

Pre-Engineering

Associate in Science

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The Associate in Science in Pre-Engineering offers a well-rounded general education degree, including a concentration in courses which prepares students for transfer to four year institutions.

These courses are suggested by the department to meet the Associate in Science degree requirements. For a complete list of course options, please see the Associate in Science curriculum guide in the catalog.

General Education Requirements

The general education courses listed for this degree require a C (2.0) or better for graduation. See "General Education Requirements" for more information and full listing of all general education courses.

Course Sequence

- ◆ Some of the courses in this curriculum must be taken in a prescribed sequence because of prerequisite requirements. The listing that follows is a suggested sequence of courses for full-time students who start in the Fall semester.

If you are a part-time student or have transferred courses from another college, you should plan to complete the courses listed under Semester I before taking the courses listed under Semester II and so forth. Please see an advisor for sequencing and course substitution questions.

- ◆ You will need to demonstrate proficiencies in reading, mathematics and English based on SMC assessment tests, ACT or SAT scores, or by taking the recommended classes.

- ◆ This degree can be adapted for various transfer institutions. Please contact your advisor to determine specific course requirements at the receiving institution prior to selecting options or electives.

Course	Credits
Semester I	
CHEM 101 General Chemistry I	5
ENGL 103 Freshman English II	3
OR	
ENGL 103W Freshman English II w Workshop	4
MATH 131 Precalculus Trigonometry	3
MATH 136 Precalculus Algebra	4
Semester II	
CHEM 102 General Chemistry II	5
MATH 141 Analytical Geometry and Calculus I	4
POSC 201 American Government	3
SPEE 104 Introduction to Human Communication	3
See advisor to ensure your choices in year two work well with your transfer institution.	
Summer	
MATH 142 Analytical Geometry and Calculus II	4
Semester III	
ART 110 Art Appreciation	3
MATH 205 Differential Equations and Linear Algebra	4
PHYS 201 General Physics I	5
Semester IV	
MATH 201 Calculus III	4
PHIL 201 Introduction to World Religion	3
PHYS 202 General Physics II	5
SOCI 201 Principles of Sociology	3
Total Program Credits	*60-61