El Camino College
ENGINEERING & COMPUTER SCIENCE
USC VITERBI SCHOOL OF ENGINEERING

The Viterbi School of Engineering admits transfer students for the fall. Admission is very competitive. The **most important considerations for transfer admission** are completion of as many major preparatory courses and academics. In determining admission to the Engineering program, USC reviews the grades from math and science courses more heavily than grades from GE courses.

Students should concentrate on completing as many major preparation courses as possible and meet minimum eligibility requirements for admission to USC (English 1B or 1C, two courses of calculus, and lab-based science/programming for CS applicants). They do not require applicants to have completed the general education requirements in order to be admitted, although it is to the student's benefit to have completed as many as possible. Please see below this sheet for general education courses.

A maximum of 64 units can be transferred from community colleges. However, if a student has more than 64 transferable units, "subject credit" may be granted.

Minimum Requirements for all majors (https://viterbiadmission.usc.edu/transfer/)

- Two courses in Calculus (or beyond), with at least Calc II in-progress at the time of application
- Two courses in lab science (or programming for CS Applicants. See below for more details)
- WRIT 130
- Full time enrollment highly recommended

Identify the acronym of the engineering major from the list to identify courses needed for your major.

AE: Aerospace	CEWR Civil (Water Resources_	CHPM: Chemical (Polymer/Materials Science)
ASTE: Astronautical	ENVE: Civil (Environmental)	CSBA: Computer Science/Business Admin
BME: Biomedical	ENE: Environmental	CSCI: Computer Science
BMCE: Biomedical (Molecular & Cellular)	CECS: Computer Engineering & Computer Science	CSGM: Computer Science Games
BMEN: Biomedical (Electrical)	CHSE Chemical (Sustainable Energy)	ECE: Electrical & Computer Engineering
BMEL: Biomedical (Mechanical)	CHE: Chemical	ENGR: Undeclared
CE: Civil	CHEB: Chemical (Biochemical)	ISE: Industrial & Systems
CEBS: Civil (Building Science)	CHEE: Chemical (Environmental)	ISIS: Industrial & Systems (Information Systems)
STRC: Civil (Structural)_	CHEN: Chemical (Nanotechnology)	ME: Mechanical
CCEM: Civil (Construction and Engineering Management)	CHPE: Chemical (Petroleum)	MEPE: Mechanical (Petroleum)

ENGINEERING CORE COURSES:

English
All majors   English 1B or 1C

Mathematics
All majors   Math 190, 191, 220, 270

Physics
AE, ASTE, ME, MEPE   Physics 1A, 1B, 1C, 1D

BME, BMCE, BMEN, BMEL,   Physics, 1A, 1B, 1C
CHE, CHSE, CHEB, CHEE, CHEN,
CHPM, CE, CEBS, STRC, CCEM, CEWR
ENVE, ENE, CSGM, CECS, ISE, ISIS

Chemistry
CHE, CHSE, CHEB, CHEE, CHEN,   Chemistry 1A-1B; 7A
CHPE, CHPM

BME, BMEN, BMCE, BMEL   Chemistry 1A-1B; 7A-7B

AE, ASTE, ME, MEPE,   Chemistry 1A
CE, CCEM, STRC, CEWR
CEBS, ISE, ISIS

ENVE, ENE   Chemistry 1A-1B

Biology
BME, BMCE, BMEN,
BMEL, ENVE, ENE   Biology 101, 102 (may not need both courses for all majors but need to take both in order to earn credit for USC BISC 120 & 220, unless taking honors version)

Other:
CSCI   Basic Science I & Basic Science II (may be satisfied by taking two of the same type of courses; 2 Bio, 2 Chem, 2 Phys)

CSBA   Basic Science I (may be satisfied by taking one science)

CS Classes
CSCI, CSBA, CSGM, CECS   Computer science students may take programming courses (C++) instead of, or in addition to, lab-based science courses before applying to transfer to USC. While programming courses very rarely transfer for course-equivalent credit at USC, they can be good preparation for placement exams. If a student does well enough on a placement exam for a particular

course at USC, the student may be able to waive that course requirements. More info: https://viterbiadmission.usc.edu/transfer/#programming

Recommended Web sites:
https://viterbiadmission.usc.edu/transfer/
https://camel2.usc.edu/articagrmt/artic.aspx

Other Resources:
Transfer Info Sessions: https://applyto.usc.edu/portal/viterbi_transferinfosession
Individual Counseling Appointments for Admission: https://applyto.usc.edu/portal/viterbitransfercounseling