

Updated 6/17/2015

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR			
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	
	General Physics IA PHYS 141 (4) (MATH 141 w/min C- & MATH 142 or 182 ¹)	General Physics II PHYS 132 (4) (PHYS 131 or 141 or HNRS 131) [B3/B4]	General Physics III PHYS 133 (4) (PHYS 131 or 141 or HNRS 131, & MATH 142. Recom: MATH 241)	Modern Physics I PHYS 211 (4) (PHYS 132, 133, & MATH 241)	Modern Physics II PHYS 212 (4) (PHYS 211)	Classical Mechanics I PHYS 302 (4) (PHYS 131 or 141; MATH 241; MATH 242 or 244)	Thermal Physics PHYS 301 (4) (PHYS 211)	Choose one: Quantum Mechanics I PHYS 405 (4)* OR Solid State Physics PHYS 412 (3)^{4*}	Physics Elective (300-400 level) (3-4)⁶*	Physics Elective (300-400 level) (3-4)⁶*	Physics Elective (300-400 level) (3-4)⁶*	
Calculus I MATH 141 (4)¹ * [B1]	Calculus II MATH 142 (4)¹ (MATH 141 w/min C-) [B1]	Calculus III MATH 143 (4)¹ (MATH 142 w/min C-)	Calculus IV MATH 241 (4) (MATH 143)	Linear Analysis I MATH 244 (4) (MATH 143)	MATH/STAT Elective 300-400 Level (4)³ *	Vibrations and Waves PHYS 322 (3) (PHYS 132; MATH 242 or 244. Recom: MATH 344)	GE (4) **	Philosophy or Ethics Course Choose one: HIST 350 (4)⁵ , PHIL 321 (4)⁵ , PHIL 421 (4) , or SCM 451 (3) *	Physics Elective (300-400 level) (4)⁶*	Senior Project PHYS 461 or 463 (2) (Instructor Consent)	Physics Elective (300-400 level) (3-4)⁶*	
General Chemistry for Physical Science & Engineering I CHEM 124 (4)² *	General Chemistry for Physical Science & Engineering II CHEM 125 (4)² (CHEM 124)	GE (4) **	GE (4) **	Experimental Physics PHYS 206 (3) (PHYS 133, MATH 143. Concurrent: PHYS 256)	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	
Free Elective (0-2)⁷	Free Elective (0-2)⁷	Free Elective (0-1)⁷	GE (4) **	Electrical Measurements Laboratory PHYS 256 (1) (PHYS 133, MATH 143, Concurrent: PHYS 206)	Free Elective (3-4)⁷	Free Elective (4)⁷	Free Elective (4)⁷	Free Elective (4)⁷	Free Elective (4)⁷	Free Elective (4)⁷	Free Elective (4)⁷	
Expository Writing ENGL 133/134 (4)** [A1] Can be taken anytime during Freshman Year					GE (4) **							
Oral Communication COMS 101/102 (4)** [A2] Can be taken anytime during Freshman Year												
			Reasoning, Argumentation, & Writing [A3] COMS 126; COMS/ENGL 145; ENGL 148; PHIL 126 (4)** (Completion of GE A1 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.						Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)			
12-14	16-18	16-17	16	16	15-16	15	16	14-16	15-16	13-14	14-16	
										TOTAL:	180	

Notes:

MOST GENERAL EDUCATION COURSES CAN BE TAKEN IN ANY ORDER AS LONG AS PREREQUISITES ARE MET

* Refer to current catalog for prerequisites.

** One course from each of the following GE areas must be completed: A1, A2, A3, B2, C1, C2, C3, C4, C1-C5 elective, D1, D2, D3, D4, D5 and F.

C4, D5 and F should be taken only after Junior standing is reached (90 units).

Refer to online catalog for GE course selection, United States Cultural Pluralism (USCP) and Graduation Writing Requirement (GWR).

USCP requirement can be satisfied by some (but not all) courses within GE categories: C3, C4, D1, D3, D4, D5 or F.

¹ Calculus workshops (MATH 151, 152, 153) are recommended. They require concurrent enrollment in the associated section of Calculus, and count toward free elective credit.

² Supplemental Workshops (SCM 150) recommended in your first year. These courses will count for elective credit.

³ MATH 344 recommended.

⁴ PHYS 412 is typically offered in Fall quarters.

⁵ PHIL 321 will meet the GE C4 requirement; HIST 350 will meet the D5 requirement. If one of these is selected, increase your total free electives by 4 units.

⁶ Select at least one of the following: PHYS 323, PHYS 340, PHYS 341, PHYS 357, PHYS 417, PHYS 422, PHYS 423, PHYS 452, ASTR 444. In addition, choose courses with the prefixes PHYS, ASTR or GEOL (but no more than 6 units from each of ASTR and GEOL).

⁷ Total 27-29 Elective units required for the major. Be sure to take sufficient upper division (300-400 level) electives to meet the "60 unit upper division" graduation requirement.

Legend:

Course Title	
Course # (Units)	Major (91-93)
(Prerequisite)	General Ed. (60)
[GE Area]	Free Electives (27-29)