# Statistics (M.S.) (Combined B.S. Math/M.S.)

## Program Requirements

9 credits will be applied from the Undergraduate program

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Statistics Core</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STAT 534</td>
<td>Statistical Computing</td>
<td>3</td>
</tr>
<tr>
<td>STAT 536</td>
<td>Statistical Theory</td>
<td>3</td>
</tr>
<tr>
<td>STAT 543</td>
<td>Special Topics in Statistical Theory</td>
<td>3</td>
</tr>
<tr>
<td>STAT 537</td>
<td>Design and Analysis of Experiments</td>
<td>3</td>
</tr>
<tr>
<td>STAT 538</td>
<td>Regression Methods</td>
<td>3</td>
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</tbody>
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**Statistics Electives**

Select one of the following: 3

- STAT 640 Biostatistics: Categorical Data Analysis
- STAT 646 Multivariate Analysis
- STAT 648 Advanced Statistical Methods

Select 9 credits from the following: 9

- STAT 545 Practicum in Statistics I
- STAT 546 Non-Parametric Statistics
- STAT 549 Sampling Techniques
- STAT 552 Intermediate Statistics Methods
- STAT 561 Statistical Data Mining I
- STAT 562 Statistical Data Mining II
- STAT 570 Statistical Consulting
- STAT 583 Fundamentals of Data Analysis
- STAT 595 Special Topics in Statistics
- STAT 597 Research Methods in Statistical Science

**Computer Science, Math and/or Statistics Electives**

- STAT 552 Intermediate Statistics Methods 3
- STAT 597 Research Methods in Statistical Science 3

## Culminating Experience

Select one of the following options:

**Thesis Option**

- STAT 698 Master’s Thesis 1

**Comprehensive Examination**

In the term that you will sit for exam, register for the section which matches your major & advisor. Successfully pass exam.

- GRAD CMP Comprehensive Examination

| Total Credits | 33 |

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1. Complete as a Statistical or Other Elective. Submit thesis hard copy to Graduate Adm and Support Services.