## REQUIRED COURSES

Degree coursework must include at least two courses taken at the 4000 level or higher, from outside the mathematics department, which use mathematics beyond elementary calculus.

### REQUIRED COURSE (3 hours):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 5103</td>
<td>Mathematical Models</td>
<td>3</td>
</tr>
</tbody>
</table>

### CORE COURSES (14-20 hours):

- Statistics (3 hours): 3 hours
- Numerical Analysis or Computer Science (3 hours): 3 hours
- Abstract Mathematics (6 hours, two courses): 3 hours
- Applied Mathematics (two courses): 3 hours

### ELECTIVES:

Additional hours, selected in consultation with the student’s adviser and committee, to bring total applicable hours to 32.

- Required for Thesis students:
<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
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<tbody>
<tr>
<td>MATH 5980</td>
<td>Research for Master’s Thesis</td>
<td>2</td>
</tr>
</tbody>
</table>

### Note:

- A maximum of 9 hours of coursework outside the Mathematics department can be applied to the degree.
- No more than 9 hours of coursework in Mathematics can be below the 5000 level, and at most 12 hours of G4000 level coursework total.
- No course below the 4000 level can be applied to the degree.
- Twelve hours must be in the Mathematics department at the 5000 level or higher.

- 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).

- Degree coursework must include at least two courses taken at the 4000 level or higher, from outside the mathematics department, which use mathematics beyond elementary calculus.

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**For Students Entering the Oklahoma State System for Higher Education:**

Summer 2018 through Spring 2019

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**Statistics (3 hours)**

**Numerical Analysis or Computer Science (3 hours)**

**Abstract Mathematics (6 hours, two courses)**

**Applied Mathematics (two courses)**

1-3

1-3

**Required for Thesis students:**

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

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