REQUIREMENTS FOR THE MASTER OF SCIENCE
COLLEGE OF ENGINEERING
THE UNIVERSITY OF OKLAHOMA

For Students Entering the
Oklahoma State System
for Higher Education:
Summer 2018 through
Spring 2019

GENERAL REQUIREMENTS

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

For Students Entering the
Oklahoma State System
for Higher Education:
Summer 2018 through
Spring 2019

REQUIRED COURSES

**Core DSA Courses:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSA/C S 5005</td>
<td>Computing Structures</td>
<td>5</td>
</tr>
<tr>
<td>DSA/C S 4513</td>
<td>Database Management Systems *</td>
<td>3</td>
</tr>
<tr>
<td>DSA/C S 4413</td>
<td>Algorithm Analysis*</td>
<td>3</td>
</tr>
</tbody>
</table>

*Approved for graduate credit

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSA/ISE 5013</td>
<td>Statistical Analysis for System Design</td>
<td>3</td>
</tr>
<tr>
<td>DSA/ISE 5103</td>
<td>Intelligent Data Analysis</td>
<td>3</td>
</tr>
<tr>
<td>DSA/ISE 5113</td>
<td>Advanced Analytics and Metaheuristics</td>
<td>3</td>
</tr>
</tbody>
</table>

† Core courses may be replaced with additional graduate electives at the discretion of the Graduate Liaison.

**Internship/Practicum** (1 hour for thesis; 4 hours for non-thesis) | 1-4

**Research for Master’s Thesis** (Thesis students only) | 6

**Electives** *(3 hours for thesis; 9 hours for non-thesis):**

3 hours CS, ISE, or DSA elective or others as approved by the Graduate Liaison required; non-thesis students may complete remaining 6 hours outside CS or ISE. | 3-9

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

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).