Applied Engineering
M.S.A.E. (Concentration
in Energy Science) (Non-
Thesis)

Degree Requirements: 30 Credit Hours
(Non-Thesis)

Admission Requirements

Regular
1. Completed requirements for the Bachelor’s degree at a college or
   university accredited by the proper regional accrediting association.
2. An undergraduate degree or the equivalent in the proposed or closely
   related field of study.
3. A 2.75 (4.0 scale) cumulative grade point average or higher on
   courses in undergraduate work, or equivalent.
4. International students must meet College of Graduate Studies English
   Proficiency requirements.

Provisional

A student may be granted provisional admission based upon the
recommendation of the Master of Science in Applied Engineering
Graduate Coordinator or department chair.

Non-Degree

Non-degree students are accepted on an individual basis as space is
available.

Program Concentrations

The Master of Science in Applied Engineering degree program provides
concentrations in Advanced Manufacturing Engineering, Civil Engineering
and Construction, Electrical & Electronic Systems, Mechanical
Engineering, Mechatronics, Energy Science, Engineering Management,
and Information Technology.

A minimum of 50% of courses for the Master of Science in Applied
Engineering degree must be taken at or above the 6000 level.

Degree Requirements

<table>
<thead>
<tr>
<th>Core Requirements</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5530G Mathematics for Scientists and Engineers</td>
<td>3</td>
</tr>
<tr>
<td>MENG 7137 Principles of Modeling and Simulation</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7136 Mechatronics I</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530 Research in Applied Engineering</td>
<td>3</td>
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<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>15</td>
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<tr>
<td>TMAE 7891 Independent Study</td>
<td>3</td>
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</tbody>
</table>

Other Non-Thesis Track Requirements

Comprehensive Exam
Total Credit Hours 30

The MSAE concentration in Energy Science is no longer accepting incoming students. Please visit the catalog page for the MS in Mechanical Engineering degree program to begin your advanced studies in this area.