

ENGINEERING MATHEMATICS, MINOR

Requirements

Code	Title	Credits
Required Courses		
MATH 1510	Calculus I	4
MATH 1520	Calculus II	4
MATH 2530	Calculus III ¹	4
Elective Courses		
Select four of the following:		12
MATH 3110	Linear Algebra for Engineers ²	
MATH 3120	Introduction to Linear Algebra ²	
MATH 3240	Numerical Analysis	
MATH 3270	Advanced Mathematics for Engineers	
MATH 3550	Differential Equations	
MATH 3600	Combinatorics	
MATH 3800	Elementary Theory of Probability ³	
MATH 3810	Probability and Statistics for Engineers ³	
MATH 3850	Foundation of Statistics ³	
MATH 4310	Introduction to Complex Variables	
MATH 4320	Complex Variables II	
MATH 4360	Geometric Topology	
MATH 4550	Nonlinear Dynamics and Chaos	
MATH 4570	Partial Differential Equations	
MATH 4650	Cryptography	
MATH 4800	Probability Theory	
MATH 4840	Time Series	
MATH 4870	Applied Regression	
Total Credits		24

¹ MATH 2530 Calculus III (4 cr) Must be taken at Saint Louis University with minimum grade of "C-"

² Credit cannot be earned for both MATH 3110 Linear Algebra for Engineers (3 cr) and MATH 3120 Introduction to Linear Algebra (3 cr).

³ Credit can be earned for only one of MATH 3800 Elementary Theory of Probability (3 cr), MATH 3810 Probability and Statistics for Engineers (3 cr), or MATH 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 mathematics course counting toward their major or minor in each academic year (until all requirements are completed).