### REQUIREMENTS FOR THE MASTER OF SCIENCE

**COLLEGE OF ENGINEERING**

**THE UNIVERSITY OF OKLAHOMA**

For Students Entering the Oklahoma State System for Higher Education:  
**Summer 2016 through Spring 2017**

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#### GENERAL REQUIREMENTS

| Minimum Total Hours (Non-Thesis) | 33 |
| Minimum Total Hours (Thesis)     | 30 |

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#### REQUIRED COURSES

<table>
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<th>Core Courses:</th>
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<tbody>
<tr>
<td>Electrical and Computer Engineering (12 hours)</td>
<td>12</td>
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<td>At least 12 credit hours of ECE coursework at the 5000 level or higher.</td>
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<tr>
<td>Math/Physics (3 hours)</td>
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<td>At least 3 graduate credit hours in either math or physics.</td>
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**Electives (9 hours for thesis students; 18 hours for non-thesis students)**

| ECE 5980 Research for Master's Thesis (Thesis students only) | 6 |

Up to 12 hours of coursework may be double counted (shared) between the B.S. and the M.S. degrees.

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The master’s degree requires the equivalent of at least two semesters of satisfactory graduate work and additional work as may be prescribed for the degree.

All coursework applied to the master’s degree must carry graduate credit.

Master’s degree programs which require a thesis consist of at least 30 credit hours. All non-thesis master’s degree programs require at least 32 credit hours.

Credit transferred from other institutions must meet specific criteria and is subject to certain limitations.

Courses completed through correspondence study may not be applied to the master’s degree.

To qualify for a graduate degree, students must achieve an overall grade point average of 3.0 or higher in the degree program coursework and in all resident graduate coursework attempted. A student must also have at least a 3.0 in all coursework (including undergraduate coursework if any).

All courses must be G4000 level or higher, or from a list approved non-ECE G3000 courses (list is maintained in the ECE department).

No more than 12 hours below the 5000 level may be applied to the degree, of which no more than 9 hours may be ECE coursework below the 5000 level.

Any cross-listed course must be taken under the ECE prefix.  
Any slash-listed course must be taken at the graduate level.

No more than 6 hours of ECE 5990 Special Studies may be taken.  
No more than 12 hours of ECE 5973 Special Topics in ECE may be taken.  
No more than 12 hours of ECE 5283 Special Topics may be taken.  
No more than 12 hours of ECE 6283 Advanced Topics-Digital Signal may be taken.  
No more than 12 hours of ECE 6973 Advanced Topics may be taken.

A student who has done satisfactory graduate work and has earned a 3.0 grade point average may file for master’s candidacy.