Transfer Requirements

		Aerospace Engineering	Bioengineering	Chemical Engineering	Civil Engineering	Computer Engineering	Computer Science	Computer Science & Engineering	Electrical Engineering	Materials Engineering	Mechanical Engineering	
MATH	MATH 261 (Calculus I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**MAJOR PREP REQUIREMENTS**
	MATH 262 (Calculus II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MATH 263 (Calculus III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MATH 270 (Linear Algebra)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MATH 275 (Differential Equations)		✓	✓	✓	✓	✓	✓	✓	✓		
CHEMISTRY	CHEM 101 (General Chemistry I)	✓	✓	✓	✓				✓	✓	✓	
	CHEM 102 (General Chemistry II)	✓	✓	✓	✓					✓	✓	
	CHEM 211 (Organic Chemistry for Science Majors I)		✓	✓								
	CHEM 212 (Organic Chemistry for Science Majors II)		✓	✓								
PHYSICS	PHYSICS 101 (Physics for Engineers and Scientists I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	PHYSICS 102 (Physics for Engineers and Scientists II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	PHYSICS 103 (Physics for Engineers and Scientists III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
PROGRAMMING (choose one)	ENG GEN 122 (MATLAB for Engineers)	★	★	★	★					★	★	
	CS 216 _or_ CO SCI 540	✓	✓	✓	✓	★	★	★	★	✓	✓	
	CO SCI 539 (Programming in C)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	CO SCI 552 (Programming in Java)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Writing/ GE	ENGLISH 101 (College Reading and Composition I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	**TRANSFER REQUIREMENTS**
	ENGLISH 102 or ENGLISH 103 or PHILOS 5 (Choose one)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	General Education (Social Sciences, Arts, or Humanities)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
OTHER	CO SCI 516 (Beg. Computer Architecture and Organization)					♦	♦	♦				**OPTIONAL**
	CO SCI 536 (Introduction to Data Structures)					♦	♦	♦	♦			
	CO SCI 542 _or_ CS 131 (Discrete Math)					♦	♦	♦				
	BIOLOGY 6 (General Biology I)		♦									
	BIOLOGY 7 (General Biology II)		♦									
	ENG GEN 131 (Statics)				♦							
	ENG GEN 151 (Materials of Engineering)	♦			♦					♦	♦	
	ENG GEN 220 (Electrical Circuits I)	♦	♦			♦		♦	♦	♦	♦	

★ - strongly preferred (EE, CE, CS and CS&E applicants who complete this have higher priority over those who haven't)

♦ - recommended (will not affect your chances of admission, so only take these courses if you have finished all required major prep courses)

Applicants must have a minimum of 60 semester units in addition to completing the required major prep.
California Community College students should check assist.org for specific transfer requirements.

Admission is highly competitive. Applicants must have a minimum 3.4 cumulative GPA to be considered.
Competitive applicants have major prep GPAs of 3.8 or higher.