Department of Chemistry and Physics-Physics Program
Sequence for the PHYSICS Major

This table shows a possible sequence of courses for a physics major. Our course offerings vary year to year, however, and your actual sequence will depend on what is being offered. On the back of this page is the anticipated rotation of upper level courses for 2021-2022 through 2024-2025

PHYSICS Example Schedule		
Year	**Course**	**Credits in the major**
1st Year	PHYS 105 (PHY241[d] VCCS)	4
	PHYS 106 (PHY242 [d] VCCS)	4
	MATH 121 (MTH273 VCCS)	-
	MATH 122 (MTH274 VCCS)	-
	TOTAL	**8**
Fall 2nd Year	PHYS 211[a]	3
	PHYS 317[a]	3
	MATH 224 (recommended)	-
Spring 2nd Year	PHYS 330[c]	4
	PHYS elective[b]	1 to 4 (see note b)
Fall 3rd Year	PHYS 384[c]	4
	MATH 312 (recommended)	-
Spring 3rd Year	PHYS 320[c]	4
	PHYS elective[b]	1 to 4 (see note b)
Fall 4th Year	PHYS 482[a]	2
Spring 4th Year	PHYS 410[c]	4
	PHYS elective[b]	1 to 4 (see note b)
	2nd through 4th years total	**33**
	MAJOR TOTAL	**41 (minimum)**
a) Offered in fall		
b) Nine (9) credits of electives are required from: PHYS201, 210, 283, 292, 471, or 472		
c) Offered in alternating years and/or based on demand. Actual timing of these courses may vary from what's shown in chart because of this.		
d) Must have in person laboratory component.		

For further information or detail, contact:

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Physics Major
Anticipated Rotation for Physics Courses Fall 2021 through Spring 2025

IMPORTANT Based on staffing and other factors, the rotation might change. It is critical that you meet with your physics major advisor each semester before registering for courses to ensure that your degree completion plan is solid.

REQUIRED COURSES IN PHYSICS

CRS	NAME	CR	ATR	PREREQ	F21	S22	F22	S23	F23	S24	F24	S25
105	University Physics I	4	WI									
106	University Physics II	4	WI									
211	Modern Physics	3		106								
317	Methods of Mathematical Physics	3		106								
320	Classical Mechanics	4		211,317								
330	E&M	4		211,317								
384	Advanced Lab	4	WI	211								
410	Quantum Mechanics	4		211,317								
482	Seminar	2	SI	Senior								

ELECTIVE COURSES IN PHYSICS (9 credits of these needed for the major)

CRS	NAME	CR	ATR	PREREQ	F21	S22	F22	S23	F23	S24	F24	S25
201	Thermodynamics	3		106								
210	Nuclear	3		106		TBA	TBA	TBA	TBA	TBA	TBA	TBA
283	Electronics	4		106								
292	Optics	4		106								
TBA	Astrophysics	4		211,317								
471	Selected Topics in Physics	1-3		varies		TBA	TBA	TBA	TBA	TBA	TBA	TBA