

San Diego State University

Preparation-for-Major Courses

Aerospace Engineering, B.S.

SDSU COURSE	SDSU COURSE TITLE	SDCCD COURSE	UNITS	CITY	MESA	MIRA
CHEM 202	CHEMISTRY FOR ENGINEERS	CHEM 200+* and CHEM 200L+*	3 2	X X	X X	X X
MATH 150	CALCULUS I	MATH 150*	5	X	X	X
MATH 151	CALCULUS II	MATH 151*	4	X	X	X
MATH 252	CALCULUS III	MATH 252*	4	X	X	X
ME 101	SOLID MODELING 1	NO EQUIV	N/A	N/A	N/A	N/A
AE 123	THE AEROSPACE ENGINEER	NO EQUIV	N/A	N/A	N/A	N/A
PHYS 195 and PHYS 195L	PRINCIPLES OF PHYSICS and PRINCIPLES OF PHYSICS LAB	PHYS 195*	5	X	X	X
PHYS 196	PRINCIPLES OF PHYSICS	PHYS 196*	5	X	X	X
PHYS 197	PRINCIPLES OF PHYSICS	PHYS 197*	5	X	X	X
EM 200	STATICS	ENGE 200	3	X	X	N/A
ME 203	COMPUTER PROGRAMMING AND APPLICATIONS	NO EQUIV	N/A	N/A	N/A	N/A
EE 204	PRINCIPLES OF ELECTRICAL ENGINEERING	ENGE 260	3	X	X	N/A
EM 220	DYNAMICS	ENGE 250	3	X	X	N/A
ENGR 280	METHODS OF ANALYSIS	MATH 255*	3	X	X	X
ME 240	INTRO TO ENGINEERING MATERIALS	ENGE 210 or MFET 115	3	X X	X N/A	N/A N/A

+Transfer courses acceptable as "substitution" to fulfill SDSU course requirements. Lecture and lab components 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: 36-48

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.

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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, and/or contact the SDSU department at (619) 594-6074 or ae@engineering.sdsu.edu.

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 for details.

Notes

- **General Education:** Students may complete either a certified General Education package (CSU GE or IGETC patterns) or the general education pattern specified in the SDSU catalog under "Aerospace Engineering and Engineering Mechanics". The following SDCCD courses are recommended if the student elects to complete the GE pattern listed in the SDSU catalog under "Aerospace Engineering and Engineering Mechanics":
 - Oral Communication (3 units): SPEE 103 or BLAS 106. These cannot be taken credit/no credit.
 - Composition (3 units): ENGL 101 or 105. These cannot be taken credit/no credit.
 - Intermediate Composition and Critical Thinking (3 units): ENGL 205 or PHIL 205. These cannot be taken credit/no credit.
 - Physical Sciences and Lab (11 units): CHEM 200, CHEM 200L, PHYS 195, and PHYS 196
 - Life Sciences(3 units): ANTH 102 or BIOL 107
 - Mathematics/Quantitative Reasoning (3 units): MATH 150. This cannot be taken credit/no credit.
 - Social and Behavioral Sciences (3 units): ANTH 103; HIST 120 and 121 (both courses must be completed prior to transfer); PSYC 135; ECON 120; ECON 121; GEOG 102; GEOG 104; HUMS 101; RTVC 200 or JOUR 202; ENGL 202; POLI 103; PSYC 101; SOCO 101; GEND 101 or PHIL 126 or PSYC 133.
 - Humanities (9 units): Three courses in three different areas:
 - Literature: BLAS 155; ENGL 220; ENGL 221; ENGL 208
 - Art, Classics, Dance, Drama, Humanities, and Music: ARTF 100; ARTF 110; ARTF 111; HIST 120 and 121 (both courses must be completed prior to transfer); CHIC 210; DANC 181; HUMA 101; HUMA 201; MUSI 100; RTVC 160 or DRAM 150 and 151 (both courses must be completed prior to transfer) or DFLM 101; DRAM 105; PHIL 125
 - History: HIST 100; HIST 101; HIST 105; HIST 106
 - Philosophy and Religious Studies: PHIL 102B; PHIL 102A; PHIL 103 or PHIL 104A or PHIL 104B; HUMA 103 and HUMA 104 (both courses must be completed prior to transfer); HUMA 106
 - Foreign Language: Select a foreign language course listed in CSU GE area C2.
 - American Institutions (6 units. 3 of these units may also be applied to one of the General Education categories above.) Complete any series of courses that satisfies areas US1, US2, and US3 as listed under "CSU United States History, Constitution and American Ideals" for Miramar College on www.assist.org, or complete one of the following two-course sequences:
 - BLAS 140A and 140B
 - HIST 150 and 151
 - CHIC 141A and 141B
 - HIST 109 and 110