

Mission College Transfer Guide

SCHOOL OF ENGINEERING

Majors: Civil, Computer, Electrical 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/School of Engineering Core Curriculum:

- 4) **Western Culture:** Two courses from *one* of the following sequences: Art 1A, 1B; History 4A, 4B; Humanities 1 A, 1B; Music 1, 2.
- 5) **Mathematics:** Math 4A, 4B. Computer Engineering majors also need Math 4C.
- 6) **Physical Science:** Physics 4C.
- 7) **Computer Sciences:** Computer and General Engineering majors should take CIS 37A and 37B; Electrical and Mechanical Engineering majors should take CIS 21 or Engineering 30.
- 8) **Graphics:** Engineering 25. Not required for Computer Engineering majors.
- 9) **Circuits:** Engineering 24 with 24L.
- 10) **Statics:** Engineering 23. Not required for Computer Engineering majors.
- 11) **Engineering Materials:** Engineering 26 is required for General and Mechanical Engineering majors only.
- 10) **Social Science:** One course such as Anthropology 2, 3; Economics 1A, 1B; Global Studies 1, 2, 3 (also listed as Social Science 1, 2, 3); Philosophy 5; Political Science 1, 2, 4; Psychology 1; Sociology 1, 2, 21, 24, 41, 43, 46.
- 11) **United States:** One course such as Art 10; English 7A, 7B, 12, 14, 18, 45; History 3, 17A, 17B; Humanities 18; Political Science 1, 2, 6; Sociology 2, 21, 38, 41, 50..
- 12) **World Culture/Societies:** One area studies course such as Anthropology 3; Art 7; History 6, 18, 30, 31; Humanities 20, 22; Philosophy 8; Political Science 2..
- 13) **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.
- 14) **Religious Studies, Ethics, Technology** and a **Technical Writing** course are required courses, but only count if taken at Santa Clara University.
- 15) 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) 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.