Mechanical and Measurement & Control Engineering

Program Description	Type	Degree
Mechanical Engineering, B.S. (http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/bs-mechanical-engineering/)	Degree	B.S.
Accelerated Mechanical Engineering, B.S./M.S. (http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/accelerated-bs-mechanical-engineering/)	Degree	B.S-M.S

General Information

Idaho State University mechanical engineering graduates are successfully employed in many areas and many have chosen to continue advanced studies in a wide variety of specialized engineering disciplines throughout the region and nation.

Every student entering the mechanical engineering program is assigned a faculty advisor to ensure an appropriate plan of study and to ensure continuity throughout the program. Each student completes university general education courses and mechanical engineering program requirements. A student who pursues a double major should regularly consult with a faculty member from each of the two major programs.

Students entering the mechanical engineering program should have adequate credentials in algebra and trigonometry or higher to enter the calculus sequence. Students not entering at the calculus level will not be eligible to register for mechanical engineering courses until meeting the mathematics requirement. This may result in a delay in graduation.

General Education Requirements

Students working toward the Bachelor of Science degree must complete 8 of the 9 General Education Objectives (a minimum of 36 credits). See the General Education Requirements (http://coursecat.isu.edu/undergraduate/academicinformation/generaleducation/) in the Academic Information section of the catalog.

Fundamentals of Engineering (FE) Exam

Mechanical engineering students are encouraged to take the Fundamentals of Engineering (FE) exam during their senior year while the breadth of the engineering material covered on the examination is still fresh in their minds. This exam is considered the first step in professional licensure for engineers.

Mechanical Engineering Academic Rules and Policies

Every Mechanical Engineering student is encouraged to meet with a faculty member for academic advising prior to registration each semester. A student who pursues a double major should regularly consult with a faculty member from each of the two major programs.

A new student who wants to transfer into the Mechanical Engineering major must have prior coursework evaluated for transfer credit before matriculating into the program. A current Idaho State University Mechanical Engineering major student who intends to transfer an engineering course to Idaho State University must obtain prior approval for the transfer either via transfer credit review (petition process) or through existing program articulation. Articulated courses are listed on the Office of the Registrar web page under Transfer Credit Process.

- Transfer credits must be posted to the student's ISU transcript prior to registering for any course that has the transfer course credits as a prerequisite or co-requisite.

A student requesting a credit limit overload must apply using the Application for Credit Limit Overload Form that can be found on the Mechanical Engineering website (Credit Limit Overload application) (https://www.isu.edu/media/libraries/college-of-science-and-engineering/mechanical-engineering/docs/APPLICATION-FOR-CREDIT-LIMIT-OVERLAD-(3).docx). The minimum requirement is a 3.0 GPA or greater for engineering courses taken over the past two semesters. The completed form must then be submitted to the Chair of Mechanical Engineering for approval.

A student who enrolls in an engineering class while petitioning for a waiver of applicable prerequisites must secure the waiver by the end of the first week of classes or be dropped from the course in question.

Any student missing the first week of a mechanical engineering class, in any semester, will be dropped from that course.

To maintain "academic satisfactory progress" and avoid academic probation and/or academic dismissal, undergraduate students must maintain a cumulative Idaho State University GPA of 2.0 or higher every semester.

Accreditation

The Bachelor of Science Program in Mechanical Engineering is accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/), under the General Criteria and the Mechanical and Similarly Named Engineering Program Criteria.

Educational Objectives for Degree Program in Mechanical Engineering

Five years after they graduate, our Mechanical Engineering graduates should:

- ***Professional and Social Responsibility*** – demonstrate professionalism and ownership of their work and be an active and positive influence in their community.
- ***Professional Leadership*** – balance the relationship between business and engineering and interface with multidisciplinary teams to achieve the combined objective.
- ***Career Development and Professional Growth*** – pursue life-long learning, professional affiliations, and increasing responsibility in the workplace.

Faculty (http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/faculty/)

ME Courses (http://coursecat.isu.edu/undergraduate/allcourses/me/)