Advising Course Plan - Applied Mathematics - Data Science - 2 Year Plan

This advising plan shows an example of working through the requirements for the major in two years. It is appropriate for students who have already completed sixteen units of coursework with many of the General Education requirements satisfied by that earlier 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. Students who have completed less than 16 units, have a substantial number of General Education requirements yet to satisfy, or who have not completed the courses just listed may not be able to complete the degree in two years.

Courses for the major that should be completed prior to the first semester of this plan: MATH 141Q Calculus I and MATH 142Q Calculus II.

First Year

Fall

		Units
CSCI 261	Data Science I	1
MATH 221Q or 231	Introduction to Logic and Proof Discrete Structures	1
MATH 125Q	Introduction to Mathematical and Statistical Modeling	1
General Education Requirement or Elective		1
	Term Units	**4**

Spring

MATH 211Q	Linear Algebra	1
CSCI 362	Data Science II	1
Upper Level Math/Computer Science Requirement		1
Upper Level Math/Computer Science Requirement		1
	Term Units	**4**

Second Year

Fall

MATH 498	Senior Project I	1
Upper Level Math/Computer Science Requirement		1
Upper Level Math/Computer Science Requirement		1
General Education Requirement or Elective		1
	Term Units	**4**

Spring

MATH 499	Senior Project II	1
Upper Level Math/Computer Science Requirement		1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
	Term Units	**4**

Total Unit: 16