

# ACTUARIAL SCIENCE

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Department of Mathematics (<https://cas.umw.edu/math/>)

The minor in actuarial science provides students with the necessary background coursework for careers in a field whose demand is constantly on the rise. The minor is open to students from all majors. It offers an opportunity for students to develop skills expected of entry level actuaries; equipping them with the tools to help companies and businesses to better anticipate and manage risk. This minor also provides reasonable preparation for the first two actuarial examinations.

## Minor Requirements

A minimum of 22 credits are required.

| Code                                 | Title                                 | Credits      |
|--------------------------------------|---------------------------------------|--------------|
| MATH 122                             | Calculus II                           | 4            |
| MATH 481                             | Theory of Interest                    | 3            |
| STAT 381                             | Probability and Statistical Inference | 3            |
| ECON 201B                            | Principles of Macroeconomics          | 3            |
| ECON 202B                            | Principles of Microeconomics          | 3            |
| Select 6-7 credits of the following: |                                       | 6-7          |
| ACCT 301                             | Intermediate Accounting I             |              |
| ACCT 302                             | Intermediate Accounting II            |              |
| CPSC 310                             | Computer Information Systems          |              |
| ECON 303                             | Microeconomics                        |              |
| ECON 304                             | Macroeconomics                        |              |
| ECON 321                             | Money And Banking                     |              |
| ECON 322A                            | Investment Analysis                   |              |
| MATH 351A                            | Numerical Analysis I                  |              |
| MATH 352A                            | Numerical Analysis II                 |              |
| STAT 382                             | Probability and Statistical Inference |              |
| <b>Total Credits</b>                 |                                       | <b>22-23</b> |

## Mathematics Faculty

Julius N. Esunge, Chair

Randall D. Helmstutler, Career Advisor for Pure Mathematics

Jangwoon Lee, Career Advisor for Applied Mathematics

Debra L. Hydorn, Career Advisor for Statistics

### Professors

Julius N. Esunge

Debra L. Hydorn

Janusz Konieczny

Jangwoon Lee

J. Larry Lehman

Keith E. Mellinger

Suzanne Sumner

### Associate Professors

Melody B. Denhere

Randall D. Helmstutler

### Senior Lecturers

Jennifer M. Magee

Kelly W. Perkins