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>
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</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>
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<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).