

# Mathematics Minors

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- Actuarial Science Minor
- Mathematics Minor: Students must complete requirements in one of the following areas of emphasis:
  - Mathematics Emphasis
  - Applied Mathematics Emphasis
  - Statistics Emphasis

## Actuarial Science Minor

Code	Title	Credits
<b>Supporting Courses:</b>		<b>26</b>
ACCTG 201	Principles of Financial Accounting	
ECON 202	Macro Economic Analysis	
ECON 203	Micro Economic Analysis	
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
MATH 209	Multivariate Calculus	
MATH 260	Introductory Statistics	
<b>Upper-Level Courses:</b>		<b>9</b>
FIN 343	Corporation Finance	
MATH 360	Theory of Probability	
MATH 361	Mathematical Statistics	
<b>Total Credits</b>		<b>35</b>

## Mathematics

Code	Title	Credits
<b>Supporting Courses</b>		<b>16</b>
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
MATH 209	Multivariate Calculus	
MATH 260	Introductory Statistics	
<b>Upper-Level Courses</b>		<b>10-11</b>
MATH 314	Proofs in Number Theory and Topology	
MATH 320	Linear Algebra and Matrix Theory	
<b>Elective Courses (choose at least 1 course of the following):</b>		
MATH 323	Analysis	
MATH 328	Abstract Algebra	
MATH 385	Foundations of Geometry	
MATH 410	Complex Analysis	
MATH 492	Special Topics in Mathematics	
<b>Total Credits</b>		<b>26-27</b>

### Applied Mathematics

Code	Title	Credits
<b>Supporting Courses</b>		<b>16</b>
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
MATH 209	Multivariate Calculus	
MATH 260	Introductory Statistics	
<b>Upper-Level Courses</b>		<b>11</b>
MATH 305	Ordinary Differential Equations	

MATH 320	Linear Algebra and Matrix Theory
<b>Elective Courses (choose at least 1 of the following):</b>	
MATH 355	Applied Mathematical Optimization
MATH 410	Complex Analysis
MATH 425	Dynamical Systems
MATH 492	Special Topics in Mathematics

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**Total Credits** **27**

## Statistics

Code	Title	Credits
<b>Supporting Courses</b>		<b>16</b>
MATH 202	Calculus and Analytic Geometry I	
MATH 203	Calculus and Analytic Geometry II	
MATH 209	Multivariate Calculus	
MATH 260	Introductory Statistics	
<b>Upper-Level Courses</b>		<b>10-12</b>
MATH 320	Linear Algebra and Matrix Theory	
<b>Elective Courses (choose at least 2 courses from the following):</b>		
MATH 329	Applied Regression Analysis	
MATH 360	Theory of Probability	
MATH 361	Mathematical Statistics	
MATH 430	Design of Experiments	
MATH 431	Multivariate Statistical Analysis	

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**Total Credits** **26-28**