

## Humanity and Social Science Electives

- Students are required to satisfactorily complete at least six H/SS elective courses, for a total of 18 units.
- H/SS electives must be on the approved list available online:  
<http://www.engr.pitt.edu/students/electives.html>

### Depth Requirement

- Must complete two or more courses (only one of which can be an introductory course designated by an asterisk [\*]) from one of the departments or programs within the School of Arts and Sciences.  
Example: ECON 0100\* - Introduction to Microeconomic Theory  
ECON 1100 - Intermediate Microeconomic Theory
- May also satisfy the depth requirement by completing two or more courses with a related theme, e.g., courses that focus on a geographic region, historic period, or ideological perspective.

### Breadth Requirement

- Students must select courses from at least three different School of Arts and Sciences humanities and social science departments.

### Writing Requirement

- All Swanson School of Engineering students must also complete a least one “W” –designated course in which the “W” indicates that a course has a substantial writing component, as approved by the School of Arts and Sciences. This requirement may alternatively be satisfied by completing ENGCMPC 0400: Written Professional Communication for the Communication Skills Elective (see below).

## Communication Skills Elective

To satisfy the Communication Skills Elective requirement, students must satisfactorily complete one of the following courses:

- COMMRC 0500: Argument
- COMMRC 0520: Public Speaking
- COMMRC 0540: Discussion
- ENGCMPC 0400: Written Professional Communication (this is a “W” –designated course)
- ENGR 1010: Communication Skills for Engineers

## Engineering Elective

Students are required to complete one Engineering Elective course, for a total of at least three units. Any course offered by the Swanson School of Engineering may be used to satisfy this requirement.

Examples: ENGR 0020: Probability and Statistics for Engineers  
or IE 1040: Engineering Economic Analysis

It *does not* have to be an upper-level course. For students pursuing a minor from another department, one of the courses required for the minor can be used to fulfill this requirement.

## Technical Electives

Technical electives are usually not offered during the Summer Term. Co-op students can earn three units for a written technical report on their co-op experience, which may be substituted for one of the technical electives. Students in the **mechanical engineering** program are required to satisfactorily complete four technical electives, for a total of twelve units. At least one of the four must be a Dynamic Systems Technical Elective. Students in the **materials science & engineering** program are required to satisfactorily complete three technical electives, for a total of nine units.