

# ENGINEERING MATHEMATICS, MINOR

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

## Requirements

Code	Title	Credits
<b>Required Courses</b>		
MATH 1510	Calculus I	4
MATH 1520	Calculus II	4
MATH 2530	Calculus III	4
<b>Elective Courses</b>		
Select four of the following:		12
MATH 3110	Linear Algebra for Engineers <sup>1</sup>	3
or MATH 3120	Introduction to Linear Algebra	
MATH 3240	Numerical Analysis	3
MATH 3270	Advanced Mathematics for Engineers	3
MATH 3550	Differential Equations	3
MATH 3600	Combinatorics	3
MATH 3800	Elementary Theory of Probability <sup>2</sup>	3
or STAT 3850	Foundation of Statistics	
MATH 4310	Introduction to Complex Variables	3
MATH 4320	Complex Variables II	3
MATH 4550	Nonlinear Dynamics and Chaos	3
MATH 4570	Partial Differential Equations	3
MATH 4800	Probability Theory	3
STAT 4840	Time Series	3
STAT 4870	Applied Regression	3
<b>Total Credits</b>		<b>24</b>

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

<sup>2</sup> 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).