ENGGINEERING, M.ENG.

OUR PROGRAMS

We improve the practice of engineering by providing world-class, objective continuing education and credit instruction for technical professionals. We increase students’ communication skills, enhance the public’s understanding of science and technology, and emulate the Wisconsin Idea. (https://www.wisc.edu/wisconsin-idea)

Programs are structured to help working professionals continue their educational path without interrupting their full-time jobs. You will be empowered, engaged, and more passionate about your career after completing courses or 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 (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engine-systems-meng)
• Master of Engineering—Named Option: Engineering Data Analytics (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-data-analytics-meng)
• Master of Engineering—Named Option: Engineering Management (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-management-meng)
• Master of Engineering—Named Option: Manufacturing Systems Engineering (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-manufacturing-systems-engineering-meng)
• Master of Engineering—Named Option: Sustainable Systems Engineering (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-sustainable-systems-engineering-meng)

ADMISSIONS

The Graduate School sets minimum requirements for admissions (https://grad.wisc.edu/admissions/requirements). Academic program admission requirements are often more rigorous than those set by the Graduate School. Please check the program’s website for details.

Students apply to the master of engineering through one of the named options:

• Master of Engineering—Named Option: Engine Systems (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engine-systems-meng)
• Master of Engineering—Named Option: Engineering Data Analytics (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng/engineering-engineering-data-analytics-meng)

FUNDING

GRADUATE SCHOOL RESOURCES

Resources to help you afford graduate study might include assistantships, fellowships, traineeships, and financial aid. Further funding information (https://grad.wisc.edu/funding) is available from the Graduate School. Be sure to check with your program for individual policies and processes related to funding.

PROGRAM RESOURCES

Students in the Engineering M.Eng. programs are not permitted to accept teaching assistantships, project assistantships, research assistantships or other appointments that would result in a tuition waiver. 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 Engineering Professional Development’s Student Services Department (s (shainah.greene@wisc.edu)Studentservices@epd.wisc.edu (studentservices@epd.wisc.edu).

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

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

MAJOR REQUIREMENTS

Note: The major is currently non-admitting. Students are admitted through one of the named options (sub-majors) below (p. 2).

MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

Evening/Weekend: These programs are offered in an evening and/or weekend format to accommodate working schedules. Enjoy the advantages of on-campus courses...
and personal connections, while keeping your day job. For more information about the meeting schedule of a specific program, contact the program.

**Online:** These programs are offered primarily online. Many available online programs can be completed almost entirely online with all online programs offering at least 50 percent or more of the program work online. Some online programs have an on-campus component that is often designed to accommodate working schedules. Take advantage of the convenience of online learning while participating in a rich, interactive learning environment. For more information about the online nature of a specific program, contact the program.

**Hybrid:** These programs have innovative curricula that combine on-campus and online formats. Most hybrid programs are completed on-campus with a partial or completely online semester. For more information about the hybrid schedule of a specific program, contact the program.

**Accelerated:** These on-campus programs are offered in an accelerated format that allows you to complete your program in a condensed time-frame. Enjoy the advantages of on-campus courses with minimal disruption to your career. For more information about the accelerated nature of a specific program, contact the program.

### CURRICULAR REQUIREMENTS

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Credit Requirement</td>
<td>30 credits</td>
</tr>
<tr>
<td>Minimum Residence Credit Requirement</td>
<td>16 credits</td>
</tr>
<tr>
<td>Minimum Graduate Coursework Requirement</td>
<td>See one of the M.Eng. named options (linked below) for specific requirement information.</td>
</tr>
<tr>
<td>Overall Graduate GPA Requirement</td>
<td>3.00 GPA required</td>
</tr>
<tr>
<td>Other Grade Requirements</td>
<td>Must retake any courses for which a grade below C is recorded.</td>
</tr>
<tr>
<td>Assessments</td>
<td>No formal examination required.</td>
</tr>
<tr>
<td>Examinations</td>
<td>No language requirements.</td>
</tr>
</tbody>
</table>

### REQUIRED COURSES

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

### NAMED OPTIONS (SUB-MAJORS)

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 must select one of the following named options:

- **ENGINEERING: ENGINE SYSTEMS, M.ENG.**  

- **ENGINEERING: ENGINEERING DATA ANALYTICS, M.ENG.**  

- **ENGINEERING: ENGINEERING MANAGEMENT, M.ENG.**  

- **ENGINEERING: MANUFACTURING SYSTEMS ENGINEERING, M.ENG.**  

- **ENGINEERING: SUSTAINABLE SYSTEMS ENGINEERING, M.ENG.**  

- **ENGINEERING: TECHNICAL JAPANESE, M.ENG.**  

### POLICIES

#### GRADUATE SCHOOL POLICIES

The Graduate School’s Academic Policies and Procedures ([https://grad.wisc.edu/acadpolicy](https://grad.wisc.edu/acadpolicy)) provide essential information regarding general university policies. Program authority to set degree policies beyond the minimum required by the Graduate School lies with the degree program faculty. Policies set by the academic degree program can be found below.

#### MAJOR-SPECIFIC POLICIES

**GRADUATE PROGRAM HANDBOOK**

The Graduate Program Handbook ([https://uwmadison.app.box.com/s/gdm737wsc8ti551kaivz58skg7du4k](https://uwmadison.app.box.com/s/gdm737wsc8ti551kaivz58skg7du4k)) is the repository for all of the program’s policies and requirements.

#### PRIOR COURSEWORK

**Graduate Work from Other Institutions**

With program approval, students are allowed to count graduate coursework from other institutions toward the minimum graduate degree credit requirement and the minimum graduate coursework (50%) requirement. No credits from other institutions can be counted toward the minimum graduate residence credit requirement. Coursework earned
five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

**UW–Madison Undergraduate**

Up to 7 credits numbered 300 or above can be counted toward the minimum graduate degree credit requirement. Up to 7 credits of courses numbered 600 or above can be counted toward the minimum graduate coursework (50%) requirement. No credits can be counted toward the minimum graduate residence credit requirement. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

**UW–Madison University Special**

With program approval, students are allowed to count up to 9 credits of coursework numbered 300 or above taken as a UW–Madison Special student toward the minimum graduate residence credit requirement, and the minimum graduate degree credit requirement, and up to 15 credits of courses numbered 700 or above taken as a UW–Madison Special student toward the minimum graduate coursework (50%) requirement. Coursework earned five or more years prior to admission to a master’s degree is not allowed to satisfy requirements.

**PROBATION**

The status of a student can be one of three options:

1. Good standing (progressing according to standards; any funding guarantee remains in place).
2. Probation (not progressing according to standards but permitted to enroll; loss of funding guarantee; specific plan with dates and deadlines in place in regard to removal of probationary status).
3. Unsatisfactory progress (not progressing according to standards; not permitted to enroll, dismissal, leave of absence or change of advisor or program).

**ADVISOR / COMMITTEE**

All students have both a plan advisor and academic advisor (typically the program director or academic director for each program); programs without a fixed curriculum are required to meet with their advisor to outline an approved plan of study by the end of their first academic term.

**CREDITS PER TERM ALLOWED**

15 credits

**TIME CONSTRAINTS**

Master’s degree students who have been absent for five or more consecutive years lose all credits that they have earned before their absence. Individual programs may count the coursework students completed prior to their absence for meeting program requirements; that coursework may not count toward Graduate School credit requirements.

**OTHER**

Students enrolled in these programs are not permitted to accept teaching assistantships, project assistantships, research assistantships, or other appointments that would result in a tuition waiver. 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 Shainah Greene, graduate programs coordinator (shainah.greene@wisc.edu (Shainah.Greene@wisc.edu)).

**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.

**LEARNING OUTCOMES**

1. Acquire a strong background in engineering principles and a thorough knowledge of the latest.
2. Acquire practical engineering experience that will be immediately applicable in the workplace.
3. Demonstrate an ability to formulate, analyze, and solve advanced engineering problems.
4. Demonstrate creative, independent problem solving skills.
5. Apply the latest scientific and technological advancements, advanced techniques, and modern engineering tools to these problems.
6. Acquire knowledge and practice of career-enhancing competencies that enhance professional opportunities and personal success.
7. Recognize and apply principles of ethical and professional conduct.