

Updated 6/16/2017

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 ¹)	<i>General Physics II</i> PHYS 132 (4)² (PHYS 131 or 141 or HNRS 131) [B3/B4]	<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 and 133 and MATH 241)	<i>Modern Physics II</i> PHYS 212 (4) (PHYS 211)	<i>Classical Mechanics I</i> PHYS 302 (4) (PHYS 131 or 141; MATH 241; MATH 242 or 244)	<i>Thermal Physics</i> PHYS 301 (4) (PHYS 211)	<i>Quantum Mechanics I</i> PHYS 405 (4)* (PHYS 212; 302; 322; MATH 241; & MATH 242 or 244)	<i>Electromagnetic Fields & Waves I</i> PHYS 408 (4) (PHYS 133 and MATH 304)	Upper Division Elective (4) ⁴ *	Upper Division Elective (4) ⁴ *
<i>Calculus I</i> MATH 141 (4)³ * [B1]	<i>Calculus II</i> MATH 142 (4)³ (MATH 141 w/min C-) [B1]	<i>Calculus III</i> MATH 143 (4)³ (MATH 142 w/min C-)	<i>Calculus IV</i> MATH 241 (4) (MATH 143)	<i>Linear Analysis I</i> MATH 244 (4) (MATH 143)	<i>Vector Analysis</i> MATH 304 (4) (MATH 206 or 244, and MATH 241)	<i>Vibrations and Waves</i> PHYS 322 (3) (PHYS 132; and MATH 242 or 244. Recom: MATH 344)	Upper Division Elective (4) ⁴ *	Upper Division Elective (3-4) ³⁻⁴ *	Upper Division Elective (3-4) ⁴ *	Senior Project PHYS 461 or 463 (2) (Instructor Consent)	Upper Division Elective (1-4) ⁴ *
<i>Expository Writing</i> ENGL 133/134 (4)** [A1] Can be taken anytime during Freshman Year			Choose One: <i>Experimental Physics</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)** [A2] Can be taken anytime during Freshman Year			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 A1 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			GE (4) **	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	15	12	15-16	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, 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

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

³ HIST 350; PHIL 321, 421 ; SCM 451 recommended. 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.

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 421, SCM 451. Total combined elective credit in PHYS 400, 404; ASTR 404; GEOL 400, 404 limited to 8 units, w/ max of 2 units per quarter.

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

Legend:

<i>Course Title</i>	Major (92)
Course # (Units)	General Ed. (60)
<i>(Prerequisite)</i>	Free Electives (28)
[GE Area]	