## Plymouth State University CURRICULUM PLANNING GUIDE with APPLICATION of TRANSFER CREDIT

**BS MATHEMATICS 2016-2017**

**Student:**
**Student ID:**
**Enrollment Date:**
**Total semester hours required:** 120
**Total semester hours transferred:**

<table>
<thead>
<tr>
<th>Plymouth Requirements</th>
<th>Credits</th>
<th>Gen Ed</th>
<th>Transfer Course (Title)</th>
<th>Credits</th>
<th>To Be Taken</th>
</tr>
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<tbody>
<tr>
<td>MA 2400 Introduction to Formal Mathematics</td>
<td>3</td>
<td>MATH</td>
<td></td>
<td></td>
<td>Falls</td>
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<tr>
<td>MA 2550 Calculus I</td>
<td>4</td>
<td>QRCO</td>
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<tr>
<td>MA 2560 Calculus II</td>
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<td>QRCO</td>
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<tr>
<td>MA 2700 Logic, Proofs, and Axiomatic Systems</td>
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<td>WRCO</td>
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<td></td>
<td>Springs</td>
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<tr>
<td>MA 3120 Linear Algebra</td>
<td>3</td>
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<td></td>
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<tr>
<td>MA 3200 Discrete Mathematics</td>
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<tr>
<td>MA 3500 Probability and Statistics for Scientists</td>
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<tr>
<td>MA 3510 Differential Equations</td>
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<tr>
<td>MA 4140 Abstract Algebra</td>
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<td>Even Springs</td>
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<tr>
<td>MA 4430 Numerical Analysis</td>
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<td>TECO</td>
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<td></td>
<td>Odd Falls</td>
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<tr>
<td>MA 4510 Introduction to Analysis</td>
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<td></td>
<td>Even Falls</td>
</tr>
</tbody>
</table>

**Mathematics Electives** - 12

- MA 3130 Directed Research in Mathematics
- MA 3230 College Geometries
- MA 3280 Regression Analysis
- MA 3460 History of Mathematics
- MA 4220 Topics in Mathematics
- MA 4350 Probability Theory

Complete 12 credits from the following:

- TECO, WRCO
- GACO, WRCO
- Odd Falls
- Even Springs

**Computer Science Elective** - 2-4

- CS 2370 Introduction to Programming
- CS 2400 Scientific Programming
- CS 2470 Systems Programming in C/C++
- EN 1200 Composition
- IS 1111 The First Year Seminar

Complete one of the following:

- Transfers entering with 24+ credits are excused from IS 1111.

**Directed Thought Directions**

- CTDI Creative Thought Direction
- PPDI Past and Present Direction
- SIDI Scientific Inquiry Direction
- SSDI Self and Society Direction
- DICO Diversity Connection
- GACO Global Awareness Connection
- INCO Integration Connection
- WECO Wellness Connection

**Electives** 25-21

Students must receive a grade of C or better in all mathematics courses required in their degree program. A grade of C or better must be earned in any MA prerequisite course before enrolling in the post-requisite course.