DIVISION OF MATHEMATICS, SCIENCES, AND ENGINEERING

ENGINEERING

ASSOCIATE OF SCIENCE DEGREE

The Associate of Science Degree in Engineering will prepare those students interested in laying a foundation for further study and for a Bachelor's Degree in an engineering field from a four-year college or university.

The engineering program fulfills many of the requirements and foundation courses for transfer to Baccalaureate engineering-related majors, but does not satisfy all transfer requirements for specific institutions. Students should consult a counselor for major preparation for specific universities and colleges.

To acquire the **Associate of Science Degree in Engineering**, students must complete the required major courses below with a grade of "C" or better along with one of the following:

- RHC GE and Proficiency requirements
- CSU GE (California State University General Education Breadth)
- IGETC (Intersegmental General Education Transfer Curriculum)

Required Courses	Units	N	IP	C
MATH 190/H *Calculus I/Honors	**4**			
MATH 191 *Calculus II	**4**			
PHY 211 *Physics for Scientists & Engineers I	**4**			
PHY 212 *Physics for Scientists & Engineers II	**4**			
PHY 213 *Physics for Scientists & Engineers III	**4**			
Choose 16 units from the list below:				
BIOL 200 *Principles of Biology 1	**5**			
BIOL 201 *Principles of Biology 2	**5**			
CHEM 130 *General Chemistry	**5**			
CHEM 140 *General Chemistry	**5**			
CHEM 230 *Organic Chemistry I	**5**			
CHEM 231 *Organic Chemistry II	**5**			
CIT 125 Introduction to C++ Programming	**4**			
CIT 126 *Advanced C++ Programming	**4**			
CIV 140 Civil Drafting Fundamentals	**3**			
CIV 142 Introduction to Surveying and GPS	**4**			
CIV 241 *Civil Engineering Drafting and Design	**3**			
ENGT 122 Engineering Design Graphics	**4**			
ENGT 138 Engineering Careers and Applications	**2**			
ENGR 217 *Electric Circuit Analysis	**3**			
ENGR 235 *Engineering Mechanics: Statics	**3**			
MATH 250 *Calculus III	**4**			
MATH 260 *Linear Algebra	**4**			
MATH 270 *Differential Equations	**4**			
Total major units needed for Associate of Science	**36**			
Units Completed				
*Prerequisite/Corequisite				