## Department of Mathematics & Statistics
### Minor in Mathematical Sciences

Our Minor in Mathematical Sciences enables students to develop a degree of expertise and knowledge in mathematics in addition to their major academic program of study.

**The minor in mathematical sciences requires seven courses.**

**Complete all of the following courses:**

| Course Prefix | Course Title | Credits Hours |
|---|---|---|
| MAC 2311 | Calculus I<br>*Prerequisite: MAC 1147 or MAC 1114 and MAC 1140 with a grade of "C" or better or appropriate test score* | 4 |
| MAC 2312 | Calculus II<br>*Prerequisites: Grade of "C" or higher in MAC 2311 or AP Calculus credit.* | 4 |
| MAC 2313 | Calculus III<br>*Prerequisites: MAC 2312 or equivalent with a grade of 'C' or better.* | 4 |
| MAP 2302 | Differential Equations<br>*Prerequisite: MAC 2312 with a grade of 'C' or better* | 3 |
| MAS 3105 | Linear Algebra<br>*Prerequisite: MAC 2312* | 3 |

**Complete 2 of the following courses:**

COP 3337 Intermediate Programming (3)

CDA 3402 Fundamentals of Computer Systems (3)

MAD 2104 Discrete Mathematics (3)

MAD 3401 Numerical Analysis (3)

MAD 3512 Introduction to the Theory of Algorithms (3)

MAT 4934 Senior Seminar (1)

MAP 4401 Advanced Differential Equations (3)

STA 3163-4 Statistical Methods I and II (3-3)

COP 3530 Data Structures (3)

MAA 4402 Complex Variables (3)

MAD 3301 Graph Theory (3)

MAD 4203 Intro to Combinatorics (3)

MAD 5405 Numerical Methods (3)

MAP 3103 Mathematical Modeling (3)

MAS 5145 Applied Linear Algebra (3)

MHF 4302 Mathematical Logic (3)

STA 4603 Mathematical Techniques in Operations Research I (3)

STA 4604 Mathematical Techniques in Operations Research II (3)

STA 5446 Probability Theory I (3)

Grades of "C" or better are required for all courses and labs.

For more information, consult the Undergraduate Catalog.