INDUSTRIAL TECHNOLOGY (B.S.TECH.)

The Industrial Technology Bachelor of Science degree program is designed to provide students with the opportunity to develop in-depth knowledge and hands-on experience in basic and advanced industrial processes, procedures, planning, and management.

Required coursework includes the university requirements (https://catalog.uidaho.edu/general-requirements-academic-procedures/j-general-requirements-baccalaureate-degrees/) and the following:

Select Technical Electives (not limited to the following): 1

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>INDT 472</td>
<td>National Incident Management Systems</td>
<td>102</td>
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Total Hours

1. This degree is currently only available at the Idaho Falls Center

2. Elective credit can also be obtained through Technical Competency. Up to 24 credits can be obtained in this manner. Consult with your advisor for information on this process.

Courses to total 122 credits for this degree

1. Graduates are prepared to design, implement, and improve processes and systems in the manufacturing, research, and development, service or government sectors. The students will be able to:
   a. Apply theories and principles from mathematics, physical science, and computer applications and information technology to solve practical technology problems;
   b. Apply quality, safety, and industrial technology skills in a professional work environment within real-world constraints;
   c. Demonstrate proficiency in the use of robotics and manufacturing equipment to solve practical technology and engineering problems;
   d. Apply the principles of cognitive systems and human performance to perform task analyses and evaluate human-computer/machine interfaces;
   e. Interpret, describe, and implement information contained in typical project specifications.

2. Our graduates are prepared to succeed in managerial and leadership positions. The students will be able to:
   a. Demonstrate project management skills by applying time value of money, select and implement cost-effective solutions and understand cost-accounting and effective scheduling principles;
   b. Develop, motivate, direct, and assist teams in applying critical thinking concepts to solve technology and engineering problems;
   c. Identify customer project goals, financial needs, timeline constraints, and other customer service based efforts.

3. Our graduates are prepared to communicate with team members, work in teams, customers, and suppliers in the global environment. The students will be able to:
   a. Demonstrate good written and oral communication skills and use current multimedia tools to convey information;
   b. Draw conclusions from and explain information synthesized from several sources;
   c. Manage dispute resolution to mutually beneficial accord.

4. Our graduates are prepared to engage in today's evolving market place. The students will be able to:
   a. Analyze contemporary issues for pertinence and potential impacts;
   b. Describe and evaluate professional and ethical responsibilities;
   c. Demonstrate the ability to adapt emerging technologies;
   d. Recognize and evaluate the impact of engineering decisions in a global and societal context;
   e. Put into practice the concepts of service learning.

[1] Put into practice the concepts of service learning.

For additional information, contact: Industrial Technology Program Advisor, 208-885-6849 or INDT-484@uidaho.edu.