Degree

Bachelor of Science in Mathematical Sciences: Mathematics

Course Catalog

Admission Requirements

- Completion of Associate in Arts (AA) degree
- Cumulative Transfer GPA: 2.0
- All prerequisites completed with a grade of C or better

Special Notes

- STEM majors must enroll in math and science courses every term at BC in order to make satisfactory progress towards degree requirements.

### PREREQUISITES

<table>
<thead>
<tr>
<th>BC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>MAC 2311 Calculus &amp; Analytical Geometry I</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312 Calculus &amp; Analytical Geometry II</td>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313 Calculus &amp; Analytical Geometry III</td>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>MAP 2302</td>
</tr>
<tr>
<td>COP 2800C Java Programming 1</td>
<td>COP 2210</td>
</tr>
</tbody>
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Complete one of the following courses with lab:

* BSC 2010 + BSC 2010L Introduction to Biology I + Lab  
  OR
* BSC 2011 + BSC 2011L Introduction to Biology II + Lab  
  OR
* CHM 1045 + CHM 1045L General Chemistry I + Lab  
  OR
* CHM 1046 + CHM 1046L General Chemistry II + Lab  
  OR
* PHY 2048 + PHY 2048L General Physics w/ Calculus I + Lab  
  OR
* PHY 2049 + PHY 2049L General Physics w/ Calculus II + Lab

*Required for Biology track

**Required for Chemistry track. Physics track only requires Physics sequence.

### ADDITIONAL COURSES - BUSINESS AND ECONOMICS TRACKS ONLY

<table>
<thead>
<tr>
<th>ECO 2013 Principles of Macroeconomics</th>
<th>ECO 2013</th>
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<tbody>
<tr>
<td>ECO 2023 Principles of Microeconomics</td>
<td>ECO 2023</td>
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