

More Information

ENGINEERING MANAGEMENT STUDENT ADVISER

Denise Engebrecht
denisee@uidaho.edu
(208) 364-6123

INTEGRATING **ENGINEERING** & BUSINESS

www.uidaho.edu/engr/engineeringmanagement

Engineering Management Graduate Program



INTEGRATING **ENGINEERING** & BUSINESS

University of Idaho
College of Engineering

Program Outcomes

- To expand and reinforce your existing engineering skill set
- To thoroughly examine the roles and responsibilities of an engineering manager
- To provide you with a solid foundation in engineering management and business approaches, tools and practices
- To prepare you with the knowledge and skills you will need to effectively lead a technical team
- To improve the communication skills required for success in an engineering leadership role

Admission Requirements

- B.S. degree in Engineering from an ABET/EAC accredited program
- TOEFL score higher than 550 for international students
- At least 2 years of engineering work experience or you must be currently employed as an engineer
- 3 letters of recommendation, one from a current or former employer

Why an Engineering Management Graduate Degree?

Bridging the Gap between Engineering and Business

Engineering Management is a multidisciplinary field that involves the application of engineering methods and technologies with business approaches to solve today's complex and challenging problems. This program bridges the gap between engineering and business by equipping engineers with the expertise and leadership skills needed to advance their career in today's fast-paced world. Students will expand their breadth of knowledge beyond a specific technical field into management and business. Business knowledge, organization insights, and communication skills will be integrated with technical knowledge to develop proficient managers and leaders of projects, operations, organizations, and people.

Why the University of Idaho?

Designed for Working Professionals

The Engineering Management program at the University of Idaho is a distance education program for engineering professionals that want to progress in their careers. It is a multidisciplinary program giving students the opportunity to explore the analytical, technical, and human resource aspects of managing in a technical environment. The program is designed to ensure continued technical growth while integrating a broad set of business and engineering management courses to prepare the engineer for extensive management responsibilities. Students come from diverse backgrounds in industry, government, and military. The University of Idaho faculty bring a blend of practical experience to the classroom from academia and industry.

Program Delivery

Faculty and instructors teach courses at U of I locations in Moscow, Idaho Falls, and Boise. Courses may be delivered live, online via the web, or produced for online delivery by Engineering Outreach (EO). EO courses are accessible within 2 hours of production. If you want the flexibility to watch classes at your convenience, this program can meet your needs.

Engineering Management Degree Requirements

The Engineering Management master's degree requires 30 credits; a minimum of 15 credits must be engineering courses. You will earn a M. Engr. degree with an option to complete either a master's project or take an additional elective with a written comprehensive exam. Degree requirements follow a variety of policies regarding transfer credits from other universities. Students work with their advisers to discuss transferability of other courses.

Required Courses—12 credits

- Fundamentals of Engineering Management
- Leadership and Organizational Behavior
- Enterprise Accounting
- Statistics

Quantitative Electives—6 credits

- 500-level engineering courses that contain a focus on qualitative analysis of an engineering subject

Qualitative Electives

- 400-level or higher courses from engineering, business, math, or statistics that are focused on management, process, and/or qualitative content

Comprehensive Exam

- Master's project presentation with oral comprehensive exam or additional elective and written comprehensive exam in lieu of a project

Advising

You will work with the student adviser to build a unique study plan around a set of core courses that allows you to meet your career objectives.

Good Career Opportunities

Engineering managers are #6 on the top 20 list of best paying jobs in the 21st century according to careerbuilder.com

Serving a Diverse Student Community

MultQuip
Colorado National State Park
Micron Technology, Inc.
US Air Force
Idaho National Laboratory
Indian health Services
US Army Corps of Engineers
Schweitzer Engineering Laboratories, Inc.
ATK, CCI/Speer
HDR Engineering, Inc.
US Navy
PacifiCorp Energy
City of Idaho Falls
Department of Defense
Idaho Power
Walsh Engineering Services
ConAgra Foods
Washington Closure Hanford
Parker Aerospace

