ENGINEERING: ENGINEERING MANAGEMENT, M.ENG.

This is a named option within the Engineering M. Eng. (http://guide.wisc.edu/graduate/engineering-college-wide/engineering-meng)

The named option Engineering Management is a two- to three-year online engineering master’s program, designed in content and format to help engineers become exceptional leaders and managers.

In this high-impact, proven alternative to a traditional MBA for engineers, students learn to:

• Exercise appropriate leadership and management strategies and practices aligned to the needs of their teams, projects, and organizations.
• Confidently, competently lead engineering teams and projects to well-planned and -executed success.
• Improve the impact of their engineering decisions and project proposals on the financial bottom line of their employer.
• Knowledgeably manage engineering-related legal, marketing, and HR issues.
• Confidently communicate, advocate, and negotiate for successful results with stakeholders, decision-makers, and partners.

Alumni from this award-winning program, launched in 1999, serve in roles from project manager to president with leading engineering employers. The program is tailored for practicing engineers and related technical professionals, offering:

• An online platform accessible to you from anywhere in the world.
• Flexible learning times.
• Courses and projects that apply immediately to real-world work.

Note: The named option in engineering management in the master of engineering degree program was formerly named professional practice (MEPP). The program was renamed in summer 2014.

ADMISSIONS

GRADUATE SCHOOL ADMISSIONS

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

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Deadline</td>
<td>July 1</td>
</tr>
<tr>
<td>Spring Deadline</td>
<td>November 1</td>
</tr>
<tr>
<td>Summer Deadline</td>
<td>May 1</td>
</tr>
<tr>
<td>GRE (Graduate Record Examinations)</td>
<td>Not required.</td>
</tr>
</tbody>
</table>

English Proficiency Test

Every applicant whose native language is not English or whose undergraduate instruction was not in English must provide an English proficiency test score and meet the Graduate School minimum requirements (https://grad.wisc.edu/apply/requirements/#english-proficiency).

Other Test(s) (e.g., GMAT, MCAT) | n/a

Letters of Recommendation Required | 3

A cohort of students begins in summer each year. This is the recommended term to start. Students are also accepted on a rolling basis for fall and spring terms.

• Spring deadline is November 1
• Summer deadline is May 1
• Fall deadline is July 1

Admission requirements for engineers interested in applying are:

• A B.S. degree in engineering from an ABET-approved program
• A minimum undergraduate grade-point average (GPA) of 3.00 on the equivalent of the last 60 semester hours (approximately two years of work) or a master’s degree with a minimum cumulative GPA of 3.00
• Two years of post-baccalaureate work experience in engineering (co-op or intern experience counts toward requirement)

Interested applicants with B.S. degrees in related fields should contact the graduate programs coordinator for more specific admission information at gradadmissions@epd.wisc.edu. For further details about the program, contact Wayne Pferdehirt, program director, at 608-265-2361, wayne.pferdehirt@wisc.edu, or see the program website (https://epd.wisc.edu/online-degree/master-of-engineering-management).

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 (studentservices@epd.wisc.edu).
REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

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

NAMED OPTION REQUIREMENTS

MODE OF INSTRUCTION

<table>
<thead>
<tr>
<th>Mode of Instruction</th>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<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>All courses in this curriculum program are graduate-level courses, identified with the Graduate Level Coursework attribute in the university’s Course Guide (<a href="https://registrar.wisc.edu/course-guide/">https://registrar.wisc.edu/course-guide/</a>), and are offered exclusively to graduate students in the M.Eng. degree program.</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>
</tbody>
</table>

Assessments No formal examination required.

Language No language requirements.

Requirements

REQUISITED COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP D 710</td>
<td>Foundations of Engineering Leadership</td>
<td>2</td>
</tr>
<tr>
<td>EP D 611</td>
<td>Engineering Economics and Management</td>
<td>3</td>
</tr>
<tr>
<td>EP D 612</td>
<td>Technical Project Management</td>
<td>3</td>
</tr>
<tr>
<td>EP D 617</td>
<td>Communicating Technical Information</td>
<td>3</td>
</tr>
<tr>
<td>EP D 470</td>
<td>Engineering Problem Solving with Computers</td>
<td>3</td>
</tr>
<tr>
<td>or EP D 614</td>
<td>Marketing for Technical Professionals</td>
<td></td>
</tr>
<tr>
<td>EP D 416</td>
<td>Engineering Applications of Statistics</td>
<td>3</td>
</tr>
<tr>
<td>or EP D 619</td>
<td>Fostering and Leading Innovation</td>
<td></td>
</tr>
<tr>
<td>EP D 613</td>
<td>International Engineering Strategies and Operations</td>
<td>3</td>
</tr>
<tr>
<td>EP D 616</td>
<td>Engineering Law</td>
<td>2</td>
</tr>
<tr>
<td>EP D 518</td>
<td>Quality Engineering and Quality Management</td>
<td>3</td>
</tr>
<tr>
<td>Take two of the following:</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>EP D 700</td>
<td>Connected Learning Essentials (required for all students entering summer semester)</td>
<td></td>
</tr>
<tr>
<td>EP D 708</td>
<td>Creating Breakthrough Innovations</td>
<td></td>
</tr>
<tr>
<td>EP D D/GEN BUS/ MHR 785</td>
<td>Effective Negotiation Strategies</td>
<td></td>
</tr>
</tbody>
</table>

Total Credits 30

POLICIES

GRADUATE SCHOOL POLICIES

The Graduate School’s Academic Policies and Procedures (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.

NAMED OPTION-SPECIFIC POLICIES

GRADUATE PROGRAM HANDBOOK

The Graduate Program Handbook (https://uwmadison.app.box.com/s/gdm737wscn8iu551kaivz58skq7du4k) 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 Graduate School regularly reviews the record of any student who earned grades of BC, C, D, F, or Incomplete in a graduate course (300 or above), or grade of U in research credits. This review could result in academic probation with a hold on future enrollment or in being suspended from the Graduate School.

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 Engineering Professional Development’s Student Services (studentservices@epd.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.