



### *Twin Cities Campus*

## Mechanical Engineering Minor

*Mechanical Engineering*

### College of Science and Engineering

Link to a [list of faculty](#) for this program.

#### Contact Information:

Mechanical Engineering and Industrial Engineering Graduate Programs, University of Minnesota, 1120 Mechanical Engineering, 111 Church Street S.E., Minneapolis, MN 55455 (612-625-2009; fax: 612-624-2010)

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Website: <http://www.me.umn.edu>

- Program Type: Graduate minor related to major
- Requirements for this program are current for Fall 2016
- Length of program in credits (Masters): 6
- Length of program in credits (Doctorate): 12
- This program does not require summer semesters for timely completion.

Along with the program-specific requirements listed below, please read the [General Information](#) section of the catalog website for requirements that apply to all major fields.

Coursework and research for all graduate degrees are offered in bioengineering; biomechanics; combustion; computer-aided design; computer-aided manufacturing; computer graphics; control systems; design; energy conservation; environmental control; environmental engineering; fluid mechanics; heat and mass transfer; history of science and technology; human factors engineering; industrial engineering; innovative methodologies; integration of structural and environmental systems; lubrication; manufacturing engineering; particle technology; plasma chemistry; plasma heat transfer; power, propulsion, and applied thermodynamics; socioeconomic systems; solar energy; solar processing and thermochemistry; statistics; structures; systems dynamics; technology assessment; thermal energy storage; thermal environmental engineering; thermodynamics; transportation; tribology; vibration; and interdisciplinary finite element methodology. Additional instructional and research programs can be formulated.

### Program Delivery

This program is available:

- via classroom (the majority of instruction is face-to-face)

### Prerequisites for Admission

For an online application or for more information about graduate education admissions, see the [General Information](#) section of the catalog website.

### Program Requirements

Use of 4xxx courses towards program requirements is not permitted.

Mechanical engineering courses at the 5xxx or 8xxx level may be used for the minor, with the following exceptions: ME 8773, ME 8774, and ME 8794.

### Program Sub-plans

Students are required to complete one of the following sub-plans.

Students may not complete the program with more than one sub-plan.

#### Master's Minor

At least 6 credits in mechanical engineering are required for a master's minor.

#### Doctoral Minor

At least 12 credits in mechanical engineering are required for a doctoral minor.