

Advising Course Plan - Applied Mathematics - Physics 3-Year Plan

¹ One of two units required from MATH courses: MATH 312, MATH 361, MATH 371, MATH 372, MATH 411, MATH 421
one of two units required from PHYS courses: PHYS 322, PHYS 332, PHYS 343.

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

First Year

Fall		Units
MATH 221Q	Introduction to Logic and Proof	1
MATH 243Q	Calculus III with Analytic Geometry	1
PHYS 141P	University Physics I	1
General Education Requirement or Elective		1
Term Units		4

Spring		Units
MATH 211Q	Linear Algebra	1
CSCI 261 or 141	Data Science I Introduction to Computer Science I	1
PHYS 142P	University Physics II	1
General Education Requirement or Elective		1
Term Units		4

Second Year

Fall		Units
PHYS 304	Mathematical Methods in Physics	1
Upper division PHYS or MATH Requirement ¹		1
CSCI 261 or 141	Data Science I Introduction to Computer Science I	1
General Education Requirement or Elective		1
Term Units		4

Spring		Units
Upper Division PHYS or MATH Requirement ¹		1
Upper Division PHYS or MATH Requirement ¹		1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
Term Units		4

Third Year

Fall		Units
MATH 498	Senior Project I	1
Upper Division PHYS or MATH Requirement ¹		1
Upper Division PHYS or MATH Requirement ¹		1
General Education Requirement or Elective		1
Term Units		4

Spring		Units
MATH 499	Senior Project II	1
Upper Division PHYS or MATH Requirement ¹		1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
Term Units		4

Total Unit: 24