ENGINEERING MATHEMATICS, MINOR

Requirements

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

Select four of the following: 12

- MATH 3110 Linear Algebra for Engineers
- 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
- MATH 3810 Probability and Statistics for Engineers
- MATH 3850 Foundation of Statistics
- 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).