

ENGINEERING MECHANICS: RESEARCH, MS

ADMISSIONS

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Please consult the table below for key information about this degree program's admissions requirements. The program may have more detailed admissions requirements, which can be found below the table or on the program's website.

Graduate admissions is a two-step process between academic programs and the Graduate School. **Applicants must meet the minimum requirements (<https://grad.wisc.edu/apply/requirements/>) of the Graduate School as well as the program(s).** Once you have researched the graduate program(s) you are interested in, apply online (<https://grad.wisc.edu/apply/>).

Requirements	Detail
Fall Deadline	December 15
Spring Deadline	September 1
Summer Deadline	December 15
GRE (Graduate Record Examinations)	Not required.*
English Proficiency Test	Every applicant whose native language is not English, or whose undergraduate instruction was not exclusively in English, must provide an English proficiency test score earned within two years of the anticipated term of enrollment. Refer to the Graduate School: Minimum Requirements for Admission policy: https://policy.wisc.edu/library/UW-1241 (https://policy.wisc.edu/library/UW-1241/).
Other Test(s) (e.g., GMAT, MCAT)	n/a
Letters of Recommendation Required	3

* Submitted scores will not be used in admission decisions.

APPLICATION REQUIREMENTS AND PROCESS

Degree

For admission to graduate study in Engineering Mechanics, an applicant must have a bachelor's degree in engineering, mathematics, or physical science, and an undergraduate record that indicates an ability to successfully pursue graduate study. International applicants must have a degree comparable to a regionally accredited US bachelor's degree.

It is highly recommended that students take courses that cover the same material as these UW-Madison courses before entering the program:

Code	Title	Credits
Advanced Mathematics		3
MATH 319	Techniques in Ordinary Differential Equations	
or MATH 320	Linear Algebra and Differential Equations	
or MATH 321	Applied Mathematical Analysis	
Linear Algebra and Matrices		3
MATH 320	Linear Algebra and Differential Equations	
or MATH 340	Elementary Matrix and Linear Algebra	
Mechanics of Materials		3
E M A 303	Mechanics of Materials	
Dynamics		3
E M A 202	Dynamics	
or PHYSICS 311	Mechanics	

Descriptions of course content can be accessed through Guide (<https://guide.wisc.edu/courses/>). Applicants may be admitted without having taken these courses. However, in such cases the applicants must inform their advisors, who will help them plan courses of study that will provide adequate background for our department's graduate curriculum.

All applicants must satisfy requirements that are set forth by the Graduate School (<https://grad.wisc.edu/apply/requirements/>).

GPA

The Graduate School requires a minimum undergraduate grade point average of 3.0 on a 4.0 scale on the equivalent of the last 60 semester hours from the most recent bachelor's degree or a master's degree with a minimum cumulative GPA of 3.0 on a 4.0 scale.

MS Thesis Track Advisor Selection Process

Applicants who intend to complete a thesis are encouraged to identify potential faculty advisors and seek a confirmation. Review the department Research (<https://engineering.wisc.edu/departments/mechanical-engineering/research/>) and People (<https://directory.engr.wisc.edu/me/faculty/>) websites and contact those whose research interests align with yours. Only faculty members listed with the titles of Assistant Professor, Associate Professor, or Professor, can serve as graduate advisors. Do not contact Emeritus faculty, Lecturers, Research Scientists, or Faculty Associates. You are also encouraged to inquire about possible funding opportunities. If a faculty member agrees to be your advisor, ask the person to email an acknowledgment to emgradadmission@engr.wisc.edu.

APPLICATION MATERIALS

Each application must include the following:

- Graduate School Application (<https://grad.wisc.edu/apply/>)
- Academic transcripts
- Statement of purpose
- Resume/CV
- Three letters of recommendation
- English proficiency score (if required)
- Application Fee

Academic Transcripts

Within the online application, upload the undergraduate transcript(s) and, if applicable, the previous graduate transcript. Unofficial copies of transcripts are required for review, but official copies are required for

admitted applicants. Do not send transcripts or any other application materials to the Graduate School or the Department of Mechanical Engineering unless requested. Review the requirements set by the Graduate School (<https://grad.wisc.edu/apply/requirements/>) for additional information about degrees/transcripts.

Statement of Purpose

In this document, applicants should explain why they want to pursue further education in Engineering Mechanics and discuss which UW faculty members they would be interested in doing research with during their graduate study (see the Graduate School for more advice on how to structure a personal statement (<https://grad.wisc.edu/apply/prepare/>)).

Resume

Upload your resume in your application.

Three Letters of Recommendation

These letters are required from people who can accurately judge the applicant's academic and/or research performance. It is highly recommended these letters be from faculty familiar with the applicant. Letters of recommendation are submitted electronically to graduate programs through the online application. See the Graduate School for FAQs (<https://grad.wisc.edu/apply/>) regarding letters of recommendation. Letters of recommendation are due by the deadline.

English Proficiency Score

Every applicant whose native language is not English, or whose undergraduate instruction was not in English, must provide an English proficiency test score. The UW-Madison Graduate School accepts TOEFL, IELTS, or Duolingo English Test scores. Your score will not be accepted if it is more than two years old from the start of your admission term. Country of citizenship does not exempt applicants from this requirement. Language of instruction at the college or university level and how recent the language instruction was taken are the determining factors in meeting this requirement.

International degree-seeking applicants must prove English proficiency using the Graduate School's requirements (<https://grad.wisc.edu/apply/requirements/>).

Application Fee

Application submission must be accompanied by the one-time application fee. See the Graduate School for FAQs (<https://grad.wisc.edu/apply/>) for information on the application fee.

Fee grants are available, refer to the applying for a fee grant (<https://grad.wisc.edu/apply/fee-grant/>) for information.

REENTRY ADMISSIONS

If previously enrolled as a graduate student in the Engineering Mechanics program, and applicants have not earned their degree, but have had a break in enrollment for a minimum of a fall or spring term, an application to resume studies is required. Review the Graduate School: Readmission (<https://policy.wisc.edu/library/UW-1230/>) for policy information. The previous faculty advisor (or another Engineering Mechanics faculty advisor) must be willing to supply advising support and should e-mail the Engineering Mechanics Graduate Student Services Coordinator regarding next steps in the process.

If previously enrolled in a UW-Madison graduate degree, completed that degree, have had a break in enrollment since earning the degree and would now like to apply for another UW-Madison program, applicants are required to submit a new student application through the UW-Madison Graduate School online application. For Engineering Mechanics graduate

programs, you must follow the entire application process as described above.

CURRENTLY ENROLLED GRADUATE STUDENT ADMISSIONS

Students currently enrolled as a graduate student at UW-Madison, whether in Engineering Mechanics or a non-Engineering Mechanics graduate program, wishing to apply to this degree program should contact the Engineering Mechanics Graduate Admissions Team (see contact information box) to inquire about the process and deadlines several months in advance of the anticipated enrollment term. Current students may apply to change or add programs for any term (fall, spring, or summer).

QUESTIONS

If you have questions, contact emgradadmission@engr.wisc.edu.