Mathematics M.S./Statistics M.S.

Dual Master Degrees

The graduate plan in Mathematics and Statistics leads to a Master of Science (M.S.) degree in Mathematics and a Master of Science (M.S.) degree in Statistics. This plan emphasizes a curriculum that is designed to educate students in both Mathematics and Statistics. The plan is suitable for students with degrees in engineering, science or other fields with an undergraduate background in mathematics.

Degree Requirements

Math/Stat Core Requirements (33 hours)

<table>
<thead>
<tr>
<th>Math/Stat Core Requirements (33 hours)</th>
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<tbody>
<tr>
<td>The following courses or their approved substitutes are required:</td>
</tr>
<tr>
<td>MATH 5131</td>
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<tr>
<td>MATH 5132</td>
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<tr>
<td>MATH 5136</td>
</tr>
<tr>
<td>MATH 5231</td>
</tr>
<tr>
<td>STAT 5431</td>
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<tr>
<td>STAT 5432</td>
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<tr>
<td>STAT 5531</td>
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<tr>
<td>STAT 5532</td>
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<td>STAT 5533</td>
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</table>

Students will select two courses from the following six courses:

MATH 5133 | Complex Analysis

Math/Stat Thesis Option (27 hours)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>15 hours of MATH/STAT courses 5000–6000 level 6 hours of MATH/STAT electives 4000–6000 level Select one of the following:</td>
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<tr>
<td>MATH 6939</td>
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<tr>
<td>STAT 6939</td>
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</table>

Additional Information

Math/Stat Extended Course Work Option (27 hours)

Students desiring to follow the extended course work option must complete Research Project I and II (MATH 6837/MATH 6838 or STAT 6837/STAT 6838) during the last 18 hours of course work.

<table>
<thead>
<tr>
<th>Math/Stat Extended Course Work Option (27 hours)</th>
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<td>15 hours of MATH/STAT courses 5000–6000 level 6 hours of MATH/STAT electives 4000–6000 level</td>
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</table>

One of the following groups:

**Group 1:**

MATH 6837 | Research Project I
MATH 6838 | Research Project II

**Group 2:**

STAT 6837 | Statistics Research and Consulting I Credit Hours: 3
STAT 6838 | Statistics Research and Consulting II Credit Hours: 3
Additional Information

At least six of these nine credit hours have to be in the field in which the thesis or research project is done.