Degree

**Bachelor of Science in Mathematical Sciences: Mathematical Data Science Major**

Course Catalog

Majors: Mathematics, Mathematical Data Science, Statistics.

**Admission Requirements**

- Completion of Associate in Arts (AA) degree
- Completion of all prerequisites with grade of C or higher
- Cumulative Transfer GPA: 2.0 or higher

**Special Notes**

- We strongly encourage students to complete math and science courses **every term** to make satisfactory progress toward completing all prerequisites and AA degree prior to transfer.
- The additional lower (and upper) division courses below are required for this program. We encourage students to take these courses (as electives) prior to completing the AA.

### PREREQUISITES

<table>
<thead>
<tr>
<th>PBSC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>MAC 2311 Calculus with Analytic Geometry 1</td>
<td>MAC 2311</td>
</tr>
<tr>
<td>MAC 2312 Calculus with Analytic Geometry 2</td>
<td>MAC 2312</td>
</tr>
<tr>
<td>MAC 2313 Calculus with Analytic Geometry 3</td>
<td>MAC 2313</td>
</tr>
<tr>
<td>MAP 2302 Differential Equations</td>
<td>MAP 2302</td>
</tr>
<tr>
<td>COP 2800 Programming in Java</td>
<td>COP 2210</td>
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*Complete one of the following science courses with lab. See Special Notes above.*

<table>
<thead>
<tr>
<th>PBSC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>BSC 1010 + BSC 1010L Principles of Biology 1 + Lab</td>
<td>BSC 2010 + Lab</td>
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<td>OR</td>
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<tr>
<td>BSC 1011 + BSC 1011L Principles of Biology 2 + Lab</td>
<td>BSC 2011 + Lab</td>
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<td>OR</td>
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<tr>
<td>CHM 1045 + CHM 1045L General Chemistry 1 + Lab</td>
<td>CHM 1045 + Lab</td>
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<tr>
<td>CHM 1046 + CHM 1046L General Chemistry 2 + Lab</td>
<td>CHM 1046 + Lab</td>
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<td>OR</td>
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<tr>
<td>PHY 2048 + PHY 2048L General Physics with Calculus 1 + Lab</td>
<td>PHY 2048 + Lab</td>
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<tr>
<td>PHY 2049 + PHY 2049L General Physics with Calculus 2 + Lab</td>
<td>PHY 2049 + Lab</td>
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### ADDITIONAL LOWER DIVISION COURSES

<table>
<thead>
<tr>
<th>PBSC Course</th>
<th>FIU Course</th>
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<tbody>
<tr>
<td>MAD 2104 Special Topics in Mathematics: Discrete Math</td>
<td>MAD 2104</td>
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