Advising Course Plan -Physics Major

First Year

PHYS 380

Spring

or 343

PHYS 412¹

PHYS 380

PHYS 497

Junior Seminar

General Education requirement or Elective

Take one of the following each semester: PHYS 322, 332, Mechanics I

General Education requirement or Elective

First Year		
Fall		Units
PHYS 141P	University Physics I	1
MATH 130	Calculus I with Review Part I	1
or 141Q	Calculus I with Analytic Geometry	
FSEM 100	First Year Seminar	1
General Education r	equirement	1
	Term Units	4
Spring		
PHYS 142P	University Physics II	1
MATH 131Q	Calculus I with Review Part 2	1
or 142Q	Calculus II with Analytic Geometry	
Writing Enhanced co	burse	1
General Education r	equirement	1
	Term Units	4
Summer		
If not previously com	npleted, MATH 142Q should be taken in the summer terr	n
	Term Units	0
Second Year		
Fall		
PHYS 243	Modern Physics	1
PHYS 380	Physics Colloquium	0.0
MATH 243Q	Calculus III with Analytic Geometry	1
General Education r	equirement	1
General Education r	equirement	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 r	equirement or Elective	1
General Education r	equirement or Elective	1
	Term Units	4
Third Year		
Fall		
Take one of the follo	wing each semester:	
PHYS 322, 332,	Mechanics I	1
or 343	Electricity and Magnetism	
	Quantum Mechanics I	
PHYS 352 or 356 ¹	Optics Electronics	1

Physics Colloquium

Electricity and Magnetism

Advanced Laboratory Techniques

Quantum Mechanics I

Physics Colloquium

Term Units

Senior Project Proposal

Term Units

Fourth Year

Fall

Term Units		4.5
General Education re	1	
General Education re	1	
or 141	Introduction to Computer Science I	
CSCI 261	Data Science I	1
Select one of the follo	owing:	
PHYS 499	Senior Seminar	0.5
PHYS 412 ¹	Advanced Laboratory Techniques	1
PHYS 380	Physics Colloquium	0.0
Spring		
	Term Units	4
General Education re	equirement or Elective	1
PHYS 498	Senior Project	1
PHYS 380	Physics Colloquium	0.0
or 356 ¹	Electronics	
PHYS 352	Optics	1
01 343	Quantum Mechanics I	
PHYS 322, 332, or 343	Mechanics I Electricity and Magnetism	1
Take one of the follow	•	

Total Unit: 32

0.0

1

1

4

1

1

0.0

0.5

1 3.5 ¹ If selected for major requirement, or General Education requirement, or Elective.