



**PIERCE COLLEGE**

**UCLA ENGINEERING**  
 Henry Samueli School of  
 Engineering and Applied Science  
*Birthplace of the Internet*

# Transfer Requirements

|                                     |  | Aerospace Engineering | Bioengineering | Chemical Engineering | Civil Engineering | Computer Engineering | Computer Science | Computer Science & Engineering | Electrical Engineering | Materials Engineering | Mechanical Engineering |                                |
|-------------------------------------|--|-----------------------|----------------|----------------------|-------------------|----------------------|------------------|--------------------------------|------------------------|-----------------------|------------------------|--------------------------------|
| <b>MATH</b>                         | MATH 261 (Calculus I)                                    | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      | <b>MAJOR PREP REQUIREMENTS</b> |
|                                     | MATH 262 (Calculus II)                                   | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | MATH 263 (Calculus III)                                  | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | MATH 270 (Linear Algebra)                                | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | MATH 275 (Differential Equations)                        |                       | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
| <b>CHEMISTRY</b>                    | CHEM 101 (General Chemistry I)                           | ✓                     | ✓              | ✓                    | ✓                 |                      |                  |                                | ✓                      | ✓                     | ✓                      |                                |
|                                     | CHEM 102 (General Chemistry II)                          | ✓                     | ✓              | ✓                    | ✓                 |                      |                  |                                |                        | ✓                     | ✓                      |                                |
|                                     | CHEM 211 (Organic Chemistry for Science Majors I)        |                       | ✓              | ✓                    |                   |                      |                  |                                |                        | ✓                     | ✓                      |                                |
|                                     | CHEM 212 (Organic Chemistry for Science Majors II)       |                       | ✓              | ✓                    |                   |                      |                  |                                |                        | ✓                     | ✓                      |                                |
| <b>PHYSICS</b>                      | PHYSICS 101 (Physics for Engineers and Scientists I)     | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | PHYSICS 102 (Physics for Engineers and Scientists II)    | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | PHYSICS 103 (Physics for Engineers and Scientists III)   | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
| <b>PROGRAMMING<br/>(choose one)</b> | MATLAB Programming ( <i>not available at Pierce</i> )    | ★                     | ★              | ★                    | ★                 |                      |                  |                                |                        | ★                     | ★                      |                                |
|                                     | CO SCI 539 (Programming in C)                            | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | CO SCI 540 (Object Oriented Programming in C++)          | ✓                     | ✓              | ✓                    | ✓                 | ★                    | ★                | ★                              | ★                      | ✓                     | ✓                      |                                |
|                                     | CO SCI 552 (Programming in Java)                         | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
| <b>Writing/<br/>GE</b>              | ENGLISH 101 (College Reading and Composition I)          | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | ENGLISH 102 or ENGLISH 103 or PHILOS 5 (Choose one)      | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
|                                     | General Education (Social Sciences, Arts, or Humanities) | ✓                     | ✓              | ✓                    | ✓                 | ✓                    | ✓                | ✓                              | ✓                      | ✓                     | ✓                      |                                |
| <b>OTHER</b>                        | CO SCI 516 (Beg. Computer Architecture and Organization) |                       |                |                      |                   | ◆                    | ◆                | ◆                              |                        |                       |                        |                                |
|                                     | CO SCI 536 (Introduction to Data Structures)             |                       |                |                      |                   | ◆                    | ◆                | ◆                              | ◆                      |                       |                        |                                |
|                                     | BIOLOGY 6 (General Biology I)                            |                       | ◆              |                      |                   |                      |                  |                                |                        |                       |                        |                                |
|                                     | BIOLOGY 7 (General Biology II)                           |                       | ◆              |                      |                   |                      |                  |                                |                        |                       |                        |                                |
|                                     | EGD TEK 101 (Engineering Graphics)                       |                       |                |                      |                   |                      |                  |                                |                        |                       | ◆                      |                                |
|                                     |  |                       |                |                      |                   |                      |                  |                                |                        |                       |                        | <b>TRANSFER REQUIREMENTS</b>   |
|                                     |  |                       |                |                      |                   |                      |                  |                                |                        |                       |                        | <b>OPTIONAL</b>                |

- ★ - strongly preferred (EE, CE, CS and CS&E applicants who complete this have higher priority over those who haven't)
- ◆ - recommended (will not affect your chances of admission, so only take these courses if you have finished all required major prep courses)

Applicants must have a minimum of 60 semester units in addition to completing the required major prep. California Community College students should check assist.org for specific transfer requirements.

Admission is highly competitive. Applicants must have a minimum 3.4 cumulative GPA to be considered. Competitive applicants have major prep GPAs of 3.8 or higher.

# Transfer Admissions FAQs for HSSEAS

## **What is the minimum required GPA to transfer to UCLA Engineering?**

To be eligible for consideration, applicants must have a minimum transferable cumulative GPA of 3.4. However, admission to HSSEAS is very competitive, and for most majors, you need to have a *major prep* GPA of 3.8 or better to be competitive.

## **Do I need to complete all of the required major prep before transferring to UCLA?**

To be competitive, you should complete all of the required major prep courses by no later than the end of the spring semester prior to transfer (i.e. Fall 2018 applicants should finish all major prep by the end of Spring 2018). In some majors, it may still be possible to be admitted if you are missing one major prep course, but students who complete all of the major prep will be given priority over students who are missing a course.

## **Do courses taken the summer immediately before transfer count?**

Courses taken the summer immediately prior to transfer (i.e. Summer 2018 courses for a Fall 2018 applicant) are not considered to be part of the application and will not be considered towards fulfilling transfer requirements. However, if you are admitted to HSSEAS, any transferable courses taken prior to matriculation may still count towards satisfying a graduation requirement.

## **Do I have to complete IGETC?**

HSSEAS will accept the full IGETC certification, but it is not required nor will it affect your chances of being admitted. While we do not discourage completing IGETC, we recommend that applicants to HSSEAS focus primarily on completing the major prep courses first. To be eligible for admission, we require at least one General Education course in either the Humanities, Arts, or Social Sciences. We do not accept partial IGETC.

## **How are “W” grades treated?**

As long as there is not an excessive number of “W” grades in the major prep courses, it should not affect your chances of admission. If you have more than two “W” grades in the major prep, you may want to explain the situation in one of the essays.

## **How are repeated courses treated?**

Repeats of courses in which you earn a “C” or better are not allowed, and only the original grade will be considered. If you earn a grade below a “C” in a major prep course and you repeat it, both the original grade and the new grade will be calculated into the major prep GPA.

## **Do extracurricular activities affect my chances of admission?**

We make our decisions primarily on your performance in the major prep courses. However, students who are borderline cases can be helped by strong essays and extracurricular activities. Activities that demonstrate a strong interest in engineering will be the most helpful to your application. Overcoming obstacles and life challenges will also be taken into account, as long as the academic performance is also strong.