MASTER OF SCIENCE IN STATISTICS

The Master of Science in Statistics is a thirty-seven hour program designed to produce professionally competent statisticians who will be able to accept positions in business, industry and public service. The degree also provides the academic foundations needed to pursue doctoral studies. The program may be completed with or without a thesis.

Applicants seeking admission to the graduate program in Statistics must submit the following directly to the Office of Graduate Admissions:

1. Graduate Application (http://www.shsu.edu/admissions/apply-texas.html)
2. Application fee (http://www.shsu.edu/dept/graduate-studies/application-fee.html)
3. Official transcript(s) of all previous college work
4. Official GRE scores
5. Official TOEFL or IELTS scores (for international applicants)
6. Three letters of recommendation

An overall undergraduate GPA of 3.0 or higher is preferred for admission into the Statistics program. However, GPA and GRE scores do not constitute the primary criteria for admission. Based on a review of an applicant’s undergraduate transcript, the Department of Mathematics and Statistics may require completion of undergraduate stem courses as a condition for admission.

The degree requires a minimum of thirty-seven hours of graduate credit. An oral comprehensive examination is administered by the advisory committee for each degree candidate. The oral examination must be scheduled with the Graduate Advisor at least three weeks in advance. Students must be enrolled the semester in which they take the comprehensive examination. Requirements specified in the degree plan are subject to minor modification by the department. Also, to ensure a balanced program, all electives must be approved by the graduate advisor or an authorized representative of the graduate Statistics faculty.

Master of Science (MS) in Statistics (Thesis option)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td><strong>Specified Courses</strong></td>
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<tr>
<td>STAT 5111</td>
<td>Software For Stat Sciences</td>
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<tr>
<td>STAT 5333</td>
<td>Dsgn &amp; Anal Of Experiments</td>
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<tr>
<td>STAT 5361</td>
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<td>STAT 5362</td>
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<td>STAT 5364</td>
<td>Applied Multi Statistical Anal</td>
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<td>STAT 5368</td>
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<td>MATH 6368</td>
<td>Numerical Linear Algebra</td>
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<tr>
<td>STAT 5367</td>
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<td>STAT 5369</td>
<td>Stat Computing &amp; Consulting</td>
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<td>STAT 5370</td>
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<tr>
<td>STAT 6377</td>
<td>Intro. To Survival Analysis</td>
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<td>STAT 6398</td>
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**Total Hours** 37
Master of Science (MS) in Statistics (non-thesis option)

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Electives
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Total Hours 37

The Texas Higher Education Coordinating Board (THECB) marketable skills initiative is part of the state's 60x30TX plan and was designed to help students articulate their skills to employers. Marketable skills are those skills valued by employers and/or graduate programs that can be applied in a variety of work or education settings and may include interpersonal, cognitive, and applied skill areas.

The MS in Statistics is designed to provide graduates with the following marketable skills:

- Analyze data to solve problems in a wide variety of industries.
- Develop statistical models and communicate the results in professional reports.
- Experience with multiple phases of course preparation or teaching introductory statistics courses.
- Preparation for further study at the doctoral level in statistics or closely related areas.