BS in Mathematics

This document is designed as a guide for students planning their course selection and is only a suggested schedule. Actual course selections should be made with the advice and consent of the academic advisor. While accurately portraying the information contained in the College Catalog, this form is not considered a legal substitute for that document. Students should become familiar with the Catalog in effect at the time in which they enter Milligan.

### FALL SEMESTER 1

<table>
<thead>
<tr>
<th>COURSE</th>
<th>TITLE</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIBL 123</td>
<td>Old Testament Survey</td>
<td>3</td>
</tr>
<tr>
<td>HUMAN 101</td>
<td>Ancient &amp; Medieval Cultures</td>
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<tr>
<td>MLGN 100</td>
<td>Intro to College &amp; Service</td>
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<tr>
<td>MATH 211</td>
<td>Calculus I(^1)</td>
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<tr>
<td>CS 201</td>
<td>Hardware Fundamentals (^2)</td>
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**TOTAL CREDITS** 14.5

### SPRING SEMESTER 1

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<tr>
<td>BIBL 124</td>
<td>New Testament Survey</td>
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<tr>
<td>HUMAN 102</td>
<td>Renaissance &amp; Early Modern Cult.</td>
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<td>COMP 111</td>
<td>Rhetorical Composition</td>
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<td>MATH 212</td>
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**TOTAL CREDITS** 14

### FALL SEMESTER 2

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<tr>
<td>HUMAN 201</td>
<td>18th &amp; 19th Century Cult.</td>
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<tr>
<td>MATH 303</td>
<td>Multivariable Calculus</td>
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<td>MATH 307</td>
<td>Linear Algebra</td>
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<td>COMP 211</td>
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<td>COMM 102</td>
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**TOTAL CREDITS** 17

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<td>MATH</td>
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**TOTAL CREDITS** 16.5

### FALL SEMESTER 3

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<td>HPXS 101</td>
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**TOTAL CREDITS** 17

### FALL SEMESTER 4

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<td>BIBL 471</td>
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<td>MATH 495</td>
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<td>MATH</td>
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**TOTAL CREDITS** 18

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<tr>
<td>MATH</td>
<td>General Electives</td>
<td>12</td>
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**TOTAL CREDITS** 15

**MINIMUM 128 NEEDED FOR GRAD** 128

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\(^1\) Highly Recommended

\(^2\) Students may choose COMM 103 Public Speaking (2 hr) if they have checked with their adviser to see if this fits with their post-bacc plans

\(^3\) Students may choose GNIS 101 Science in Your World (2 hr) in place of a 2nd lab science course

\(^4\) It is vital that freshman math majors take Calculus. If they do not take Calculus, they will not graduate on time without summer courses

Depending upon a student’s post-bacc plans, other courses may be required for admission to graduate programs, so CONSULT with your adviser.

**Preferred MATH Electives are [consult math professors for guidance]:**

**FALL Courses:**
- MATH 304 Modern Geometry
- MATH 314 Probability & Statistics I
- MATH 408 Numerical Analysis
- MATH 411 Intro to Real Analysis

**SPRING Courses:**
- MATH 302 Discrete Mathematics
- MATH 308 Modern Algebra
- MATH 309 Differential Equations
- MATH 351 Math Modeling
- MATH 412 Intro to Complex Analysis