

Updated 3/10/2020

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
	<i>General Physics IA</i> PHYS 141 (4)² (MATH 141 w/min C-; MATH 142 or 182; Recom: HS physics)	<i>General Physics II</i> PHYS 132 (4)² (PHYS 131 or 141 or HNRS 131) [B1 & B3]	<i>General Physics III</i> PHYS 133 (4)² (PHYS 131, 141, or HNRS 131; MATH 142. Recom: MATH 241)	<i>Modern Physics I</i> PHYS 211 (4) (PHYS 132 ; 133; MATH 241; Recom: MATH 242 or 244)	<i>Modern Physics II</i> PHYS 212 (4) (PHYS 211)	<i>Classical Mechanics I</i> PHYS 302 (4) (PHYS 131 or 141; MATH 241; 242 or 244)	<i>Thermal Physics I</i> PHYS 301 (4) (PHYS 211)	<i>Quantum Mechanics I</i> PHYS 405 (4) (PHYS 212; 302; 320 or 322; MATH 241; 242 or 244)	<i>Electromagnetic Fields & Waves I</i> PHYS 408 (4) (PHYS 133; MATH 304 or PHYS 320)	Upper Division Elective (4)⁴ *	Upper Division Elective (4)⁴ *
<i>Calculus I</i> MATH 141 (4)⁴ * [B4]	<i>Calculus II</i> MATH 142 (4)⁴ (MATH 142 w/min C- or Instr. Consent) [GE Elective]	<i>Calculus III</i> MATH 143 (4)⁴ (MATH 142 w/min C- or Instr. Consent)	<i>Calculus IV</i> MATH 241 (4) (MATH 143)	<i>Linear Algebra I</i> MATH 206 (4) (MATH 143)	<i>Differential Equations I</i> MATH 242 (4) (MATH 206 and MATH 241)	<i>Methods of Theoretical Physics I</i> PHYS 320 (4) (PHYS 211; MATH 242 or 244)	Upper Division Elective (4)⁴ *	Upper Division Elective (3-4)^{3,4} *	Upper Division Elective (2-4)⁴ *	Senior Project PHYS 461 (2) (Instructor Consent)	Upper Division Elective (1-4)⁴ *
<i>Expository Writing</i> ENGL 133/134 (4)** [A2] Can be taken anytime during Freshman Year			Choose One: <i>Electronics and Instrumentation</i> PHYS 206 (4)* <i>Physics on the Computer</i> PHYS 202 (4)*						Upper Division Elective (4)⁴ *		
<i>Oral Communication</i> COMS 101/102 (4)** [A1] Can be taken anytime during Freshman Year			GE (4) **	GE (4) **		GE (4) **	GE (4) **	GE (4) **		GE (4) **	GE (4) **
GE (4) **	<i>Reasoning, Argumentation, & Writing</i> [A3] COMS 126; COMS/ENGL 145; ENGL 148; PHIL 126 (4)** (Completion of GE A2 with a C- or better) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years.				Free Elective (4)⁵	Free Elective (4)⁵			Free Elective (4)⁵	Free Elective (4)⁵	Free Elective (4)⁵
Free Elective (4)⁵	Free Elective (4)⁵	GE (4) **	GE (4) **	GE (4) **	Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)						
16	16	16	16	16	16	16	12	14-16	15-16	14	13-16
										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, Upper-Division B, C1, C2, Lower-Division C Elective, Upper-Division C, D1, D2 (8), Upper-Division D, E, and a GE Elective. Upper-Division B, Upper-Division C, and Upper-Division D 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

USCP requirement can be satisfied by some (but not all) courses within GE categories: Upper-Division B, C1, Upper-Division C, D1, D2, Upper-Division

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 HIST 350; PHIL 321, 323, 421. PHIL 321 or 323 will meet the Upper-Division C requirement; HIST 350 will meet the Upper-Division D requirement. If one of these is selected, increase your total free electives by 4 units.

⁴ 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. Up to 4 units may be chosen from the following: HIST 350, PHIL 321, PHIL 323, PHIL 421. Total combined elective credit in PHYS 400, 404; ASTR 400, 404; GEOL 400, 404 limited to 8

⁵ Total 28 Free Elective units required for the major. CHEM 124 and 125 recommended.

Legend:

Course Title	
Course # (Units)	
(Prerequisite)	
[GE Area]	

Major (92)

General Ed. (60)

Free Electives (28)