

# ENGINEERING, MENG

## OUR PROGRAMS

We improve the practice of engineering by providing world-class, objective continuing education and credit instruction for technical professionals.

Programs are structured to help you as a working professional continue your educational path without interrupting your career. You will be empowered, engaged, and more passionate about your career after completing a degree program from UW–Madison. You will have the confidence and skills to take your projects or your responsibilities to the next level. UW–Madison’s instructors are leading experts from industry, research, private practice, government, and education.

The named options are:

- Master of Engineering–Named Option: Engine Systems (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engine-systems-meng/>)
- Master of Engineering–Named Option: Engineering Data Analytics (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-data-analytics-meng/>)
- Master of Engineering–Named Option: Engineering Management (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-management-meng/>)
- Master of Engineering–Named Option: Manufacturing Systems Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-manufacturing-systems-engineering-meng/>)
- Master of Engineering– ( <https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-polymer-engineering-meng/>)Named Option: Polymer Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-polymer-engineering-meng/>)
- Master of Engineering–Named Option: Sustainable Systems Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-sustainable-systems-engineering-meng/>)

[wide/engineering-meng/engineering-manufacturing-systems-engineering-meng/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-manufacturing-systems-engineering-meng/)) (suspended, will be discontinued)

- Master of Engineering–Named Option: Polymer Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-polymer-engineering-meng/>)
- Master of Engineering–Named Option: Sustainable Systems Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-sustainable-systems-engineering-meng/>)

## FUNDING

### FUNDING

#### GRADUATE SCHOOL RESOURCES

[The Bursar’s Office provides information about tuition and fees associated with being a graduate student. Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information is available from the Graduate School.](#) Be sure to check with your program for individual policies and restrictions related to funding.

#### PROGRAM RESOURCES

Students in the Engineering MEng programs are allowed to accept teaching assistantships, project assistantships, and research assistantships, but will not receive tuition remission.

Students in these programs cannot enroll in other graduate programs nor take courses outside the prescribed curriculum. If you intend to combine study in this program with other academic programs at UW–Madison, please contact Interdisciplinary Professional Program’s Student Services Department ([studentservices@interpro.wisc.edu](mailto:studentservices@interpro.wisc.edu)).

#### Scholarships

Learn about scholarship opportunities (<http://scholarships.wisc.edu/>).

#### Employer Support

Many students receive some financial support from their employers. Often, students find it beneficial to sit down with their employer and discuss how this program applies to their current and future responsibilities. Other key points to discuss include how participation will not interrupt your work schedule.

#### Federal Loans

Students who are U.S. citizens or permanent residents are eligible to receive some level of funding through the federal direct loan program. These loans are available to qualified graduate students who are taking at least four credits during the Fall and Spring semesters, and two credits during Summer. Private loans are also available. Learn more about financial aid (<https://financialaid.wisc.edu/>).

## REQUIREMENTS

### MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirementstext>) and policies (<https://guide.wisc.edu/graduate/#policiestext>), in addition to the program requirements listed below.

## ADMISSIONS

### ADMISSIONS

Students apply to the Master of Engineering in Engineering through one of the named options:

- Master of Engineering–Named Option: Engine Systems (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engine-systems-meng/>) (suspended, will be discontinued)
- Master of Engineering–Named Option: Engineering Data Analytics (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-data-analytics-meng/>)
- Master of Engineering–Named Option: Engineering Management (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-management-meng/>) (suspended, will be discontinued)
- Master of Engineering–Named Option: Manufacturing Systems Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-manufacturing-systems-engineering-meng/>)

## MAJOR REQUIREMENTS CURRICULAR REQUIREMENTS

### Requirement Detail

Minimum Credit Requirement	30 credits
Minimum Residence Credit Requirement	16 credits
Minimum Graduate Coursework Requirement	See one of the MEng named options (linked below) for specific requirement information.
Overall Graduate GPA Requirement	3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <a href="https://policy.wisc.edu/library/UW-1203">https://policy.wisc.edu/library/UW-1203</a> ( <a href="https://policy.wisc.edu/library/UW-1203/">https://policy.wisc.edu/library/UW-1203/</a> ).
Other Grade Requirements	See Named Options for policy information.
Assessments and Examinations	No formal examination required.
Language Requirements	No language requirements.

## REQUIRED COURSES

Select a named option (p. 2) for courses required.

## NAMED OPTIONS

A named option is a formally documented sub-major within an academic major program. Named options appear on the transcript with degree conferral. Students pursuing the Master of Engineering in Engineering must select one of the following named options:

View as listView as grid

- **ENGINEERING: ENGINE SYSTEMS, MENG** ([HTTPS://GUIDE.WISC.EDU/GRADUATE/ENGINEERING-COLLEGE-WIDE/ENGINEERING-MENG/ENGINEERING-ENGINE-SYSTEMS-MENG/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engine-systems-meng/))
- **ENGINEERING: ENGINEERING DATA ANALYTICS, MENG** ([HTTPS://GUIDE.WISC.EDU/GRADUATE/ENGINEERING-COLLEGE-WIDE/ENGINEERING-MENG/ENGINEERING-ENGINEERING-DATA-ANALYTICS-MENG/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-data-analytics-meng/))
- **ENGINEERING: ENGINEERING MANAGEMENT, MENG** ([HTTPS://GUIDE.WISC.EDU/GRADUATE/ENGINEERING-COLLEGE-WIDE/ENGINEERING-MENG/ENGINEERING-ENGINEERING-MANAGEMENT-MENG/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-management-meng/))
- **ENGINEERING: MANUFACTURING SYSTEMS ENGINEERING, MENG** ([HTTPS://GUIDE.WISC.EDU/GRADUATE/ENGINEERING-COLLEGE-WIDE/ENGINEERING-MENG/ENGINEERING-MANUFACTURING-SYSTEMS-ENGINEERING-MENG/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-manufacturing-systems-engineering-meng/))
- **ENGINEERING: POLYMER ENGINEERING, MENG** ([HTTPS://GUIDE.WISC.EDU/GRADUATE/ENGINEERING-COLLEGE-WIDE/ENGINEERING-MENG/ENGINEERING-POLYMER-ENGINEERING-MENG/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-polymer-engineering-meng/))
- **ENGINEERING: SUSTAINABLE SYSTEMS ENGINEERING, MENG** ([HTTPS://GUIDE.WISC.EDU/GRADUATE/ENGINEERING-COLLEGE-WIDE/ENGINEERING-MENG/ENGINEERING-SUSTAINABLE-SYSTEMS-ENGINEERING-MENG/](https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-sustainable-systems-engineering-meng/))

## POLICIES

### POLICIES

Students should refer to one of the named options for policy information:

- Master of Engineering–Named Option: Engine Systems (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engine-systems-meng/>) (suspended, will be discontinued)
- Master of Engineering–Named Option: Engineering Data Analytics (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-data-analytics-meng/>)
- Master of Engineering–Named Option: Engineering Management (<https://guide.wisc.edu/graduate/engineering-college-wide/>)

engineering-meng/engineering-engineering-management-meng/)  
(suspended, will be discontinued)

- Master of Engineering–Named Option: Manufacturing Systems Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-manufacturing-systems-engineering-meng/>) (suspended, will be discontinued)
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- Master of Engineering–Named Option: Sustainable Systems Engineering (<https://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-sustainable-systems-engineering-meng/>)

## PROFESSIONAL DEVELOPMENT

### PROFESSIONAL DEVELOPMENT GRADUATE SCHOOL RESOURCES

Take advantage of the Graduate School's professional development resources (<https://grad.wisc.edu/pd/>) to build skills, thrive academically, and launch your career.

### COLLEGE OF ENGINEERING RESOURCES

The Interdisciplinary Professional Programs office in the College of Engineering offers a number of professional development opportunities in the form of short courses, certificates, and custom courses designed to enhance professional growth and provide opportunities for career advancement. Learn more about our professional development offerings (<https://interpro.wisc.edu/courses/>).

## LEARNING OUTCOMES

### LEARNING OUTCOMES

1. Demonstrate a strong understanding of mathematical, scientific, and engineering principles in the field.
2. Demonstrate an ability to formulate, analyze and independently solve advanced engineering problems.
3. Apply the relevant scientific and technological advancements, techniques and engineering tools to address these problems.
4. Recognize and apply principles of ethical and professional conduct.