Department of Mechanical and Industrial Engineering

Contact Information

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Application Deadlines

• Fall: July 1
• Spring: November 15

Note: International applicants must submit their applications two months prior to the above dates.

Research Facilities

The laboratories of the department are well equipped for research in all areas supported by the department. Flexible manufacturing systems, robotics, machine vision, and computer-aided manufacturing are supported by a computer integrated manufacturing laboratory. 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. An ergonomics/human factors laboratory concentrates on industrial ergonomics with equipment to address biomechanical and physiological aspects of industrial tasks. Facilities for decision support systems, facilities design, and expert systems are undergoing expansion. Arrangements can also be made for graduate students to use the research facilities of other University departments. State-of-the-art computer facilities are available at the department, college, and university levels. 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 I&E or ME.

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 and Mechanical Engineering options (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)