STATISTICS MINOR

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The minor in Statistics provides students with a background in the theory and application of statistical methodology. It is intended to complement undergraduate degree programs in the Volgenau School and the College of Science, especially those programs that require MATH 113 Analytic Geometry and Calculus I (Mason Core), MATH 114 Analytic Geometry and Calculus II, and STAT 344 Probability and Statistics for Engineers and Scientists I as a part of the major requirements.

Admissions & Policies

Admissions
To be admitted to the minor, students must have completed MATH 113 Analytic Geometry and Calculus I (Mason Core) and MATH 114 Analytic Geometry and Calculus II with a grade of C or better.

Policies
The minor in Statistics requires 15 credit hours of coursework. Grades of C or better are required in all courses. At least 8 credits must be in courses not required by the student’s major. For policies governing all minors, see AP.5.3.4 Minors.

Requirements

Minor Requirements
Total credits: 15

Core Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>STAT 344</td>
<td>Probability and Statistics for Engineers and Scientists I $^{1,2}$</td>
<td>3</td>
</tr>
<tr>
<td>STAT 354</td>
<td>Probability and Statistics for Engineers and Scientists II $^{2}$</td>
<td>3</td>
</tr>
<tr>
<td>STAT 362</td>
<td>Introduction to Computer Statistical Packages</td>
<td>3</td>
</tr>
<tr>
<td>STAT 456</td>
<td>Applied Regression Analysis</td>
<td>3</td>
</tr>
<tr>
<td>Total Credits</td>
<td></td>
<td>12</td>
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</tbody>
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1. STAT 346 Probability for Engineers and a course in statistics, such as STAT 250 Introductory Statistics I (Mason Core), can be substituted for the STAT 344 Probability and Statistics for Engineers and Scientists I core requirement.

2. Students enrolled in the Mathematics, BS may substitute MATH 351 Probability and MATH 352 Statistics for STAT 344 Probability and Statistics for Engineers and Scientists I and STAT 354 Probability and Statistics for Engineers and Scientists II.