

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

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:

Probability (MATH/ACMS 30530)	Mathematical Statistics (ACMS 30540)	Econometrics (ECON 30331)
	Introduction to Financial Mathematics (MATH/ACMS 30610)	Math or ACMS Elective (30000 or 40000 level) (Prereqs vary)
Principles of Microeconomics (ECON 10010, 20010, 10011, or 20011)	Macroeconomic Analysis (FIN 30220)	
Corporate Financial Management (FIN 20150)	Investment Theory (FIN 30600)	
Accountancy I (ACCT 20100)		

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 30600. Statistical Methods & Data Analysis I – VEE Applied Statistics
- 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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