

ENGR 3398: Experiential Engineering Internship

variable 3–12 audit hours, but 0 billing hours Credit Hours

Prerequisite: Enrolled students must be a SPCEET Undergraduate Engineering or Engineering Technology major (Civil Engineering, Computer Engineering, Construction Engineering, Electrical Engineering, Environmental Engineering, Industrial and Systems Engineering, Mechanical Engineering, Mechatronics Engineering, Mechanical Engineering Technology, Electrical Engineering Technology, or Industrial Engineering Technology)

Students are encouraged to enhance their coursework with engineering work experience. This is a noncredit/no-cost audit course with no tuition or fees attached. Students are eligible to receive full-time enrollment status through their registration, which allows them to retain all privileges of full-time enrolled students while working. The course serves as a placeholder on a transcript. It does not fulfill major degree requirements.

ENGR 3410: Fundamentals of Biomedical Engineering

3 Credit Hours

Prerequisite: Engineering Standing

This course provides an extensive overview of the field of biomedical engineering. The fundamentals of various key topics that stand at the intersection of engineering, biology, and medicine will be investigated.

ENGR 3411: Biomechanics for Engineers

3 Credit Hours

Prerequisite: Engineering Standing

This course will provide an introduction to the structural and mechanical behavior of biological tissues and systems by building on engineering concepts such as discussed in Statics, Dynamics, or Strength of Materials.