

Advising Course Plan - Physics Major- Biophysics Concentration - 3 Year Plan

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 not taken any courses for the major 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: None required.

First Year		
Fall		
PHYS 141P	University Physics I	1
MATH 130 or 141Q	Calculus I with Review Part I Calculus I with Analytic Geometry	1
CHEM 141P	General Chemistry I	1
General Education Requirement or Elective		1
Term Units		4
Spring		
PHYS 142P	University Physics II	1
MATH 131Q or 142Q	Calculus I with Review Part 2 Calculus II with Analytic Geometry	1
CHEM 142P	General Chemistry II	1
General Education Requirement or Elective		1
Term Units		4
Summer		
MATH 142Q	Calculus II with Analytic Geometry (If not previously completed, should be taken in summer term)	1
Term Units		1
Second Year		
Fall		
PHYS 243	Modern Physics	1
PHYS 352, 356, or HLSC 313 ¹	Optics (or Elective) Electronics Biomechanics	1
PHYS 380	Physics Colloquium	0.0
General Education Requirement or Elective		
General Education Requirement or Elective		
Term Units		2
Spring		
PHYS 251, 362, or HLSC 313 ^{1,2}	Biophysics (or Elective) Thermophysics Biomechanics	1
PHYS 497	Senior Project Proposal	0.5
PHYS 380	Physics Colloquium	0.0
General Education Requirement or Elective		1
General Education Requirement or Elective		1
BIOL 141P	Introductory Biology: Biochemistry, Cell Biology and Molecular Genetics	1
Term Units		4.5

Third 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
CSCI 261	Data Science I	1
General Education Requirement or Elective		1
General Education Requirement or Elective		1
Term Units		4.5
Total Unit: 24		

¹ Students choose one from: PHYS 352, PHYS 356, PHYS 362, or HLSC 313.
² PHYS 362 is offered every second year in the spring and is required.