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

The named option Sustainable Systems Engineering (https://epd.wisc.edu/online-degrees/sustainable-systems-engineering/) is an online master's degree designed to prepare students to understand and apply the policy, science, engineering, and economics of tomorrow's sustainable energy and resource transformation. Through objective, reliable, and cost-effective engineering methods, students will create sustainable solutions for society's grand challenges.

In this program you will learn to

- Apply sustainability principles to engineering practices and renewable/sustainable energy system design
- Gain expertise and knowledge of the environmental, social and economic aspects, and design interplays of sustainability frameworks and renewable energy systems
- Position yourself to lead and ferment sustainability and renewable/sustainable energy project initiatives through your organization and for your clients

The program is tailored for working engineers, offering:

- Knowledge and skills that can immediately be applied to work situations
- Project-based learning with experienced professionals
- Award-winning distance-learning design

More information about this graduate degree can be found here (https://epd.wisc.edu/online-degrees/sustainable-systems-engineering/).

**ADMISSIONS**

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/).

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall Deadline</td>
<td>July 15</td>
</tr>
<tr>
<td>Spring Deadline</td>
<td>November 1</td>
</tr>
<tr>
<td>Summer Deadline</td>
<td>The program does not admit in the summer.</td>
</tr>
<tr>
<td>GRE (Graduate Record</td>
<td>Not required but may be considered if available.*</td>
</tr>
<tr>
<td>Examinations)</td>
<td></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                                                                  |

- Applicants are recommended to submit GRE scores if they have already taken the exam.

Applications are accepted on a rolling basis for fall and spring terms.

The degree may be earned by engineers who have:

- 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

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. Prior coursework should include significant science and math courses. For more details, see the program website. (https://epd.wisc.edu/online-degree/sustainable-systems-engineering/)

**FUNDING**

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 restrictions 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**

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), 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>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Mode of Instruction Definitions

- **Accelerated**: Accelerated programs are offered at a fast pace that condenses the time to completion. Students are able to complete a program with minimal disruptions to careers and other commitments.
- **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

### Requirements Detail

#### Minimum

- **Credit Requirement**: 30 credits
- **Residence Credit Requirement**: 16 credits
- **Graduate Coursework Requirement**: Half of degree coursework (at least 15 credits out of 30 total credits) must be in graduate-level coursework; courses with the Graduate Level Coursework attribute are identified and searchable in the university’s Course Guide (https://registrar.wisc.edu/course-guide/).

#### Overall

- **Graduate GPA Requirement**: 3.00 GPA required.
- **Must retake any courses for which a grade below C is recorded.**
- **No formal examination required.**
- **No language requirements.**

### REQUIRED COURSES

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science and Sustainability Courses (Minimum 9 credits from these courses)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BSE/ENVIR ST 367</td>
<td>Renewable Energy Systems</td>
<td>3</td>
</tr>
<tr>
<td>CIV ENGR 629</td>
<td>Special Topics in Environmental Engineering</td>
<td>3</td>
</tr>
<tr>
<td>E P D 660</td>
<td>Core Competencies of Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>GEOSCI/ENVIR ST 411</td>
<td>Energy Resources</td>
<td>3</td>
</tr>
<tr>
<td>OTM 770</td>
<td>Sustainable Approaches to System Improvement</td>
<td>4</td>
</tr>
<tr>
<td>CIV ENGR/G LE 535</td>
<td>Wind Energy Balance-of-Plant Design</td>
<td>3</td>
</tr>
<tr>
<td>E C E 355</td>
<td>Electromechanical Energy Conversion</td>
<td>3</td>
</tr>
<tr>
<td>E P D 669</td>
<td>Sustainable Systems Engineering Capstone</td>
<td>3</td>
</tr>
<tr>
<td>E P D 690</td>
<td>Special Topics in Engineering Professional Development</td>
<td>1-3</td>
</tr>
<tr>
<td>E P D 699</td>
<td>Independent Study</td>
<td>1-3</td>
</tr>
<tr>
<td>E P D 730</td>
<td>Sustainable Facilities</td>
<td>3</td>
</tr>
<tr>
<td>Elective Courses (Maximum 9 credits from these courses)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E P 602</td>
<td>Special Topics in Engineering Physics</td>
<td>1-3</td>
</tr>
<tr>
<td>E P D 611</td>
<td>Engineering Economics and Management</td>
<td>3</td>
</tr>
<tr>
<td>E P D 612</td>
<td>Technical Project Management</td>
<td>3</td>
</tr>
<tr>
<td>E P D 701</td>
<td>Writing for Professionals</td>
<td>1</td>
</tr>
<tr>
<td>E P D 702</td>
<td>Professional Presentations</td>
<td>1</td>
</tr>
<tr>
<td>E P D 713</td>
<td>Key Legal Concepts for Professionals</td>
<td>1</td>
</tr>
<tr>
<td>E P D/ACCT I S/GEN BUS 781</td>
<td>Financial and Business Acumen</td>
<td>1</td>
</tr>
<tr>
<td>E P D/GEN BUS/MARKETING 782</td>
<td>Marketing for Non-Marketing Professionals</td>
<td>1</td>
</tr>
<tr>
<td>E P D/GEN BUS/MHR 783</td>
<td>Leading Teams</td>
<td>1</td>
</tr>
<tr>
<td>E P D/GEN BUS/OTM 784</td>
<td>Project Management Essentials</td>
<td>1</td>
</tr>
<tr>
<td>E P D/GEN BUS/MHR 785</td>
<td>Effective Negotiation Strategies</td>
<td>1</td>
</tr>
</tbody>
</table>

## 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

### 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.

**GRIEVANCES AND APPEALS**

These resources may be helpful in addressing your concerns:

- Bias or Hate Reporting (https://doso.students.wisc.edu/bias-or-hate-reporting/)
- Graduate Assistantship Policies and Procedures (https://hr.wisc.edu/policies/gapp/#grievance-procedure)
- Hostile and Intimidating Behavior Policies and Procedures (https://hr.wisc.edu/hib/)
- Office of the Provost for Faculty and Staff Affairs (https://facstaffprovost.wisc.edu/)
- Dean of Students Office (https://doso.students.wisc.edu/) (for all students to seek grievance assistance and support)
- Employee Assistance (http://www.eao.wisc.edu/) (for personal counseling and workplace consultation around communication and conflict involving graduate assistants and other employees, post-doctoral students, faculty and staff)
- Employee Disability Resource Office (https://employeedisabilities.wisc.edu/) (for qualified employees or applicants with disabilities to have equal employment opportunities)
- Graduate School (https://grad.wisc.edu/) (for informal advice at any level of review and for official appeals of program/departmental or school/college grievance decisions)
- Office of Compliance (https://compliance.wisc.edu/) (for class harassment and discrimination, including sexual harassment and sexual violence)
- Office of Student Conduct and Community Standards (https://conduct.students.wisc.edu/) (for conflicts involving students)
- Ombuds Office for Faculty and Staff (http://www.ombuds.wisc.edu/) (for employed graduate students and post-docs, as well as faculty and staff)
- Title IX (https://compliance.wisc.edu/titleix/) (for concerns about discrimination)

Students should contact the department chair or program director with questions about grievances.

**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 EPD Student Services at 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.