

# Mathematics Minors

---

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

## Actuarial Science Minor

Code	Title	Credits
<b>Supporting Courses</b>		<b>25</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>12</b>
FIN 343	Corporation Finance	
MATH 306	Statistical Programming	
MATH 360	Theory of Probability	
MATH 361	Mathematical Statistics	
<b>Total Credits</b>		<b>37</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 406	Partial Differential Equations
MATH 410	Complex Analysis
MATH 492	Special Topics in Mathematics
<b>Total Credits</b>	
<b>27</b>	

## 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>13-15</b>
MATH 306	Statistical Programming	
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	
<b>Total Credits</b>		<b>29-31</b>