

Updated 7/22/2014

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
	<i>General Physics IA</i> PHYS 141 (4) (MATH 141, and MATH 142 or 182) [†]	<i>General Physics II</i> PHYS 132 (4) (PHYS 131 or 141) [B3/B4]	<i>General Physics III</i> PHYS 133 (4) (PHYS 131 or 141, and MATH 142. Recom: MATH 241)	<i>Modern Physics I</i> PHYS 211 (4) (PHYS 132, 133, & MATH 241)	<i>Modern Physics II</i> PHYS 212 (4) (PHYS 211)	<i>Classical Mechanics I</i> PHYS 302 (4) (PHYS 131 or PHYS 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, 242, or 244; Recom: MATH 344)	<i>Electromagnetic Fields and Waves I</i> PHYS 408 (4) (PHYS 133, MATH 304)	Advanced Physics Elective (4) ⁴ *	Advanced Physics Elective (4) ⁴ *
<i>Calculus I</i> MATH 141 (4)¹ * [B1]	<i>Calculus II</i> MATH 142 (4)¹ (MATH 141 w/ ≥ C-) [B1]	<i>Calculus III</i> MATH 143 (4)¹ (MATH 142 w/ ≥ C-)	<i>Calculus IV</i> MATH 241 (4) (MATH 143)	<i>Linear Analysis I</i> MATH 244 (4) (MATH 143)	<i>Linear Analysis II</i> MATH 344(4) (MATH 241 and MATH 244)	<i>Vibrations and Waves</i> PHYS 322 (3) (PHYS 132; MATH 242 or 244. Recom: MATH 344)	<i>Quantum Physics Laboratory II</i> PHYS 341 (2) (PHYS 340)	<i>Vector Analysis</i> MATH 304 (4) (MATH 244, and MATH 241)	<i>Senior Project</i> PHYS 461 or 463 (2) (Instructor Consent)	<i>Senior Project II</i> PHYS 462 or 464 (2) (Instructor Consent)	Advanced Physics Elective (4) ⁴ *
<i>Chemistry I</i> CHEM 127 (4)² *	<i>Chemistry II</i> CHEM 128 (4)² (CHEM 127)	GE (4) **	GE (4) **	<i>Experimental Physics</i> PHYS 206 (3) (PHYS 133, MATH 143. Concurrent: PHYS 256)	<i>Physics on the Computer</i> PHYS 202 (4) (PHYS 133 and MATH 241)	<i>Quantum Physics Laboratory I</i> PHYS 340 (2) (PHYS 212 and 256)	Advanced Physics Elective (3) ⁴ *	Advanced Physics Elective (4) ⁴ *	Advanced Physics Elective (2) ⁴ *	GE (4) **	GE (4) **
GE (4) **	Free Elective (0-2)³	Free Elective (0-1)³	GE (4) **	<i>Electrical Measurements Laboratory</i> PHYS 256 (1) (PHYS 133, MATH 143, Concurrent: PHYS 206)	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	Free Elective (4)³	Free Elective (0-4)³
Free Elective (0-2)³	ENGL 133/134 (4)** [A1] Can be taken anytime during Freshman Year			GE (4) **							
	COMS 101/102 (4)** [A2] Can be taken anytime during Freshman Year										
	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. [A3]										
	Graduation Writing Requirement GWR* (Can be taken any time after 90 earned units)										
16-18	16-18	16-17	16	16	16	13	13	16	12	14	12-16
										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 for elective credit. They require concurrent enrollment in the associated section of Calculus.

² Supplemental Workshops (SCM 150) recommended to be taken along with CHEM 127 & 128, and can count for elective credit.

³ 8 total units of elective credit required for the major. Electives can be taken at anytime. MATH 151 & SCM 150 workshops recommended.

⁴ Complete 21 units of Advanced Physics Electives. Please note: As of 4/18/13, the Electronics and Electro-optics concentrations are under review by the Physics Department, and no students are being accepted into those concentrations at this time.

† Course can be taken previously or concurrently.

Legend:

Course Title		
Course # (Units)		Major (112)
(Prerequisite)		General Ed. (60)
[GE Area]		Free Electives (8)