MATHEMATICS MINOR

A minor in Mathematics will be beneficial for developing strong critical thinking skills and understanding abstract concepts. Study in Mathematics supports careers in business, science, agriculture, and engineering. The mathematics minor may be a complement one’s primary major.

**Regulations Governing Minor Course Work**

a. There shall be a minimum of 18.0 credit hours with a minimum Millersville QPA of 2.0.

b. Only one course which counts toward your major may be counted toward your minor.

c. Courses that count toward a minor are also eligible to be used to satisfy the current University-wide General Education requirements subject to normal distribution requirements.

d. At least two courses should be at the upper-division level (300-400). Exceptions may be requested upon evidence of program depth.

e. No course needed for the minor may be taken Pass-Fail.

f. One-half or more of the work required for the minor must be completed at Millersville University.

g. No student may minor in his or her major.

**Minor in Mathematics**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 161</td>
<td>Calculus 1</td>
<td>4-5</td>
</tr>
<tr>
<td>MATH 163H</td>
<td>Honors Calculus 1</td>
<td></td>
</tr>
<tr>
<td>MATH 211</td>
<td>Calculus 2</td>
<td>4</td>
</tr>
<tr>
<td>MATH 311</td>
<td>Calculus 3</td>
<td>4</td>
</tr>
<tr>
<td>MATH 322</td>
<td>Linear Algebra 1</td>
<td>4</td>
</tr>
</tbody>
</table>

**Mathematics Electives - Choose 2 classes from:**

- Any 3-level MATH course(s)
- Any 4-level MATH course(s)
- MATH 503 Probability and Stats for Tchr
- MATH 535 Statistical Methods 1
- MATH 566 Complex Variables
- MATH 592 Graph Theory

Note: This requirement may not be satisfied with MATH 301, MATH 304, MATH 405, or MATH 418.

**Total Hours** 16-17