ENGINEERING MATHEMATICS, MINOR

An engineering mathematics minor from Saint Louis University is highly customizable and fits well with most engineering degrees.

Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1520</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Calculus III</td>
<td>4</td>
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**Elective Courses**

Select four of the following: 12

- MATH 3110  Linear Algebra for Engineers
- or MATH 3120  Introduction to Linear Algebra
- MATH 3240  Numerical Analysis
- MATH 3270  Advanced Mathematics for Engineers
- MATH 3550  Differential Equations
- MATH 3600  Combinatorics
- MATH 3800  Elementary Theory of Probability
- or STAT 3850  Foundation of Statistics
- MATH 4310  Introduction to Complex Variables
- MATH 4320  Complex Variables II
- MATH 4550  Nonlinear Dynamics and Chaos
- MATH 4570  Partial Differential Equations
- MATH 4800  Probability Theory
- STAT 4840  Time Series
- STAT 4870  Applied Regression

**Total Credits** 24

1 Credit cannot be earned for both MATH 3110 Linear Algebra for Engineers (3 cr) and MATH 3120 Introduction to Linear Algebra (3 cr).

2 Credit cannot be earned for only MATH 3800 Elementary Theory of Probability (3 cr) or STAT 3850 Foundation of Statistics (3 cr).

**Continuation Standards**

Students must have a minimum of a 2.00 cumulative GPA in their mathematics minor courses by the conclusion of their sophomore year, must maintain a minimum of 2.00 cumulative GPA in these courses at the conclusion of each semester thereafter, and must be registered in at least one course counting toward their major or minor in each academic year (until all requirements are completed).