Electrical Engineering M.S.E.E. (Thesis)

Degree Requirements: 30 Credit Hours

Admission Requirements

Regular

For regular admission to the Master of Science in Electrical Engineering (MSEE) degree program, the applicant must have:

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 Electrical Engineering program requires: a) a bachelor’s degree in electrical engineering, computer engineering, or related field; or b) permission of the Graduate Program Director.

Provisional

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

Non-Degree

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

Degree Requirements: 30 Credit Hours (Thesis)

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

Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>MATH 5530G</td>
<td>Mathematics for Scientists and Engineers</td>
<td>3</td>
</tr>
<tr>
<td>EENG 7330</td>
<td>Advanced Electromagnetics</td>
<td>3</td>
</tr>
<tr>
<td>EENG 7331</td>
<td>Advanced Digital Signal Processing</td>
<td>3</td>
</tr>
<tr>
<td>EENG 7332</td>
<td>Digital Control Systems</td>
<td>3</td>
</tr>
<tr>
<td>EENG 7530</td>
<td>Research in Electrical Engineering</td>
<td>3</td>
</tr>
<tr>
<td>Restricted Elective courses at or above the 5000G level as contracted with the faculty advisor and degree coordinator</td>
<td>9</td>
<td></td>
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<tr>
<td>EENG 7999</td>
<td>Thesis</td>
<td>6</td>
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</tbody>
</table>

Other Thesis Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comprehensive Exam</td>
<td></td>
</tr>
<tr>
<td>Total Credit Hours</td>
<td>30</td>
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</tbody>
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Thesis

Each candidate for the Master of Science in Electrical Engineering Thesis Track degree must complete a thesis on a subject approved by the graduate thesis committee. Thesis credits must be completed over no less than two semesters. The major professor supervises the research, directs the writing of the thesis, and approves the thesis in its final form. Prior to the final approval, the thesis is read by the thesis committee. One member, termed the second reader, has responsibility for an intensive and rigorous criticism of the thesis and a third member of the thesis committee has the responsibility of an “editorial reader.” Both second and third readers must report all comments to the major professor. The thesis must be defended in an oral examination before the graduate committee prior to final approval and sign-off.

The style and format for the completed thesis shall follow that prescribed by the Director for the Master of Science in Electrical Engineering degree. Procedural steps in the preparation of the thesis are as follows:

1. The prospectus for the thesis shall be submitted to the major professor and thesis committee for approval.
3. The thesis must be electronically submitted to the ETD site for format check by the ETD format check submission deadline as stated in the University Calendar.
4. The final corrected thesis must be electronically submitted to the ETD site by the ETD format check submission deadline as stated in the University Calendar. The final document must be electronically approved by the Thesis Committee.


Advisement

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