

# San Diego State University

## Preparation-for-Major Courses

### Chemistry, B.A.,

### In preparation for the Single Subject Teaching Credential in Science/Chemistry

SDSU COURSE	SDSU COURSE TITLE	SDCCD COURSE	UNITS	CITY	MESA	MIRA
ASTR 109	ASTRONOMY LAB	ASTR 109* or ASTR 111*	1	X X	X X	N/A X
ASTR 201	ASTRONOMY FOR SCIENCE MAJORS	NO EQUIV	N/A	N/A	N/A	N/A
BIOL 203 and BIOL 203L	PRINCIPLES OF CELL AND MOLECULAR BIOLOGY AND LAB	BIOL 210A*	4	X	X	X
BIOL 204 and BIOL 204L	PRINCIPLES OF ORGANISMAL BIOLOGY AND LAB	BIOL 210B* or BIOL 215* and BIOL 250*	4-8	X N/A N/A	X X X	X X X
CHEM 200	GENERAL CHEMISTRY	CHEM 200+* and CHEM 200L+*	3 2	X X	X X	X X
CHEM 201	GENERAL CHEMISTRY	CHEM 201+* and CHEM 201L+*	3 2	X X	X X	X X
CHEM 232	ORGANIC CHEMISTRY	CHEM 231*	3	X	X	X
CHEM 232L	ORGANIC CHEMISTRY LAB	CHEM 231L*	2	X	X	X
CHEM 251	ANALYTICAL CHEMISTRY	CHEM 251*	5	X	X	X
COMM 103	ORAL COMMUNICATION	SPEE 103* or BLAS 106*	3	X N/A	X X	X N/A
MATH 150	CALCULUS I	MATH 150*	5	X	X	X
MATH 151	CALCULUS II	MATH 151*	4	X	X	X
TE 211	FIELD EXPERIENCE IN MATHEMATICS AND SCIENCE	NO EQUIV	N/A	N/A	N/A	N/A
<b>Complete one physics/math sequence:</b>						
PHYS 180A and PHYS 182A and PHYS 180B and PHYS 182B and MATH 252	FUNDAMENTALS OF PHYSICS and PHYSICAL MEASUREMENTS  and CALCULUS III	PHYS 180A* and PHYS 181A* or PHYS 125* and PHYS 180B* and PHYS 181B* or PHYS 126* and MATH 252*	15	X X X X X	N/A N/A X N/A X	N/A N/A X N/A X
PHYS 195 & PHYS 195L & PHYS 196 & PHYS 196L & PHYS 197 & PHYS 197L	PRINCIPLES OF PHYSICS and LAB	PHYS 195* and PHYS 196* and PHYS 197*		X X X	X X X	X X X

+ Both lecture and lab courses must be completed prior to transfer to receive credit for SDSU's course

\* Course also fulfills general education requirement(s) for the CSU GE or IGETC pattern

**TOTAL UNITS: 56-60**

**CONTINUED ON THE OTHER SIDE**

## **Transfer Admission Eligibility\***

All transfer applicants must meet the following requirements to be considered for admission:

- Complete a minimum of 60 CSU-transferable semester units.
- Complete General Education (GE) requirements in written communication, oral communication, critical thinking, and mathematics with a “C” or higher in each course.
- Earn a minimum 2.0 cumulative CSU-transferable GPA. Applicants must meet this GPA at the time of application and must maintain the GPA prior to transfer.
- Be in good standing at the last college or university attended.

Applicants who meet the requirements listed above will be ranked based on the completion of lower division General Education and preparation for the major coursework. Out-of-service area applicants will be selected based on a GPA ranking that may be higher than the major GPA. Visit [www.sdsu.edu/admissions](http://www.sdsu.edu/admissions) for details.

### **Notes**

- The chemistry major in preparation for the single subject teaching credential in science/chemistry has been submitted to the California Commission on Teacher Credentialing for approval. Contact the department for additional information.

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\* NOTE: This planning guide is based on existing articulation agreements and the SDSU 2009-2010 catalog; it is subject to change by the receiving university. For more information, please see a counselor, consult the SDSU catalog, reference [www.assist.org](http://www.assist.org), and/or contact the SDSU department at (619) 594-5595 or [cheminfo@sciences.sdsu.edu](mailto:cheminfo@sciences.sdsu.edu).