Mathematical Sciences: Mathematics
2022-2023 Miami Dade College Transfer Guide

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 MDC in order to make satisfactory progress towards degree requirements.

PREREQUISITES

<table>
<thead>
<tr>
<th>MDC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>MAC 2311 Calculus &amp; Analytical Geometry 1</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312 Calculus &amp; Analytical Geometry 2</td>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313 Calculus &amp; Analytical Geometry 3</td>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302 Introduction to Differential Equations</td>
<td>MAP 2302</td>
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<tr>
<td>COP 2800 Java Programming</td>
<td>COP 2210</td>
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Complete one of the following courses with lab:

- *BSC 2010 + BSC 2010L Principles of Biology 1 + Lab
- BSC 2010 + Lab

- *BSC 2011 + BSC 2011L Principles of Biology 2 + Lab
- BSC 2011 + Lab

- **CHM 1045 + CHM 1045L General Chemistry & Qual. Analysis + Lab
- CHM 1045 + Lab

- **CHM 1046 + CHM 1046L General Chemistry & Qual. Analysis + Lab
- CHM 1046 + Lab

- **PHY 2048 + PHY 2048L Physics w/ Calculus 1 + Lab
- PHY 2048 + Lab

- **PHY 2049 + PHY 2049L Physics w/ Calculus 2 + Lab
- PHY 2049 + Lab

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

ADDITIONAL COURSES - BUSINESS AND ECONOMICS TRACKS ONLY

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<thead>
<tr>
<th>Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>ECO 2013 Principles of Economics (Macro)</td>
<td>ECO 2013</td>
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<tr>
<td>ECO 2023 Principles of Economics (Micro)</td>
<td>ECO 2023</td>
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