El Camino College
PRE-ENGINEERING MAJOR
UCLA SCHOOL OF ENGINEERING AND APPLIED SCIENCES

IGETC IS NOT RECOMMENDED FOR ENGINEERING MAJORS

The Henry Samueli UCLA School of Engineering and Applied Science (HSSEAS) admits transfer students for the fall and may be accepted for winter and spring quarter (winter and spring is subject to change, check with a counselor or UCLA's Engineering website for admission details). Admission is very competitive. The **most important considerations for transfer admission** are completion of the required major preparatory courses and grade point average (GPA). Transfer applicants must have a minimum UC transferable GPA of at least 3.30 in order to be considered. In determining admission to the Engineering program, UCLA weighs the grades from math and science courses (especially Math & Physics) more heavily than grades from GE courses.

The <u>average</u> GPA of students admitted to HSSEAS are: Chemical (3.76); Computer Science & Engineering (3.79); Electrical (3.71); Computer Science (3.74); Mechanical (3.68); Civil (3.73); Aerospace (3.77); Materials (3.74). Please note that students who have received permission from ECC or from another institution to repeat a course in which a grade of "C" or higher had been earned, UCLA will only use the original grade for transfer.

Students should concentrate on completing major preparation and meet minimum eligibility requirements (60 units to include the seven course breadth and major requirements) for admission to UCLA. 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 electives. Please see the reverse side of this sheet for a list of acceptable general education courses.

A maximum of 70 units can be transferred from community colleges. However, if a student has more than 70 transferable units, "subject credit' will be granted for the extra units. Furthermore, transferring to another four-year college or university prior to going to UCLA may cause the individual to exceed 70 acceptable units. This will trigger a review to see if the applicant could fulfill all remaining requirements in the major and general education within the maximum of 213 quarter units (142 semester units).

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

AE: Aerospace	**CE**: Civil	**EE**: Electrical
BIO: Bioengineering	**CSCI**: Computer Science	**MA**: Material
CHEM: Chemical	**CSE**: Computer Science and Engineering	**ME**: Mechanical

REQUIRED MAJOR PREPARATION FOR ADMISSION:

<u>**English**</u>
All majors	English 1A and 1B or 1C or Philosophy 5 or Psychology 3

<u>**Mathematics**</u>
All majors	Math 190, 191, 220, 270; (210 highly recommended for CSCI, CSE)

<u>**Physics**</u>
All majors	Physics 1A, 1C, 1D

<u>**Chemistry**</u>
AE, BIO, CHEM, CE, MA, ME	Chemistry 1A-1B; (7A-7B highly recommended for BIO, CHEM)
CSCI, CSE, EE	Chemistry 1A

<u>**Biology**</u>
BIO	Biology 101, 102

<u>**Computer Science/Programming**</u>
AE, BIO, CE, CHEM, MA, ME	CS 1 (CS 30 preferred) or CS 3*
EE	CS 1 (CS 2 and 30 preferred) CS 1 will meet admissions requirements but will have to take an additional CS course at UCLA
CSCI, CSE	CS 1 (CS 2 and 30 preferred) CS 1 will meet admissions requirements but will have to take an additional CS course at UCLA