Department of Mechanical and Industrial Engineering

Contact Information
Department Head
Daniel A. Miller, Ph.D.
220 Roberts Hall; (406) 994-2203
danmiller@montana.edu

Graduate Program Coordinator
Sarah Codd, Ph. D.
314 Roberts Hall; (406) 994-1944
scodd@montana.edu

Application Deadlines
Priority Deadline for Domestic and International Students wanting to be considered for funded assistantships:

Fall Priority - February 1st
• Spring Priority – September 15th

Regular Application Deadlines for Domestic Students:
• Fall - July 1st
• Spring - November 15th

Regular Application Deadlines for International Students:
• Fall - May 1st
• Spring - September 15th

Department funding for Graduate Teaching Assistants (GTA) and Graduate Research Assistants (GRA) is not guaranteed. GTA and GRA funding is typically decided in April and November for the upcoming semester. Applications received after that time will be considered for funding only if opportunities and funds are available.

Research Facilities
The Mechanical and Industrial Engineering Department has well-equipped facilities and laboratories to support instruction and research. These include Advanced Structures, Biomimicry, Computer Integrated Manufacturing, Decision Support Systems and Operations Research, Fluid Mechanics, Fuel Cells, Heat Transfer, High-Performance Computing Facilities, Human Factors, Facilities Design, Instrumental Analysis, Materials Science, Micro-Electromechanical Systems, and Polymers. Extensive facilities for destructive and non-destructive testing of advanced materials and structures are available. Advanced manufacturing facilities for composite materials and structures are continually expanding. Arrangements can also be made for graduate students to use the research facilities of other University departments. The M&IE Department, the College of Engineering, and the MSU campus maintain well-equipped computer labs with a complete complement of hardware and software for student use in coursework and research activities. Research is sponsored by industry and governmental agencies.

Examinations
All Mechanical Engineering and Industrial and Management Engineering master's degree students must follow the degree requirements listed in the Steps to Completing a Master's Degree (http://www.montana.edu/gradschool/current-grad.html) section.

Doctoral candidates are required to pass three examinations: Ph.D. qualifying examination, Ph.D. comprehensive examination, and Ph.D. thesis defense. Refer to the Steps to Completing a Doctoral Degree (http://www.montana.edu/gradschool/current-grad.html) and Ph.D. in Engineering sections for additional information.

Students are expected to be familiar with department, college and Graduate School requirements.

Financial Assistance
Both teaching and research assistantships are available on a competitive basis. Teaching assistantships involve assisting professors with the conduct of their classes, including preparation and grading. Research assistantships provide the opportunity for work on a research grant or industry sponsored project under the direction of a faculty member. Interested applicants should make inquiry directly to the Graduate Program Coordinator in the Mechanical & Industrial Engineering Department.

See the Graduate Assistantships (http://www.montana.edu/gradschool) sections for detailed information on appointment criteria.

Graduate Programs

• M.S. in Industrial and Management Engineering (http://catalog.montana.edu/graduate/engineering/mechanical-industrial-engineering/industrial-engineering)
• M.S. in Mechanical Engineering (http://catalog.montana.edu/graduate/engineering/mechanical-industrial-engineering/mechanical-engineering)
• M.Eng. in Mechanical Engineering (http://catalog.montana.edu/graduate/engineering/mechanical-industrial-engineering/mechanical-engineering)
• Ph.D. in Engineering -- Industrial Engineering option (http://catalog.montana.edu/graduate/engineering/engineering-phd)
• Ph.D. in Engineering -- Mechanical Engineering option (http://catalog.montana.edu/graduate/engineering/engineering-phd)
• Ph.D. in Materials Science (http://catalog.montana.edu/graduate/letters-science/chemistry-biochemistry/phd-materials-science)
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.