines and are responsible for knowing the current semester dates for these deadlines, which can be found on the academic calendar and the Class Schedule registration notice.

The Unit or Credit Hour

As of July 1, 2011 federal law (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 fifteen weeks for one semester or trimester hour of credit, or ten to twelve 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, practice, 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, 510-748-3001; FAX 510-748-9797; e-mail: wascinfo@wascsenior.org; http://www.wascweb.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 Association of Colleges for Teacher Education
  1307 New York Ave, NW
  Washington, D.C. 20005

- American Chemical Society
  Committee on Professional Training
  1155 Sixteenth Street, N.W.
  Washington, D.C. 20036
  202-872-4600, http://www.acs.org

- American College of Nurse Midwives Accreditation
  Commission for Midwifery Education
  8403 Colesville Road, Suite 1550
  Silver Spring, MD 20910-6374

- American Psychological Association (Clinical Psychology)
  750 First Street, N.E.
  Washington, D.C. 20002-4242

- Council on Academic Accreditation in Audiology and Speech-Language Pathology
  2200 Research Boulevard
  Rockville, MD 20850-3289

- California Commission on Teacher Credentialing
  1900 Capitol Avenue
  Sacramento, CA 95811

- Commission on Accreditation of Healthcare Management Education
  2000 14th Street North, Suite 780
  Arlington, VA 22201
  703-894-0960, http://www.cahme.org

- Commission on Collegiate Nursing Education
  One Dupont Circle, NW, Suite 530
  Washington, D.C. 20003-1120

- Council for Interior Design Accreditation
  146 Monroe Center NW, #1318
  Grand Rapids, MI 49503-2822

- Council of Graduate Schools
  One Dupont Circle, N.W., Suite 430
  Washington, D.C. 20003-1173

- Council on Education for Public Health
  1015 Fifteenth Street, N.W.
  Washington, D.C. 20005

- Council on Social Work Education
  1725 Duke Street, Suite 500
  Alexandria, VA 22314-3457

- National Association of School Psychologists
  4340 East West Highway, Suite 402
  Bethesda, MD 20814

- National Association of Schools of Art and Design
  11250 Roger Bacon Drive, Suite 21
  Reston, VA 20190

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

- The College of Business Administration and the School of Business 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, 202-379-2290.
- 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 21202-4010, 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/index.html.
- The School of Nursing is accredited by the California Board of Registered Nursing, State of California, Department of Consumer Affairs, 400 R Street., Suite 4030, Sacramento, CA 95814, 916-322-3350.
- 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 21202-4010, 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 Commission on Accreditation of Dietetics Education, American Dietetic Association, 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995, 800-877-1600, http://www.eatright.org/default.aspx.

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**Course Information**

- National Association of Schools of Public Affairs and Administration
  1120 G Street, N.W., Suite 730
  Washington, D.C. 20005-3801

- National Association of Schools of Theatre
  11250 Roger Bacon Drive, Suite 21
  Reston, VA 20190-5248

- 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.rehabeducators.org

- National Recreation and Park Association
  22377 Belmont Ridge Road
  Ashburn, VA 20148

- Western Association of Graduate Schools
  University of Washington, The Graduate School
  Box 351240
  Seattle, WA 98195-1240

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SDSU GRADUATE BULLETIN 2012-2013 85
Course Abbreviations

ACCTG Accountancy
ARP Administration, Rehabilitation and Post Secondary Education
A E Aerospace Engineering
A S 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
CLT 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
ECON Economics
ED Education
EDL Educational Leadership
EDTEC Educational Technology
E E Electrical Engineering
ENGR Engineering
E M Engineering Mechanics
ENGL English
ENV E Environmental Engineering
ENV S Environmental Science
EUROP European Studies
ENS Exercise and Nutritional Sciences
FILIP Filipino
FIN Finance
FRENC French
GMS General Mathematics Studies
GEN S General Studies
GEOG Geography
GEOL Geological Sciences
GERM 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
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
OCEAN Oceanography
PERS Persian
PHIL Philosophy
PHYS Physics
PLC Policy Studies in Language and Cross-Cultural Education
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
RA 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
VIET Vietnamese
WMNST Women's Studies