

Updated 6/20/2022

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
<i>Calculus I</i> MATH 141 (4) * [B4]	<i>Calculus II</i> MATH 142 (4) (MATH 141 w/min C- or Instr. Consent) [GE Elective]	<i>Calculus III</i> MATH 143 (4) (MATH 142 w/min C- or Instr. Consent)	<i>Calculus IV</i> MATH 241 (4) (MATH 143)	<i>Linear Analysis I</i> MATH 244 (4) (MATH 143)	Statistics Choose One: STAT 312 (4) STAT 321 (4) STAT 350 (4) * [Upper-Division B]	Study Abroad or Global Perspectives (300-400 level) (4) *	<i>Gen Chem for Phys Sci & Engineering I</i> CHEM 124 (4) * [B1 & B3]	<i>Project-Based Learning in LAES</i> LAES 301 (4) (MATH 241; PHYS 142, 143; GE Area A w/min C)	<i>Advanced Project-Based Learning in LAES</i> LAES 302 (4) (LAES 301)	<i>Senior Project in LAES</i> LAES 461 (4) (LAES 302; Sr Standing; Instr. Consent)	<i>Capstone Senior Seminar in LAES</i> LAES 462 (4) (LAES 461)
		<i>General Physics I</i> PHYS 141 (4) (MATH 141 w/min C-; MATH 142 or 182†)	<i>General Physics II</i> PHYS 142 (4) (PHYS 141; MATH 142 or 182)	<i>General Physics III</i> PHYS 143 (4) (PHYS 141; MATH 142; Rec: MATH 241)		Study Abroad or Global Perspectives (300-400 level) (4) *	Engineering ICS (4)¹ *	Engineering ICS (4)¹ *	Engineering ICS (4)¹ *	Engineering ICS (4)¹ *	Engineering ICS (4)¹ *
			Engineering ICS (4)¹ *	Engineering ICS (4)¹ *	Engineering ICS (4)¹ *			Engineering ICS (2)¹ *			
<i>Expository Writing</i> ENGL 133 or 134 (4)** [A2] Can be taken anytime during Freshman Year					Liberal Arts ICS (4)² *		Liberal Arts ICS (4)² *	Liberal Arts ICS (4)² *	Liberal Arts ICS (4)² *	Liberal Arts ICS (4)² *	Liberal Arts ICS (4)² *
<i>Oral Communication</i> COMS 101 or 102 (4)** [A1] Can be taken anytime during Freshman Year		<i>Reasoning, Argumentation, & Writing</i> [A3] COMS 126, 145, ENGL 145, 147, ES 145, PHIL 126, or WGQS 145 (4)** (Completion of GE A2 with a C- or better)						Liberal Arts ICS (4)² *			Liberal Arts ICS (4)² *
GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **	GE (4) **		GE (4) **	GE (4) **	
	GE (4) **		<i>1st Quarter ICMA</i>	<i>2nd Quarter ICMA</i>		Graduation Writing Requirement GWR* (Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)					Free Elective (2)
12	16	16	16	16	16	12	16	14	16	16	14
										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, Lower-Division C Elective, Upper-Division C, D1, D2, Upper-Division D, Lower-Division E, F, and GE Elective. Upper-Division B, Upper-Division C, and Upper-Division D should be taken only after Junior standing is reached (90 units). NOTE: Areas Upper-Division B, C1, and Upper-Division C may be fulfilled in concentration courses.

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: Upper-Division B, C1, Upper-Division C, D1, D2, Upper-Division D, or E. USCP may also be fulfilled in concentration.

† Course can be taken previously or concurrently.

¹ Engineering Concentration requires 34 units, minimum 12 units at 300-400 level.

² Liberal Arts Concentration requires 24 units, minimum 12 units at 300-400 level.

Legend:

Course Title		Major (64)
Course # (Units)		General Education (56)
(Prerequisite)		ENGR Concentration (34)
[GE Area]		LA Concentration (24)
		Free Electives (2)