

Advising Course Plan - Physics Major

First Year

Fall		Units
PHYS 141P	University Physics I	1
MATH 130 or 141Q	Calculus I with Review Part I Calculus I with Analytic Geometry	1
FSEM 100	First Year Seminar	1
General Education requirement		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
Writing Enhanced course		1
General Education requirement		1
Term Units		4

Summer

If not previously completed, MATH 142Q should be taken in the summer term		
Term Units		0

Second Year

Fall		Units
PHYS 243	Modern Physics	1
PHYS 380	Physics Colloquium	0.0
MATH 243Q	Calculus III with Analytic Geometry	1
General Education requirement		1
General Education requirement		1
Term Units		4

Spring

PHYS 304	Mathematical Methods in Physics	1
PHYS 312	Laboratory Techniques	1
PHYS 380	Physics Colloquium	0.0
General Education requirement or Elective		1
General Education requirement or Elective		1
Term Units		4

Third Year

Fall		Units
Take one of the following each semester:		
PHYS 322, 332, or 343	Mechanics I Electricity and Magnetism Quantum Mechanics I	1
PHYS 352 or 356 ¹	Optics Electronics	1
PHYS 380	Physics Colloquium	0.0
Junior Seminar		1
General Education requirement or Elective		1
Term Units		4

Spring

Take one of the following each semester:		
PHYS 322, 332, or 343	Mechanics I Electricity and Magnetism Quantum Mechanics I	1
PHYS 412 ¹	Advanced Laboratory Techniques	1
PHYS 380	Physics Colloquium	0.0
PHYS 497	Senior Project Proposal	0.5
General Education requirement or Elective		1
Term Units		3.5

Fourth Year

Fall

Take one of the following each semester:

PHYS 322, 332, or 343	Mechanics I Electricity and Magnetism Quantum Mechanics I	1
PHYS 352 or 356 ¹	Optics Electronics	1
PHYS 380	Physics Colloquium	0.0
PHYS 498	Senior Project	1
General Education requirement or Elective		1
Term Units		4

Spring

PHYS 380	Physics Colloquium	0.0
PHYS 412 ¹	Advanced Laboratory Techniques	1
PHYS 499	Senior Seminar	0.5
Select one of the following:		
CSCI 261 or 141	Data Science I Introduction to Computer Science I	1
General Education requirement or Elective		1
General Education requirement or Elective		1
Term Units		4.5

Total Unit: 32

¹ If selected for major requirement, or General Education requirement, or Elective.