

# Advising Course Plan - Applied Mathematics - Actuarial and Financial 3-Year Plan

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<sup>1</sup> 300- or 400-level course.

This advising plan shows an example of working through the requirements for the major in three years. It is appropriate for students who have already completed eight units of coursework. The student's individual academic plan will be developed in consultation with an adviser and reviewed each semester prior to registering for the next semester. This plan assumes that the student has taken Calculus I and Calculus II prior to the first semester shown in the plan.

Courses for the major that should be completed prior to the first semester of this plan: Calculus I and Calculus II.

| <b>First Year</b>                                    |                                     |              |
|--|-------------------------------------|--------------|
| <b>Fall</b>  |                                     | <b>Units</b> |
| MATH 221Q  | Introduction to Logic and Proof     | 1            |
| MATH 243Q  | Calculus III with Analytic Geometry | 1            |
| ECON 103S  | Essentials of Economics I           | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| <b>Term Units</b>                                    |                                     | <b>4</b>     |
| <b>Spring</b>  |                                     |              |
| MATH 211Q  | Linear Algebra                      | 1            |
| ACCT 201   | Fundamentals of Accounting          | 1            |
| CSCI 261   | Data Science I                      | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| <b>Term Units</b>                                    |                                     | <b>4</b>     |
| <b>Second Year</b>                                   |                                     |              |
| <b>Fall</b>  |                                     |              |
| SOBA 201   | Fundamentals of Financial Analysis  | 1            |
| Upper-division MATH or FINA Requirement <sup>1</sup> |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| <b>Term Units</b>                                    |                                     | <b>4</b>     |
| <b>Spring</b>  |                                     |              |
| Upper-division MATH or FINA Requirement <sup>1</sup> |                                     | 1            |
| Upper-division MATH or FINA Requirement <sup>1</sup> |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| <b>Term Units</b>                                    |                                     | <b>4</b>     |
| <b>Third Year</b>                                    |                                     |              |
| <b>Fall</b>  |                                     |              |
| MATH 498   | Senior Project I                    | 1            |
| Upper-division MATH or FINA Requirement <sup>1</sup> |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| <b>Term Units</b>                                    |                                     | <b>4</b>     |
| <b>Spring</b>  |                                     |              |
| MATH 499   | Senior Project II                   | 1            |
| Upper-division MATH or FINA Requirement <sup>1</sup> |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| General Education Requirement or Elective            |                                     | 1            |
| <b>Term Units</b>                                    |                                     | <b>4</b>     |
| <b>Total Unit: 24</b>                                |                                     |              |