

Transfer Requirements

Hen Eng	ry Samueli School of ineering and Applied Science of the Internet	Acrospace E.	Bioon Bineering	Chemical En.	Givil Engineering	Computer E.	Computer Sci	Condutes Sc.	Flectrical Englishmenic	Materials from	Mechanical En	au seria.
МАТН	MATH 5A (Single Variable Calculus I) MATH 5B (Single Variable Calculus II) MATH 5C (Multivariable Calculus) MATH 10 (Linear Algebra and Applications) MATH 55 (Differential Equations)	✓✓✓	✓✓✓✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	✓ ✓ ✓ ✓	
CHEMISTRY	CHEM 1A (General Chemistry and Chemical Analysis) CHEM 1B (General Chemistry and Chemical Analysis) CHEM 8A (Organic Chemistry) CHEM 8B (Organic Chemistry)	✓	✓ ✓ ✓	✓ ✓ ✓	√ √				✓	√ ✓	√ ✓	MAJOR PREP REQUIREMENTS
PHYSICS	PHYS 1A (General Physics) PHYS 1B (General Physics) PHYS 1C (General Physics)	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	JOR PREP
PROGRAMMING (choose one)	MATLAB Programming (no course at Pasadena CC) CS 2 (Fundamentals of Computer Science I) CIS 14 (C++ Progr.) or CS 3A (Fundamentals of Com Sci II - C++) CS 3B (Fundamentals of Computer Science II - Java) CIS 16 (Java Programming)	*	*	*	*	★ ✓	✓ ★ ✓	★ ✓	✓ ★ ✓	*	*	MA
Writing/ GE	ENGL 1A (Reading and Composition) ENGL 1B or 1C or PHIL 25 or PHSC 2 (choose one) General Education (Social Sciences, Arts, or Humanities)	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	TRANSFER REQUIREMENTS
ОТНЕК	MATH 22 (Discrete Mathematics) CS 6 (Introduction to Applied Logic Design) CS 8 (Fundamentals of Computer Science III - Data Structures) CS 66 (Assembly Language Programming) BIOL 10A (Cellular Biology, Genetics & Evolution) BIOL 10B (Diversity of Life on Earth: Structure, Function and Ecology) BIOL 10C (Genetics) ENGR 2 (Engineering Graphics) ENGR 16 (Engineering Circuits)		* *			*	*	•	*		•	OPTIONAL

- ★- 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.