I. Required Mathematics Courses (16 credits)

A. Calculus:

<table>
<thead>
<tr>
<th>PATH 1:</th>
<th>OR</th>
<th>PATH 2:</th>
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<tbody>
<tr>
<td>MATH 1205 Calculus</td>
<td>3 ( )</td>
<td>MATH 1225 Calculus of a Single Variable  I</td>
</tr>
<tr>
<td>MATH 1206 Calculus</td>
<td>3 ( )</td>
<td>MATH 1226 Calculus of a Single Variable II</td>
</tr>
<tr>
<td>MATH 1224 Vector Geometry</td>
<td>2 ( )</td>
<td>MATH 2204 Intro to Multivariable Calculus</td>
</tr>
<tr>
<td>MATH 2224 Multivariable Calculus</td>
<td>3 ( )</td>
<td></td>
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B. Linear Algebra, ODE's:

| MATH 1114 Elementary Linear Algebra | 2 ( ) |
| MATH 2214 Intro. to Differential Equations | 3 ( ) |

II. Math Electives (9 hours).

Any 9 hours of MATH courses numbered 3000 or higher with the following exceptions.

- MATH 2534 Intro to Discrete Mathematics (3) may be used.
- The following may not be used:
  - MATH 3054 Programming For Mathematical Problem Solving (3)
  - MATH 4044 History Of Mathematics (3)
  - MATH 4625, 4626 Mathematics For Secondary Teachers (3)
  - MATH 4644 Secondary School Mathematics With Technology (3)
  - MATH 4654 Capstone Thesis And Seminar (3)
  - MATH 4664 Senior Math Education Seminar (3)
  - MATH 4974 Independent Study (3)
  - MATH 4994 Undergraduate Research (3).
- MATH 4984 Special Study may be used only if permission is granted by the associate head for undergraduate students.
- CMDA 3605, 3606 Mathematical Modeling; Methods and Tools and CMDA 4604 Intermediate Topics in Mathematical Modeling may be used.

______ 3 ( ) _______ 3 ( ) _______ 3 ( )

Note: Enrollment opportunities in some of these courses may be limited for non-majors.

III. Total Hours. 25 semester credits required.

IV. Minimum GPA. The courses used to satisfy the minor requirements must be completed with a combined GPA of 2.0 or higher.

Note: Course duplications or non-mathematics substitutions are not acceptable in lieu of the specific courses indicated above.