

Physics 8-Semester Plan: Precalculus Start			
Year 1			
Fall 2021 Semester		Spring 2022 Semester	
Course	Credits	Course	Credits
Gen Ed: Basic Communication	4	MAT251 Calculus I	4
MAT181 Precalculus	4	CHE202 General Chemistry II	3
CHE201 General Chemistry I	3	CHE212 General Chemistry II Lab	1
CHE211 General Chemistry I Lab	1	Gen Ed: Foreign Language 2 ²	3
Gen Ed: Foreign Language 1	3	General Education course	3
Physics & Astronomy Seminar ^{*1}	1		
Semester Total	16	Semester Total	14
Year 2			
Fall 2022 Semester		Spring 2023 Semester	
Course	Credits	Course	Credits
MAT252 Calculus II	4	MAT353 Calculus III	4
PHY201 General Physics I	3	PHY202 General Physics II	3
PHY211 Physics I Lab	1	PHY212 General Physics II Lab	1
Writing Intensive course	3	MAT359 Ordinary Differential Equations ^{*3}	3
General Education course	3	General Education course	3
Semester Total	14	Semester Total	14
Year 3			
Fall 2023 Semester		Spring 2024 Semester	
Course	Credits	Course	Credits
PHY306 Mechanics 1	3	PHY322 Optics	3
MAT362 Linear Algebra ^{*3}	3	PHY310 Modern Physics Lab or	1
Elective by advisement:	4	PHY323 Optics Laboratory	
CPS210 Computer Science 1 ^{*4}		PHY308 Modern Physics I	3
Diversity course	3	MAT342 Applied Math II	3
General Education course	3	Elective	3
		General Education	3
Semester Total	16	Semester Total	16
Year 4			
Fall 2024 Semester		Spring 2025 Semester	
Course	Credits	Course	Credits
PHY307 Mechanics 2	3	PHY491 Physics Senior Project	3
PHY313 Electricity & Magnetism	3	PHY305 Computational Physics	3
PHY331 Quantum Mechanics	3	PHY422 Thermal Physics	3
Elective	3	PHY309 Modern Physics II or	3
General Education course	3	PHY340 Intro to Astrophysics	
		Elective	3
Semester Total	15	Semester Total	15
Total Credits: 120			
<p>^{*1} Not required (NR), but strongly recommended</p> <p>^{*2} NR if Foreign Language 1 was taken at intermediate level or above</p> <p>^{*3} MAT359 + MAT362 substitute for MAT341</p> <p>^{*4} Computer Science I suggested for students with no programming experience prior to PHY305</p>			