

MATHEMATICS MINOR

This minor is particularly valuable to students pursuing major programs in the sciences or business, providing them with opportunities to strengthen their analytical problem solving skills while learning and applying concepts from a variety of areas of mathematics.

Code	Title	Credits	Completed
Minor Requirements (20 credits)			
MATH-141	Introductory Statistics ¹	4	_____
MATH-211	Calculus I	4	_____
MATH-212	Calculus II	4	_____
Select one of the following:		4	_____
MATH-135	Discrete Mathematics for CS		_____
MATH-235	Discrete Math With Proof		_____
MATH elective at the 300 level or above		4	_____
Total Credits		20	_____

**Please note some courses have prerequisites.

¹ This requirement can be fulfilled by completing PSYC-251 Psychological Statistics

Upon completion of the Mathematics Minor, students will gain:

- Technical skill in completing mathematical processes; By technical skill we mean both the ability to correctly apply standard algorithms found in the undergraduate mathematics curriculum as well as the ability to choose an appropriate algorithm.
- Breadth and depth of knowledge of mathematics; By breadth we mean work in both the applied and pure areas of mathematics. By depth we mean the ability to recognize, represent, and connect mathematical ideas in multiple ways; the ability to reason both inductively and deductively; and the ability to meaningfully engage in the process of mathematical problem solving.
- An understanding of the relationship of mathematics to other disciplines.
- An ability to communicate mathematics effectively, both orally and in writing.
- A capability of understanding and interpreting written materials in mathematics.
- An ability to use technology to do mathematics.