Mechanical and Measurement & Control Engineering

### Program Description

<table>
<thead>
<tr>
<th>Program Description</th>
<th>Type</th>
<th>Degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical Engineering, B.S. (<a href="http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/bs-mechanical-engineering/">http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/bs-mechanical-engineering/</a>)</td>
<td>Degree</td>
<td>B.S.</td>
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<tr>
<td>Accelerated Mechanical Engineering, B.S./M.S. (<a href="http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/accelerated-bs-mechanical-engineering/">http://coursecat.isu.edu/undergraduate/scienceengineering/mechanicalengineering/accelerated-bs-mechanical-engineering/</a>)</td>
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<td>B.S-M.S</td>
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### 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.

### 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.

### Accreditation

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

### Faculty

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

### ME Courses

[http://coursecat.isu.edu/undergraduate/allcourses/me/](http://coursecat.isu.edu/undergraduate/allcourses/me/)