# MATHEMATICS: ACTUARIAL SCIENCE AND FINANCIAL MATHEMATICS, BS

## Example Plan of Study

**Finish in Four Plan of Study**

The plan below is an **example** of how students can successfully complete degree requirements in four years. This suggested class schedule plan may be used as a guide and can be adjusted based on individual needs. Students are required to meet with an academic advisor prior to enrollment each semester to plan their class schedule, and students are ultimately responsible for completing all degree requirements.

| Course | Title | Hours |
|---|---|---|
| **Freshman** | | |
| **Fall** | | |
| ENGL 1113<br>or ENGL 1313 | Composition I<br>or Critical Analysis and Writing I | 3 |
| MATH 2144 | Calculus I (A) | 4 |
| General Education courses | | 7 |
| | **Hours** | **14** |
| **Spring** | | |
| ENGL 1213<br>or ENGL 1413 | Composition II<br>or Critical Analysis and Writing II | 3 |
| MATH 2153 | Calculus II (A) | 3 |
| General Education courses | | 9 |
| | **Hours** | **15** |
| **Sophomore** | | |
| **Fall** | | |
| MATH 2163 | Calculus III | 3 |
| PHYS 1114<br>or PHYS 2014 | College Physics I (LN)<br>or University Physics I (LN) | 4 |
| STAT 4013 | Statistical Methods I (A) | 3 |
| ACCT 2003 | Survey of Accounting | 3 |
| General Education courses | | 3 |
| | **Hours** | **16** |
| **Spring** | | |
| MATH 2233 | Differential Equations | 3 |
| MATH 3013 | Linear Algebra (A) | 3 |
| PHYS 1214<br>or PHYS 2114 | College Physics II (LN)<br>or University Physics II (LN) | 4 |
| ECON 2103 | Introduction to Microeconomics (S) | 3 |
| College and Elective courses | | 3 |
| | **Hours** | **16** |
| **Junior** | | |
| **Fall** | | |
| MATH 3613 | Introduction to Abstract Algebra | 3 |
| STAT 4203 | Mathematical Statistics I | 3 |
| ECON 2203 | Introduction to Macroeconomics | 3 |
| Major, College, and Elective courses | | 6 |
| | **Hours** | **15** |
| **Spring** | | |
| MATH 4023 | Introduction to Analysis | 3 |
| MATH 4453 | Mathematical Interest Theory | 3 |
| FIN 3113 | Finance | 3 |
| Major, College, and Elective courses | | 6 |
| | **Hours** | **15** |
| **Senior** | | |
| **Fall** | | |
| FIN 4223 | Investments | 3 |
| Major, College, and Elective courses | | 12 |
| | **Hours** | **15** |
| **Spring** | | |
| Major, College, and Elective courses | | 14 |
| | **Hours** | **14** |
| | **Total Hours** | **120** |