The MEng in Engineering, Energy Systems Concentration is a professionally oriented degree program for students whose primary intent is a career in industry or government. This degree differs from the Master of Science degree in that it is a terminal degree and not a pathway to a doctoral program. Concentrations under the MEng in Engineering major include Aerospace Systems Engineering (http://catalog.illinois.edu/graduate/engineering/engineering-meng/aerospace-systems/), Autonomy and Robotics (http://catalog.illinois.edu/graduate/engineering/engineering-meng/autonomy-robotics/), Digital Agriculture (http://catalog.illinois.edu/graduate/engineering/engineering-meng/digital-agriculture/), Energy Systems (p. 1), Instrumentation and Applied Physics (http://catalog.illinois.edu/graduate/engineering/engineering-meng/instrumentation-applied-physics/), and Plasma Engineering (http://catalog.illinois.edu/graduate/engineering/engineering-meng/plasma-engineering/).

A minimum of 12 500-level credit hours, with a minimum of 8 hours of ENG or NPRE 500-level coursework.
A maximum of one 1-credit-hour course may be applied toward the minimum 12 500-level credit-hour requirement.
No courses used to fulfill any degree requirement may be taken using the "Credit/No Credit" option.
Minimum GPA: 3.0

This degree program can be completed either on campus or online; the requirements are listed below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 471</td>
<td>Seminar Energy &amp; Sustain Engrg</td>
<td>3</td>
</tr>
<tr>
<td>ENG 571</td>
<td>Theory Energy &amp; Sustain Engrg</td>
<td>3</td>
</tr>
<tr>
<td>ABE 436</td>
<td>Renewable Energy Systems</td>
<td>3</td>
</tr>
<tr>
<td>NPRE 480</td>
<td>Energy and Security</td>
<td>3</td>
</tr>
<tr>
<td>or NPRE 481</td>
<td>Writing on Technol &amp; Security</td>
<td>3</td>
</tr>
<tr>
<td>Electives (approved by academic advisor)</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>Professional Development (choose from these 3 options):</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>ENG 572</td>
<td>Professional Practicum (4 hours)</td>
<td>1</td>
</tr>
<tr>
<td>ENG 573</td>
<td>Capstone Project (4 hours)</td>
<td>1</td>
</tr>
<tr>
<td>• Select a different course with professional development components in consultation with advisor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 32

Other Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A minimum of 20 credit hours must be taken from the University of Illinois Urbana-Champaign campus.</td>
<td></td>
</tr>
</tbody>
</table>

For additional details and requirements refer to the program's Website (https://energysystemsmeng.engineering.illinois.edu/curriculum/) and the Graduate College Handbook (http://grad.illinois.edu/gradhandbook/).

Admission

Students with bachelor's or master's degrees in engineering or related fields will be considered for admission if they have a grade point average of at least 3.00 (A = 4.00) for the last two years of undergraduate study. Admission is possible for the spring term, but most admissions are for the fall term. Full details of admission requirements are on the Energy Systems Concentration website (https://energysystemsmeng.engineering.illinois.edu/).

All applicants whose native language is not English are required to submit TOEFL (http://www.toefl.org/) or International English Language Testing System (IELTS) (http://www.ielts.org/) scores as evidence of English proficiency. Minimum admission requirements (https://grad.illinois.edu/admissions/instructions/04c/) are set by the Graduate College.

Financial Aid

Students in concentrations under the MEng in Engineering major are not eligible for Board of Trustees (BOT) tuition-waiver generating assistantships at the University of Illinois.

Other Graduate Programs in the Department of Nuclear, Plasma & Radiological Engineering

• degrees:
  • Nuclear, Plasma, & Radiological Engineering, PhD (http://catalog.illinois.edu/graduate/engineering/nuclear-plasma-radiological-engineering-phd/)

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- optional concentrations:
  - Computational Science & Engineering (http://catalog.illinois.edu/graduate/engineering/concentration/computational-science-engineering/)
- concentrations:
  - Energy Systems (p. 1)
  - available for:
    - Engineering, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/)
    - Plasma Engineering (http://catalog.illinois.edu/graduate/engineering/engineering-meng/plasma-engineering/)
  - available for:
    - Engineering, MENG (http://catalog.illinois.edu/graduate/engineering/engineering-meng/)

The Department of Nuclear, Plasma & Radiological Engineering (NPRE) offers programs leading to degrees of Master of Science and Doctor of Philosophy in Nuclear, Plasma & Radiological Engineering, as well as Master of Engineering in Engineering with a Concentration in Energy Systems or a Concentration in Plasma Engineering. The Master of Science and Doctor of Philosophy degree programs are centered around five theme areas:

- nuclear power
- plasma physics and fusion
- radiological science
- materials science
- reliability and risk

Advanced course work and active research programs are offered in all of these areas.

for the degree of Master of Engineering in Engineering, Energy Systems Concentration

Department Head Rizwan Uddin (rizwan@illinois.edu)

Energy Systems MEng, Graduate Admissions & Requirements (https://energysystemsmeng.engineering.illinois.edu/admissions/)
Graduate College Admissions (https://grad.illinois.edu/admissions/apply/)

Department Website (https://npre.illinois.edu/)
Energy Systems MEng Program Website (https://energysystemsmeng.engineering.illinois.edu/)

Grainger College of Engineering Website (https://grainger.illinois.edu/)

Contact: Amy McCullough
Address: 403 A-2 Engineering Hall, 1308 W Green St, Urbana, IL 61801
phone: (217) 300-2378
email: meng-es@illinois.edu

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