Interdisciplinary Concentration

This concentration requires a minor or second major in statistics, economics, physics, finance, any SEAS department, or another approved discipline in which mathematics is heavily used. Planned minor/second major: ________

<table>
<thead>
<tr>
<th>Required Basic and Intermediate Courses</th>
<th>course</th>
<th>prerequisites</th>
<th>offered</th>
<th>Fall</th>
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<td></td>
<td>1231 Calculus I (or 1221)</td>
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<td>1232 Calculus II</td>
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<td>Computer Programming Course (CSCI) †</td>
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<td>2971 Intro. to Mathematical Reasoning</td>
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For BA: 2184 Linear Algebra I or ‡ 2185 Linear Algebra I for Majors

For BS: 2184 Linear Algebra I for Majors or ‡ (2184 Linear Algebra I along with 3125 Linear Algebra II [credit as an elective too])

<table>
<thead>
<tr>
<th>Required Advanced Courses</th>
<th>course</th>
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<tr>
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<td>3342 Ordinary Differential Equations</td>
<td>2184/85 &amp; 2233</td>
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<td>3359 Mathematical Modeling</td>
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<td>3553 Numerical Analysis</td>
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<tr>
<th>Electives (four for BA, six for BS*)</th>
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<td>3125 Linear Algebra II</td>
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* For students who complete the BS requirements for a major in astronomy and astrophysics, biology, biophysics, chemistry, economics, physics, statistics, finance, or any major in SEAS, this requirement is reduced to four electives.