

## MATHEMATICS

*Professor Jennifer Hoffman, Program Director*

Mathematics courses are offered to help students:

1. Develop an understanding of basic mathematical concepts and their broad practical application;
2. Demonstrate competence in reading and solving problems in mathematics;
3. Demonstrate mastery of the field for use in teaching, industry, or further study;
4. Understand the relationship of the discipline of mathematics to the society of which it is a part.

No major is offered in Mathematics.

### Mathematics Minor

*Professor Jennifer Hoffman, Coordinator*

#### Mathematics Minor Mission Statement

The Mathematics minor strives to promote mathematical knowledge and critical thinking, and provide students the opportunity to mature as mathematical thinkers.

#### Program Description

The Mathematics minor is designed to educate students interested in furthering their mathematical abilities and critical thinking skills. The curriculum focuses on the development of content knowledge in advanced mathematics for STEM-oriented students from any discipline.

#### Mathematics Minor Program Learning Outcomes

The graduate will:

1. Develop an understanding of basic mathematical concepts and their broad practical application;
2. Demonstrate competence in reading and solving problems in mathematics;
3. Demonstrate mastery of the field for use in teaching, industry, or further study; and
4. Understand the relationship of the discipline of mathematics to the society of which it is a part.

#### Requirements of the Minor

The minor in Mathematics requires that the student complete 18 credits:

Math Minor		
<b>Required courses (12 credits):</b>		
MATH 201	Calculus I (Prerequisite of MATH 123 or equivalent)	4 credits
MATH 202	Calculus II	4 credits
MATH 203	Calculus III	4 credits
<b>Choose 2 courses from the following list (6 credits):</b>		
MATH 225	Discrete Mathematics	3 credits
MATH 230	Linear Algebra	3 credits
MATH 241	Probability and Statistics II (Prerequisite of MATH 240 or equivalent)	3 credits
COSC 430	Cryptology	3 credits

Note regarding prerequisites: Prerequisite requirements are based on math placement process. Please work with Mathematics program director to determine.

Equivalent courses to MATH 240 include: BUSI 316 (Quantitative Methods for Business and Economics), BUSI 317 (Business Statistics), NSCI 220 (Statistics for Science & Research), PSYC 315 (Psychological Statistics), and HSCI 312 (Statistics for Evidence Based Practice).