El Camino College
PRE-ENGINEERING MAJOR
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 grade point average (GPA). In determining admission to the Engineering program, USC reviews the grades from math and science courses (especially Calculus & Physics) 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 semesters of calculus, and physics). 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 3 to 4 general education courses. Please see the reverse side of 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.

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

AE: Aerospace   **CHEM**: Chemical   **ISE**: Industrial
ASTE: Astronautical   **CE**: Civil   **ME**: Mechanical
BME: Biomedical   **CSCI**: Computer Science
BMEC: Biomedical (Chemical)   **CECS**: Computer Engineering
BMEN: (Electrical)   **EE**: Electrical
BMEL: Biomedical (Mechanical)   **ENE**: Environmental

ENGINEERING CORE COURSES:

English
All majors   English 1A and 1B or 1C

Mathematics
All majors   Math 190, 191, 220, 270

Physics
AE, ASTE, BMEN, BMEL, EE, ME   Physics 1A, 1B, 1C, 1D
BME, BMEC, CHEM, CE, CECS, ENE, ISE   Physics, 1A, 1B, 1C

Chemistry
BMEN, BMEL, ENE   Chemistry 1A-1B; 7A
BME, BMEC, CHEM   Chemistry 1A-1B; 7A-7B
AE, ASTE, CE, CECS, EE, ISE, ME   Chemistry 1A

Biology
BME, BMEC, BMEN, BMEL, ENE   Biology 101, 102

Other:
ISE   Economics 2

*Information is subject to change without notice, please refer to the USC articulation website for the complete transfer planning guide   https://camel2.usc.edu/TPG/SelectPgAgrmnt.aspx

USC GENERAL EDUCATION REQUIREMENTS: (USC <u>does not</u> follow IGETC)

USC requires the completion of English 1B or 1C prior to transfer but does not require completion of all the other general education requirements prior to transfer. **Students should concentrate on completing as many major preparation courses as possible and meet minimum eligibility requirements for admission to USC.**

<u>Writing Requirement</u>: English 1A, and one course from 1B or 1C

<u>Category I</u>: Western Cultures and Traditions: (choose one course)
      Art 2, 3; History 162; Philosophy 10, 11

<u>Category II</u>: Global Cultures and Traditions: (choose one course)
      Anthropology 6, 7, 8; Art 5A, 5B, 7, 9; History 108, 175, 176, 177, 183, 184

<u>Category IV</u>: Choose one additional course from Categories I or II

<u>Category V</u>: Arts and Letters: (choose one)
      Architecture 104; Art 4, 108; English 10, 11, 12, 15A, 15B, 18, 20, 21, 23, 28, 29, 30, 31, 34, 35, 36, 39, 40A, 40B, 41A, 41B42, 43, 44, 47; Film 1; French 35; Music 13; 15A, 15B; Theatre 4

<u>Diversity Requirement</u>: (choose one course)
      American Studies; History 111, 112, 122, 129; Political Science 5; Sociology 101, 107; Women's Studies 1

<u>Recommended Web sites</u>:
viterbi.admission@usc.edu
https://camel2.usc.edu/TPG/DispWrngCal.aspx

*Computer Science 3 is offered fall semester only; Computer Science 30 is offered spring semester only.