

GENERAL ENGINEERING

A General Engineering curriculum is offered during the first two semesters in which all requirements are nearly identical regardless of major. This provides maximum flexibility since students can switch to any engineering major at any time during their first two semesters without losing any time or credit. During this period, students can be classified as “General Engineering” or can opt for one of the engineering majors—civil, computer, electrical, or mechanical engineering. The principles and concepts that students learn during the General Engineering curriculum provide the foundation necessary for more advanced study in all engineering disciplines.

The first-year engineering faculty advisors advise all engineering students during the first two semesters. Students must consult each semester with their first-year advisor and register for the appropriate courses listed under the General Engineering curriculum. Any variation from the recommended paradigm must be approved by the first-year advisor.

Unless unusual circumstances suggest otherwise, a commitment to a particular major should be made before the second semester of the sophomore year. Students will then be assigned to a faculty advisor within their major. The Office of the Registrar must be informed whenever a student changes or declares a major.

General Engineering Curriculum

Course	Title	Semester Hours
First Year		
Fall		
ENGR 100	Introduction to Engineering	3
ENGR 190	Engineering Seminar	1
CHEM 111	General Chemistry I Lab	1
CHEM 114	General Chemistry for Engineers	3
MATH 131	Calculus I	4
University Core		4
ORNT 1000	First Year Forum	0
Semester Hours		16
Spring		
ENGR 1200	Computational Engineering	2
ENGR 1300	Engineering Visualization	2
BIOL 114	Biology for Engineers	3
MATH 132	Calculus II	4
PHYS 1100	Introduction to Mechanics	4
University Core		3
Semester Hours		18
Minimum Semester Hours		34