Applied Engineering M.S.A.E. (Concentration in Electrical and Electronic Systems) Non-Thesis

Degree Requirements: 30 Credit Hours

Total Hours

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.
5. The Master of Science in Applied Engineering program with an Information Technology concentration requires: a) a bachelor’s degree in computer sciences, information systems, information technology, or related field and a minimum of 2-years of work experience in IT or related field; or b) a bachelor’s degree and a least 4-years of work experience in IT or related field; or c) permission of the Graduate Program Director.

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


Degree Requirements

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5530G</td>
<td>Mathematics for Scientists and Engineers</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7330</td>
<td>Advanced Electromagnetics</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7331</td>
<td>Advanced Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7332</td>
<td>Digital Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>TMAE 7530</td>
<td>Research in Applied Engineering</td>
<td>3</td>
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<td></td>
<td>Restricted Elective courses at or above the 5000 level contracted with the faculty advisor and degree coordinator</td>
<td>12</td>
</tr>
<tr>
<td>TMAE 7891</td>
<td>Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

Other Non-Thesis Track Requirements

Comprehensive Exam

Total Credit Hours 30

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