Master of Energy Engineering

Admission Requirements
Transcripts of all undergraduate and any graduate work must be submitted. In addition to the Graduate College minimum requirements, applicants must meet the following program requirements:

- **Baccalaureate Degree and Field** A baccalaureate degree or its equivalent in an engineering discipline, mathematics, computer science, or a natural science, such as physics or chemistry, from an accredited college or university will be required, except in special cases. Generally qualified candidates may be required by the department to remove specific course work deficiencies by completing selected undergraduate courses prior to matriculation or graduation. In most cases, the prerequisites for admission to the degree program would be satisfied by one course in thermodynamics and one in heat transfer, and these are prerequisites for several of the required courses in the degree.

- **Grade Point Average** At least 3.00/4.00 for the final 60 semester (90 quarter) hours of undergraduate study and any postbaccalaureate course work.

- **Minimum English Competency Test Score**
  - TOEFL 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Test); 60, with subscores of Reading 19, Listening 17, Writing 21 (revised Paper-Delivered Test), OR,
  - IELTS 6.5, with subscores of 6.0 for all four subscores, OR,
  - PTE-Academic 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.

Degree Requirements
In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Minimum Semester Hours Required** 32 hours of course work. No thesis is required.

- **Course Work**

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ENER 420</td>
<td>Combined Heat and Power, Design, and Management</td>
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<tr>
<td>ENER 422</td>
<td>Building Heating, Ventilating, and Air-Conditioning</td>
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<tr>
<td>ENER 424</td>
<td>Industrial Energy Management and Conservation</td>
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<tr>
<td>ENER 429</td>
<td>Internal Combustion Engines</td>
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<tr>
<td>ENER 451</td>
<td>Electric Power Generation</td>
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<tr>
<td>ENER 501</td>
<td>Engineering Project Coordination and Management</td>
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<tr>
<td>ENER 552</td>
<td>Design of Energy Efficient Buildings</td>
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<tr>
<td>ENER 553</td>
<td>Sustainable Energy Engineering and Renewable Energy</td>
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- Any substitute courses to the above required courses must be approved first by the student’s advisor and then by the director of graduate studies.
- **Comprehensive Examination** None.
- **Thesis, Project, or Course-Work-Only Options** Course work only.

- Students must get the approval of the director of graduate studies to take online courses.