A minor in Actuarial Science mandates the following required courses:

**Key Prerequisites Note:**

The Math/ACMS courses require Math 20550 (Calculus III) or ACMS 20550 (Intro to Applied Methods I), which themselves require Math 10550 & 10560 (Calculus I & II) as prerequisites.

**Important Note:**

The minor in actuarial science is one of the most popular programs, and has a waitlist with a wait time of potentially over one year, so students are encouraged to apply to the minor as early as possible: [https://www3.nd.edu/~ugcos/science_business/index.htm](https://www3.nd.edu/~ugcos/science_business/index.htm)

**Three electives in mathematics:**

- Probability (MATH 30530)
- Mathematical Statistics (ACMS 30540)
- Introduction to Financial Mathematics (MATH 30610)

**Four courses from the Mendoza College of Business:**

- Accountancy I (ACCT 20100)
- Corporate Financial Management (FIN 20150)
- Macroeconomic Analysis (FIN 30220)
- Investment Theory (FIN 30600)

**Two courses from the College of Arts & Letters:**

- Principles of Microeconomics (ECON 10010, 20010, 10011, or 20011)
- Econometrics (ECON 30331)

**One Mathematics/ACMS elective at the 30000 or 40000 level.**

Among the 10 courses required for the minor, up to 5 courses can be double-counted for a student's major. Each course in these 10 courses beyond the 5-course double counting allowance limit will need to be replaced by an additional 30000 or 40000 elective.
Suggested Course Sequence:

<table>
<thead>
<tr>
<th>Probability</th>
<th>Mathematical Statistics</th>
<th>Econometrics</th>
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<tbody>
<tr>
<td>(MATH/ACMS 30530)</td>
<td>(ACMS 30540)</td>
<td>(ECON 30331)</td>
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<tr>
<td>Introduction to Financial</td>
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<tr>
<td>Mathematics</td>
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<tr>
<td>(MATH/ACMS 30610)</td>
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<td>(FIN 20150)</td>
<td>(FIN 30600)</td>
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<td>Accountancy I</td>
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<td>(ACCT 20100)</td>
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Review Courses Available:

- ACMS 37011. SOA Exam P Review (1 Credit Pass/Fail)
- ACMS 37012. SOA Exam FM Review (1 Credit Pass/Fail)

Recommended Courses for Interested Actuaries:

- ACMS 20010 (Will not satisfy Elective requirement) & 30010 (Will satisfy). Applied Mathematics of Financial Economics I & II – Preparation for Exam MFE/3F
- ACMS 40010 & 40020. Loss Models I & II – Preparation for Exam C/4
- Math 40610 & 40620. Actuarial Mathematics for Life Contingencies I & II – Preparation for Exam MLC (SOA track only)
- ACMS 40212. Advanced Scientific Computing
- ACMS 40875. Statistical Methods in Data Mining
- MATH 20210. Computer Programming and Problem Solving (Will not satisfy Elective requirement)
- MATH 40570. Mathematical Methods in Financial Economics
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