MINOR IN ENGINEERING

19-22 credits

The minor in Engineering is intended for students who aspire to work in a technology industry but are not majoring in an engineering field. Through lectures and hands-on labs, non-engineering students will gain experience working in an environment that resembles what they will face in the work force and will develop fundamental problem-solving skills that will benefit them throughout their careers.

Students must earn a grade of C- or better in any course that is used to satisfy Engineering minor requirements.

Student Learning Outcomes

Upon successful completion of the minor in Engineering students will demonstrate their ability to:

- identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics;
- apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

Code	Title	Credits
Prerequisite Courses (7 Credits) [1]		
MAT359	Ordinary Differential Equations	3
PHY202 & PHY212	General Physics 2 and General Physics 2 Lab	4

Code	Title	Credits
Required Fundamental Courses (10 Credits)		
EGC251	C/C++ Programming	3
EGE200 & EGE201	Circuit Analysis and Circuits Laboratory	4
EGM211	Statics	3
Required Technical Electives (9-12 Credits)		
Select at least three additional engineering courses in consultation with an Engineering faculty advisor. [2,3]		9-12
Total Credits		**19-22**

[1] Prerequisite courses do not count toward the total credits required for the minor.

[2] Students will only be permitted to take courses for which they have already completed all prerequisite material.

[3] Students must take any required corequisite laboratory courses. A lecture and its corequisite lab count as one technical elective.