

# MECHANICAL ENGINEERING: RESEARCH, MS

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum academic progress and degree requirements (<http://guide.wisc.edu/graduate/#policiesandrequirements>), in addition to the program requirements listed below.

### NAMED OPTION REQUIREMENTS

#### MODE OF INSTRUCTION

Face to Face	Evening/Weekend	Online	Hybrid	Accelerated
Yes	No	No	No	No

#### Mode of Instruction Definitions

**Accelerated:** Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

**Evening/Weekend:** Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

**Face-to-Face:** Courses typically meet during weekdays on the UW–Madison Campus.

**Hybrid:** These programs combine face-to-face and online learning formats. Contact the program for more specific information.

**Online:** These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

### CURRICULAR REQUIREMENTS

#### Requirement Detail

Minimum Credit Requirement 30 credits

Minimum Residence Credit Requirement 21 credits

Minimum Graduate Coursework Requirement 15 credits must be graduate-level coursework. Refer to the Graduate School: Minimum Graduate Coursework (50%) Requirement policy: <https://policy.wisc.edu/library/UW-1244> (<https://policy.wisc.edu/library/UW-1244/>).

Overall 3.00 GPA required.  
Graduate GPA Requirement Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <https://policy.wisc.edu/library/UW-1203> (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade Requirements Students must earn a C or above in all formal coursework.

Students may not have more than two incompletes on their record at any one time.

Assessments and Examinations The MS Mechanical Engineering: Research requires the student pass a formal thesis defense.

Language Requirements No language requirements.

### REQUIRED COURSES

Two semesters of M E 903 Graduate Seminar are required. These should be taken the first two semesters the student is in residence.

A minimum of 18 formal course credits\* are required. Within these 18 credits, a minimum of 9 formal course credits in Mechanical Engineering (M E ([http://guide.wisc.edu/courses/m\\_e/](http://guide.wisc.edu/courses/m_e/))) and/or Engineering Mechanics (E M A ([http://guide.wisc.edu/courses/e\\_m\\_a/](http://guide.wisc.edu/courses/e_m_a/))), taken at UW–Madison, and at least 3 formal credits numbered 700 or higher, are required.

\*Formal credits are any course offering that is not a seminar course, thesis research course, or independent study course.

A minimum of 9 thesis credits (M E 790 Master's Research and Thesis) are required.

All courses for the Mechanical Engineering graduate program must be numbered 400 and above. Exception: Up to one (3 credit) course numbered 300–399 in engineering, math, or the sciences taken at UW–Madison can also be used towards the formal course credit requirement. This course can be from Mechanical Engineering and/or Engineering Mechanics if approved by the student's advisor and the Mechanical Engineering graduate committee.

### Advisor Approval of Study Plan

The faculty advisor must always approve the courses a student takes in the MS program. Students should schedule an appointment with their advisor when selecting their courses. During the final semester, the faculty advisor will review the courses taken again and if approved, sign the warrant request form.