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.

**Graduate Programs**

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

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

**Research Facilities**

The Mechanical and Industrial Engineering Department has well-equipped facilities and laboratories to support instruction and research. These include Advanced Structures, Biomechanics, 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 Systems 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.
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.