



# MATHEMATICS

Bachelor of Arts

School of Mathematics, Science & Engineering

## Program Overview

The Bachelor of Arts in Mathematics degree is designed to support those students interested in a general mathematics degree for a variety of careers in business and industry, or for those interested in a secondary teaching certification. For students seeking secondary teaching certification, the strong mathematical foundation will help them prepare for the state teacher exam. The multi-strand course requirements, along with a well organized list of elective courses and a carefully selected minor relevant to career goals, will prepare students to meet the challenges in educational institutions or the business and industrial world. All full-time mathematics and statistics faculty members serve in this program.

## Career Opportunities

K-12 mathematics teachers are in high demand, and this demand is expected to increase. Graduates of the mathematics program can also pursue:

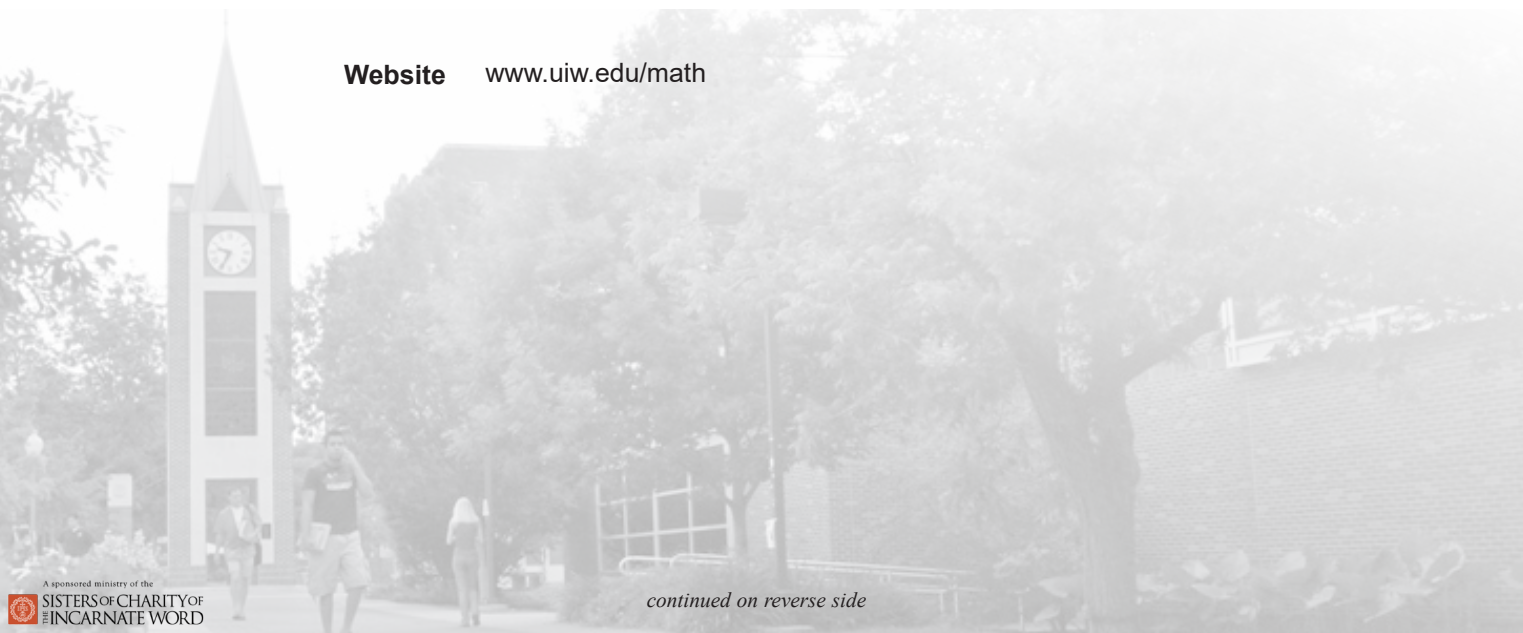
- Work in positions that require strong quantitative and logical skills
- Advanced study at graduate level in mathematics or other related fields
- Actuary work which takes mathematics and statistics and applies them to finance and insurance
- Operations Research, an interdisciplinary branch of mathematics which uses mathematical methods to arrive at optimal decisions to problems in maximizing or minimizing things like costs or profits

## Contact

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## Website

[www.uiw.edu/math](http://www.uiw.edu/math)



**Bachelor of Arts in Mathematics**  
**SCHOOL OF MATH, SCIENCE, AND ENGINEERING**  
**2015-2017**

<b>Freshman Year: Fall</b>		<b>Hrs.</b>
ENGL 1311 Composition I		3
PHIL 1381 Intro to Philosophy		3
MATH 2312 Calculus 1		3
MATH 2322 Linear Algebra		3
Math or general electives		3
<b>Total hours</b>		<b>15</b>
<b>Sophomore Year: Fall</b>		
ENGL 2310 World Literature		3
Fine Arts Core Course		3
MATH 3320 Foundation of Higher Math		3
MATH 3314 Calculus 3 (Math Upper Level Elective)		3
MATH 2340 Programming (Not Math Elective)		3
<b>Total hours</b>		<b>15</b>
<b>Junior Year: Fall</b>		
Social Sciences Core Course		3
Modern Language I		3
Math Upper Level Elective		3
Minor		3
Minor		3
<b>Total hours</b>		<b>15</b>
<b>Senior Year: Fall</b>		
Math Upper Level Elective		3
Minor		3
Minor		3
Math or general electives		3
Math or General Upper Level Elective		3
<b>Total hours</b>		<b>15</b>

<b>Freshman Year: Spring</b>		<b>Hrs.</b>
ENGL 1312 Composition II		3
PHIL 3312 Logic		3
DWHP 1200		2
Physical Education PE Activity Course		1
MATH 2313 Calculus 2		3
MATH 2303 Intro Prob & Stat		3
<b>Total hours</b>		<b>15</b>
<b>Sophomore Year: Spring</b>		
RELS 1305, 1315, 1325, 1335 or 1327H		3
History Core Course		3
Math 2314 Differential Equation		3
MATH 3335 Geometry & Proof		3
Math Upper Level Elective		3
<b>Total hours</b>		<b>15</b>
<b>Junior Year: Spring</b>		
Science w/ Lab		4
Modern Language II		3
Math Upper Level Elective		3
Math Upper Level Elective		3
Minor		3
<b>Total hours</b>		<b>16</b>
<b>Senior Year: Spring</b>		
Math Upper Level Elective		3
Math Upper Level Elective		3
Minor		3
Math or general electives		3
Math or general electives		2
<b>Total hours</b>		<b>14</b>

**Core Curriculum - Total Hours 43**  
**Major - Total Hours 77**  
**Degree - Total Hours 120**