

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:

Required courses (12 credits)

MATH 201 Calculus I* 4 credits

*Prerequisite of MATH 123 or equivalent

MATH 202 Calculus II.....4 credits

MATH 203 Calculus III4 credits

Choose 2 courses from the following list (6 credits)

MATH 225 Discrete Mathematics3 credits

MATH 230 Linear Algebra.....3 credits

MATH 241 Probability and Statistics II**3 credits

*Prerequisite of MATH 240 or equivalent

COSC 430 Cryptology3 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).