Mechanical Engineering

Program Mission Statement

The mission of the School of Engineering is to provide diverse learning opportunities in the technical and professional aspects of engineering that prepare all participants to thrive in an evolving world.

The mechanical engineering program educational objectives are to produce graduates with sound engineering fundamentals, strong team and leadership skills, strong problem solving skills, an ability to learn and advance, and effective communication skills.

Student Learning Outcomes

Graduates will be able to:

Content/Discipline-Specific Knowledge/Skills

• have an ability to use the techniques, skills and modern engineering tools necessary for engineering practice. This student learning outcome is defined as student outcome (k) by ABET.

Communication Skills

• have an ability to communicate effectively. This student learning outcome is defined as student outcome (g) by ABET.

Critical Thinking Skills

• have an ability to design a system, component, or process to meet desired needs. This student learning outcome is defined as student outcome (c) by ABET.

Assessment Approaches

The mechanical engineering program utilizes a number of direct and indirect assessment measures, in agreement with our accreditation agency ABET, to assess proficiency of course outcomes and student outcomes. Direct assessment tools include course exams, projects, and other course assignments. Indirect assessment tools include graduating senior surveys, alumni surveys, and employer surveys.