Gain hands-on experience with real projects and learn advanced business intelligence skills.

Begun over 25 years ago, the Master's of Science in Applied Statistics is a highly respected program at the Manderson Graduate School of Business.

**About the program:**

Students in the Master's of Science in Applied Statistics program can utilize the Marillyn A. Hewson Data Analytics Lab, taking advantage of cutting-edge technology in a collaborative environment. Students do not need a business degree to earn an MS in Applied Statistics.

The Master of Science degree in Applied Statistics is a flexible program, allowing students to structure courses in a manner that complements their career objectives.

**Required Course Info:**

The program requires 30 hours, half of which are track specific. There are two different tracks within this degree: Statistics and Analytics with five required courses common to both tracks of study. This program offers general courses:

- Classical statistical methods
- Mathematical statistics
- Regression
- Multivariate analysis

As well as specialized courses in topics including:

- Data mining
- Quality control
- Experimental design
- Statistical computing
- Linear models
- Nonparametric statistics
- Statistical learning

Electives may be earned in additional coursework with the approval of a faculty advisor. The program of related courses may vary from student to student and depends on the student's interests and academic background. When most of the coursework is completed, the student must pass a written comprehensive examination OR a professional exam such as the Actuarial P Exam, SAS Predictive Modeler Exam, or the ASQ Certified Quality Engineer Exam.
Master of Science
Applied Statistics

The M.S. degree in Applied Statistics requires 30 hours, half of which are track specific. There are two different tracks within this degree. These include: Statistics and Analytics. There are five required courses common to both tracks of study. The electives may be earned in additional coursework with the approval of a faculty advisor. The program of related courses may vary from student to student and depends on the student's interests and academic background. When most of the coursework is completed, the student must pass a written comprehensive examination OR a professional exam such as the Actuarial P Exam, SAS Predictive Modeler Exam, or the ASQ Certified Quality Engineer Exam.

**Required Courses:**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>ST 552</td>
<td>Applied Regression Analy</td>
<td>3</td>
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<tr>
<td>ST 553</td>
<td>Appld Multivariate Analy</td>
<td>3</td>
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<tr>
<td>ST 554</td>
<td>Math Statistics I</td>
<td>3</td>
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<tr>
<td>ST 555</td>
<td>Math Statistics II</td>
<td>3</td>
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<tr>
<td>ST 560</td>
<td>Statistical Methods</td>
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**Track I: Statistics**

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<tbody>
<tr>
<td>ST 561</td>
<td>Applied Design Expermnts</td>
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**Track II: Analytics**

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<tr>
<td>ST 521</td>
<td>Statistical Data Management</td>
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<tr>
<td>ST 522</td>
<td>Adv Statistical Data Mgt</td>
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<tr>
<td>ST 531</td>
<td>Data Mining I</td>
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</tr>
<tr>
<td>ST 532</td>
<td>Advanced Data Mining</td>
<td>3</td>
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</table>

**Application Requirements**

A Bachelor's degree from an accredited university or college
Transcripts from all colleges attended
A Statement of Purpose outlining your reasons for desiring the degree
An up-to-date resume
Three letters of recommendation
An official and competitive (60th percentile or higher) GRE or GMAT score

Contact us for more information:
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