

Advising Course Plan - Physics Major - Biophysics Concentration - 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 two semesters of University Physics, two semesters of Calculus with Analytic Geometry, and two semesters of General Chemistry 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: PHYS 141P, PHYS 142P, MATH 141Q, MATH 142Q, CHEM 141P, and CHEM 142P.

First Year		
Fall		Units
PHYS 243	Modern Physics	1
PHYS 352, 356, or HLSC 313 ¹	Optics (or Elective) Electronics Biomechanics	1
PHYS 380	Physics Colloquium	0.0
CHEM 201	Organic Chemistry I	1
General Education Requirement or Elective		1
Term Units		4
Spring		
PHYS 312	Laboratory Techniques	1
PHYS 497	Senior Project Proposal	0.5
PHYS 380	Physics Colloquium	0.0
PHYS 251, 362, or HLSC 313 ^{1,2}	Biophysics (or Elective) Thermophysics Biomechanics	1
BIOL 141P	Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics	1
Term Units		3.5
Second Year		
Fall		
PHYS 352, 356, or HLSC 313 ¹	Optics (or Elective) Electronics Biomechanics	1
PHYS 498	Senior Project	1
PHYS 380	Physics Colloquium	0.0
General Education Requirement or Elective		1
General Education Requirement or Elective		1
Term Units		4
Spring		

PHYS 251, 362, or HLSC 313 ^{1,2}	Biophysics (or Elective) Thermophysics Biomechanics	1
PHYS 499	Senior Seminar	0.5
PHYS 380	Physics Colloquium	0.0
General Education Requirement or Elective		1
General Education Requirement or Elective		1
CSCI 261	Data Science I	1
Term Units		4.5
Total Unit: 16		

¹ Students choose one from: PHYS 352, PHYS 356, PHYS 362, or HLSC 313.

² PHYS 251 is offered every second year in the spring and is required.