



# Transfer Requirements

**UCLA ENGINEERING**  
 Henry Samueli School of  
 Engineering and Applied Science  
*Birthplace of the Internet*

	Aerospace Engineering	Bioengineering	Chemical Engineering	Civil Engineering	Computer Engineering	Computer Science	Computer Science & Engineering	Electrical Engineering	Materials Engineering	Mechanical Engineering	
<b>MATH</b>	MATH 190 (Single Variable Calculus and Analytic Geometry I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	<b>MAJOR PREP REQUIREMENTS</b>
	MATH 191 (Single Variable Calculus and Analytic Geometry II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MATH 220 (Multi-Variable Calculus)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	MATH 270 (Differential Equations with Linear Algebra)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>CHEMISTRY</b>	CHEM 1A (General Chemistry I)	✓	✓	✓	✓			✓	✓	✓	
	CHEM 1B (General Chemistry II)	✓	✓	✓	✓				✓	✓	
	CHEM 7A (Organic Chemistry I)		✓	✓							
	CHEM 7B (Organic Chemistry II)		✓	✓							
<b>PHYSICS</b>	PHYS 1A (Mechanics of Solids)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	PHYS 1C (Electricity and Magnetism)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	PHYS 1D (Optics and Modern Physics)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>PROGRAMMING (choose one)</b>	MATLAB Programming (no course articulated at El Camino College)	★	★	★	★				★	★	
	CSCI 1 or CSCI 30 (C++)	✓	✓	✓	✓	★	★	★	★	✓	
	CSCI 3 (Computer Programming in Java)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Writing/GE</b>	ENGL 1A (Reading and Composition)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	ENGL 1B or 1C or PHIL 105 or PSYCH 3 (choose one)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	General Education (Social Sciences, Arts, or Humanities)	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>OTHER</b>	MATH 210 (Introduction to Discrete Structures)					◆	◆	◆			
	CSCI 2 (Introduction to Data Structures)					◆	◆	◆	◆		
	BIOL 101 (Principles of Biology I)		◆								
	BIOL 102 (Principles of Biology II)		◆								
										<b>TRANSFER REQUIREMENTS</b>	
										<b>OPTIONAL</b>	

★ - 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.