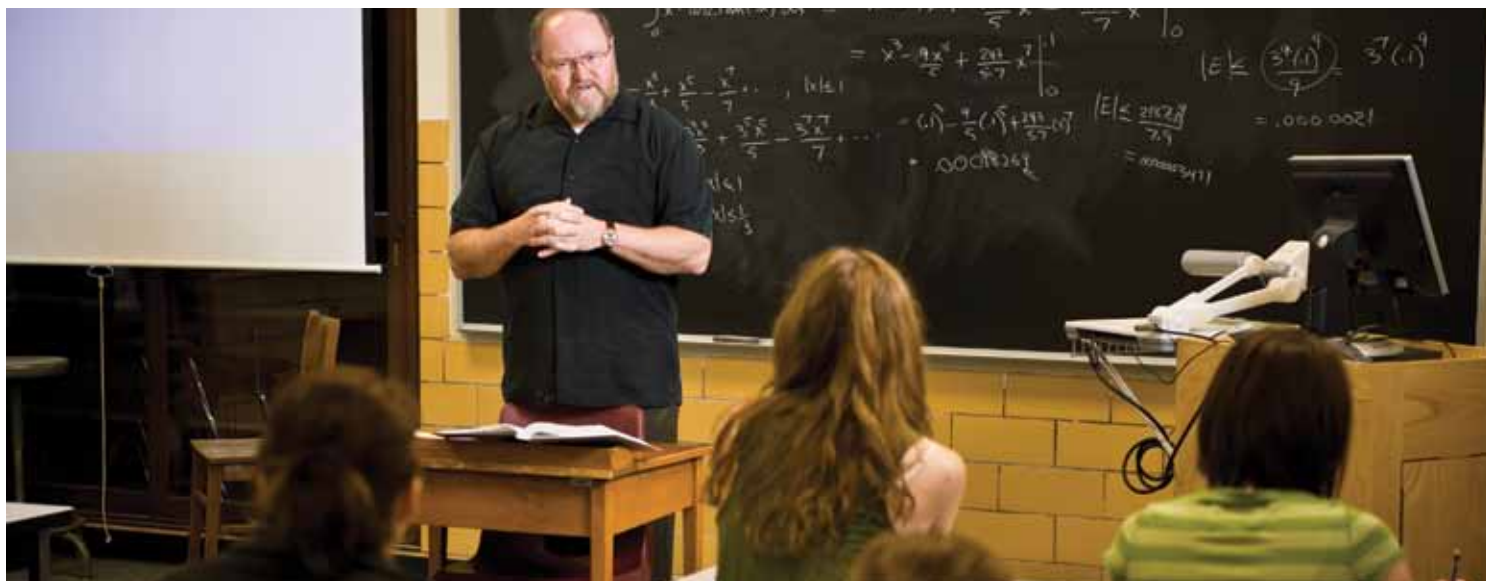


Mathematics

MAJOR @ VITERBO UNIVERSITY



10/10

Overview

Mathematics is an academic discipline that serves both as a set of tools for many related disciplines and as a subject of study in its own right. It is a foundation for quantitative and logical thinking, and for problem-solving skills used by virtually everyone. A person who likes thinking about how things work, who likes to solve knotty problems, and who can appreciate the satisfaction of a well-crafted argument might want to consider a major in mathematics.

Why Viterbo?

The Viterbo University mathematics program features:

- a liberal arts approach to education.
- small class sizes, especially at the upper division level.
- dedicated faculty who help students throughout the program.

Career Options

Many of our majors choose the math education route, and at present about 40 percent of our recent graduates are teaching mathematics in a high school, many in the vicinity of La Crosse. But the list of various other employers is fascinating: Cray Computers, Thrivent Financial Services, Air National Guard, State Teachers' Union, Gundersen Lutheran Medical Center, and Sentry Insurance. A number of our majors have also gone on to graduate school, some in mathematics and some in a more applied field, such as science, statistics, or business. A major in mathematics develops the sort of thinking and problem-solving skills that can lead to a very satisfying career in any one of a surprisingly large number of positions. Employers are looking for people with good skills in thinking and problem solving, and the ability to understand mathematical approaches to problems requiring quantitative analysis.

Features of the Curriculum

- calculus
- statistics
- geometry
- logic and proof
- education track option

For More Information www.viterbo.edu/math

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General education requirements

See the general education section of the catalog.

Math requirements:

- Calculus 1, 2, and 3
- Elements of Statistics
- Introduction to Abstract Math
- Differential Equations
- Probability Theory and Statistics
- Linear and Abstract Algebra
- Real Analysis
- Numerical Analysis and Modeling
- Geometry
- Math Seminar
- Support courses: university physics, philosophy

Mathematics, Early Adolescence through Adolescence, Education Major (Bachelor of Science)

In addition to the mathematics major requirements, those seeking the education certification must complete the courses below. See School of Education requirements for complete teacher education policy and DPI requirements.

Note: Student teaching is completed in the final semester.

Education Requirements:

- Introduction to Education
- Educational Psychology
- Professional Issues
- Inclusion of Students with Special Needs
- Technology Enhanced Instruction
- Methods of Teaching – Math
- Middle/Secondary Methods Content Literacy
- Mid Level Theory and Practice
- Student Teaching Sequence

This is an unofficial course outline. For complete degree requirements, refer to the course catalog.