

# West Valley Transfer Guide

## SCHOOL OF ENGINEERING

**Majors:** Civil, Computer, Electrical, General and Mechanical Engineering

**The minimum required courses for admission are:**

- 1) **English:** English 1A and 1B
- 2) **Mathematics:** Math 3A and 3B.
- 3) **Physical Science :** Chemistry 1A; Physics 4A and 4B.

**Recommended courses to complete more of the University's Core Curriculum:**

- 4) **Western Culture:** Two courses from *one* of the following sequences: Art 1A, 1B; English 6A, 6B; History 4A, 4B; Humanities 1 A, 1B.
- 5) **Mathematics:** Math 4A, 4B. Math 4C is required for Computer Engineering majors.
- 6) **Physical Science:** Physics 4C.
- 7) **Computer Sciences:** Computer Engineering majors should take CIS 4A, 4B; Mechanical and Electrical majors should take CIS 37; General Engineering majors take CIS 4A.
- 8) **Graphics:** Engineering 20. Not required for Computer Engineering majors.
- 9) **Surveying:** Engineering 1A is required for Civil Engineering majors.
- 10) **Circuits:** Engineering 24.
- 11) **Statics:** Engineering 23 (not required for Computer Engineering majors)
- 12) **Engineering Materials:** Engineering 25 is required for Mechanical and General Engineering majors.
- 13) **Social Science:** One course such as Anthropology 2, 3; Economics 1A, 1B; Political Science 1, 2, 4; Psychology 1, 7; Sociology 1, 2, 3, 20, 45.
- 14) **United States :** One course such as Art 10; English 7A, 7B, 12, 13, 18, 46; History 3, 12, 14, 16, 17A, 17B; Music 54; Philosophy 16; Political Science 1, 5; Sociology 20.
- 15) **World Cultures/Area:** One course such as Anthropology 3; Art 7, 12A, 12B; English 16; History 8B, 11, 30A, 30B; Humanities 5; Philosophy 8; Political Science 2.
- 16) **Modern Languages:** Students are not specifically required to complete course work or pass a proficiency exam. It is advisable, however, to attain the proficiency level of at least the first college course in a second language.
- 17) **Religious Studies, Ethics, Technology** and a **Technical Writing** course are required courses, but count only if taken at Santa Clara University.
- 18) Consult the SCU Bulletin for additional freshmen and sophomore level requirements in your major. The Bulletin can be found in the web site ([www.scu.edu](http://www.scu.edu)) under Current Students.

*The above information is to be used as a guide for the purpose of admissions into Santa Clara University. This information is reviewed periodically and the date of the most recent update is noted in the bottom left hand corner of this guide. Students are responsible to make sure that any courses taken are listed on this guide at the time of actual enrollment. Transferability is not guaranteed and is up to our discretion, largely based upon the Santa Clara University core curriculum in effect at the time of admission.*