Bachelor of Science (B.S.) Major in Applied Mathematics

Minimum required: 120 semester hours

Course Requirements

<table>
<thead>
<tr>
<th>Freshman</th>
<th>First Semester Hours</th>
<th>Second Semester Hours</th>
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<tbody>
<tr>
<td>US 1100</td>
<td>1</td>
<td>MATH 2472</td>
</tr>
<tr>
<td>ENG 1310</td>
<td>3</td>
<td>ENG 1320</td>
</tr>
<tr>
<td>POSI 2310</td>
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<td>HIST 1310</td>
</tr>
<tr>
<td>COMM 1310</td>
<td>3 Life and Physical Sciences Component²</td>
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<tr>
<td>MATH 2471¹</td>
<td>4</td>
<td>PHIL 1305 or 1320</td>
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<tr>
<td>Social and Behavioral Sciences Component²</td>
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Sophomore

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<tr>
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<tbody>
<tr>
<td>MATH 3373</td>
<td>3 MATH 3305</td>
</tr>
<tr>
<td>Minor²</td>
<td>3 Minor²</td>
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<tr>
<td>Life and Physical Sciences Component²</td>
<td>4 CS 1428</td>
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<tr>
<td>MATH 2358</td>
<td>3 English Literature²</td>
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Junior

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<th>First Semester Hours</th>
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<tr>
<td>Select one of the following:</td>
<td>3 MATH 3377</td>
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<tr>
<td>ART 2313</td>
<td>MATH Advanced Elective</td>
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<tr>
<td>DAN 2313</td>
<td>Minor³⁴</td>
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<tr>
<td>MU 2313</td>
<td>POSI 2320</td>
</tr>
<tr>
<td>TH 2313</td>
<td>Electives¹³⁴⁵</td>
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<tr>
<td>MATH 3330</td>
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<tr>
<td>CS 2308</td>
<td>3</td>
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<tr>
<td>Minor³⁴</td>
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<tr>
<td>HIST 1320</td>
<td>3</td>
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Senior

<table>
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<th>First Semester Hours</th>
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<tr>
<td>MATH 3380</td>
<td>3 MATH Advanced Electives</td>
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<tr>
<td>Minor³⁴</td>
<td>3 Minor³⁴</td>
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<td>Electives¹³⁴⁵</td>
<td>6 Electives¹³⁴⁵</td>
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Total Hours: 120

¹ Even though MATH 2471 is the first required mathematics course, some students will need to take courses numbered below 2471. Credit examinations in MATH 1315, MATH 2417, and MATH 2471 are available.

² See the Academic Services section of this catalog for general education core curriculum requirements. PHYS 1430 is highly recommended as one of the life and physical science courses since it is a prerequisite for MATH 3375 in the advanced MATH electives.

³ See the list of minors under the Degrees and Programs section of this catalog. Minor and electives should be chosen in consultation with the academic advisor.

⁴ A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.

⁵ If two years of the same foreign language were taken in high school, then no additional language hours required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.