### Mathematics
#### 2019-2020 Miami Dade College Transfer Guide

**Degree**
- Bachelor of Science in Mathematics

**Course Catalog**
- [https://mathstat.fiu.edu/academics/advising/index.html](https://mathstat.fiu.edu/academics/advising/index.html)

**Advising Information**
- [https://mathstat.fiu.edu/academics/advising/index.html](https://mathstat.fiu.edu/academics/advising/index.html)

**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>
</tr>
</thead>
<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>MAS 3105 Linear Algebra</td>
<td>MAS 3105</td>
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<tr>
<td>COP 2800 Java Programming</td>
<td>COP 2210</td>
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<tr>
<td>OR</td>
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<tr>
<td>CGS 2423 &quot;C&quot; for Engineers</td>
<td>COP 2270</td>
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**Complete any two of the following courses with labs:**

<table>
<thead>
<tr>
<th>MDC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>BSC 2010 + BSC 2010L Principles of Biology 1 + Lab</td>
<td>BSC 2010 + Lab</td>
</tr>
<tr>
<td>BSC 2011 + BSC 2011L Principles of Biology 2 + Lab</td>
<td>BSC 2011 + Lab</td>
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<tr>
<td>CHM 1045 + CHM 1045L General Chemistry &amp; Qual. Analysis + Lab</td>
<td>CHM 1045 + Lab</td>
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<tr>
<td>CHM 1046 + CHM 1046L General Chemistry &amp; Qual. Analysis + Lab</td>
<td>CHM 1046 + Lab</td>
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<tr>
<td>PHY 2048 + PHY 2048L Physics w/ Calculus 1 + Lab</td>
<td>PHY 2048 + Lab</td>
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<tr>
<td>PHY 2049 + PHY 2049L Physics w/ Calculus 2 + Lab</td>
<td>PHY 2049 + Lab</td>
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