## STATISTICS (M.S.)

### Requirements

M.S. students must complete thirty-six semester hours. Requirements include a statistics core (twelve semester hours), consulting-teaching practicum (three semester hours), and elective courses (twenty-one semester hours). For the M.S.-Ph.D. Masters, students must pass an oral exam. For the professional track, students must complete a capstone project. The Professional Masters may also be completed as part of a 4+1 undergraduate-graduate program with either the B.S. in Statistics from Baylor or a B.A. or B.S. in Mathematics or Applied Mathematics from Baylor.

### Curriculum - M.S.-Ph.D. Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5380</td>
<td>Methods in Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>STA 5381</td>
<td>Methods in Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>STA 5353</td>
<td>Theory of Statistics II</td>
<td>3</td>
</tr>
<tr>
<td>STA 5383</td>
<td>Introduction to Multivariate Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**Practicum Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5V85</td>
<td>Practice in Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

The elective courses are selected from any approved STA course or from approved courses in MTH, CSI, ECO, QBA, MIS, BIO, or PSY.

**Total Hours** 36

### Curriculum - Professional Track

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5300</td>
<td>Statistical Methods</td>
<td>3</td>
</tr>
<tr>
<td>STA 5301</td>
<td>Introduction to Experimental Design</td>
<td>3</td>
</tr>
<tr>
<td>STA 5303</td>
<td>Applied Regression Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STA 5384</td>
<td>Multivariate Statistical Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

**Practicum Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>STA 5V85</td>
<td>Practice in Statistics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses**

The elective courses are selected from any approved STA course or from approved courses in MTH, CSI, ECO, QBA, MIS, BIO, or PSY.

**Total Hours** 36