

Road Map For Physics Majors

Freshmen Year					
Fall 20... (1 st Semester)			Spring 20... (2 nd Semester)		
Course Title [Code]	Credit Hr	Remarks/Status	Course Title [Code]	Credit Hr	Remarks/ Status
UNIV 100	3	GEC	Waves & Vibrations [**PHY (104)]	4	CC
Calculus I [*MATH (102)]	3	Recommended (GEC)	Calculus II [*MATH (201)]	3	Recommended (GEC)
Mechanics [**PHYS (103)]	4	CC	GEC	3	
GEC	3		GEC	3	
GEC	3		GEC	4	
Sophomore Year					
Fall 20... (3 rd Semester)			Spring 20... (4 th Semester)		
Course Title [Code]	Credit Hr	Remarks/ Status	Course Title [Code]	Credit Hr	Remarks/ Status
Ordinary Diff. Eq. [*MATH (202)]	3	Recommended (GEC)	Modern Physics [**PHYS (222)]	4	CC
Vector Analysis [*MATH (203)]	3	Recommended (GEC)	Classical Mechanics [**PHYS (301)]	3	CC
Elect. & Magnetism [**PHYS (221)]	4	CC	Electrodynamics [**PHYS (321)]	4	CC
GEC	3		GEC	3	
GEC	3		GEC	3	
Junior Year					
Fall 20... (5 th Semester)			Spring 20... (6 th Semester)		
Course Title [Code]	Credit Hr	Remarks/ Status	Course Title [Code]	Credit Hr	Remarks/ Status
Thermody. & Statistical Physics [**PHYS (335)]	3	CC	EC	4	
Meth. Math. Physics [***PHYS (341)]	3	Recommend (EC)	EC	3	
Quantum Mechanics I [**PHYS (461)]	3	CC	EC	3	
GEC	3		Quantum Mechanics II [***PHYS (462)]	3	CC
GEC	3		EC	3	
			GEC	3	GEC
Senior Year					
Fall 20... (7 th Semester)			Spring 20... (8 th Semester)		
Elective Course	Credit Hr	Remarks/ Status	Elective Course	Credit Hr	Remarks/ Status
EC	4	Students are advised to take as many elective courses of their area of interest as possible	EC	4	Students are advised to take as many elective courses of their area of interest as possible
EC	3		EC	3	
EC	3		EC	3	
EC	3		EC	3	
EC	3		EC	3	

Students are strongly advised to complete general education by the end of sophomore year. In the senior year they should take as many elective courses from physics as possible.

Note: GEC: General Education Course (Blue); CC: Core Course (**Purple); EC: Elective course (Black)

Of the 48 credits required overall, the remaining credits from Physics courses-200 and above must be taken as electives: PHYS 255; PHYS 300; PHYS 331; PHYS 332; PHYS 341; PHYS 342; PHYS 351; PHYS 352; PHYS 353; PHYS 422; PHYS 451; PHYS 472; PHYS 481; PHYS 482; PHYS 483; PHYS (498/499)