

Updated 5/18/2015

FRESHMAN			SOPHOMORE			JUNIOR			SENIOR		
Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring	Fall	Winter	Spring
Intro. to the Environmental Engineering Profession ENVE 111 (1)	Computer Aided Drafting in Civil Engineering CE 113 (2) <small>(ENVE 111 or CE 112†)</small>		Engineering Statics ME 211 (3) <small>(MATH 241†, PHYS 131 or 141)</small>	Intro. to Environmental Engineering ENVE 331 (4) <small>(CHEM 125 or 128, MATH 242 or 244†)</small>	Environmental Fluid Mechanics ENVE 264 (4) <small>(MATH 241, PHYS 132, ME 211)</small>	Air Quality Engineering ENVE 325 (4) <small>(CHEM 125 or 128, Recom: ENVE 264)</small>	Intro. to Solid & Hazardous Waste Management ENVE 436 (4) <small>(ENVE 325 and 331)</small>	Environmental Health & Safety ENVE 455 (4) <small>(ENVE 331)</small>	Mass Transfer Operations ENVE 421 (4) <small>(ENVE 325, 331, ENVE 304 or ME 302, ENVE 264 or ME 341)</small>	Industrial Pollution Prevention ENVE 450 (4) <small>(ENVE 331)</small>	Water Chemistry & Water Quality Measurements ENVE 434 (4) <small>(CHEM 125 or 129, ENVE 330 or 331)</small>
	General Physics IA PHYS 141 (4) <small>(MATH 141 w/min C-; MATH 142† or 182†) [Add'l Area B]</small>	General Physics II PHYS 132 (4) <small>(PHYS 131 or HNRS 131 or PHYS 141)</small>	General Physics III PHYS 133 (4) <small>(PHYS 131 or HNRS 131 or PHYS 141; MATH 142, Recom: MATH 241)</small>	Noise & Vibration Control ENVE 309 (3) <small>(MATH 241, PHYS 132, ENGL 149†)</small>	Mechanics of Materials I CE 204 (3) <small>(ME 211)</small>	Mechanics of Materials II CE 207 (2) <small>(CE 204)</small>	Process Thermodynamics ENVE 304 (3) <small>(CHEM 125 or 129; ENVE 331)</small>	Air Pollution Control ENVE 411 (3) <small>(ENVE 304 or ME 302; ENVE 264 or ME 341; ENVE 325 & 331)</small>	Air Quality Measurements ENVE 426 (3) <small>(ENVE 325, CHEM 212/312, ENVE 264 or ME 341, STAT 312, ENGL 149)</small>	Approved Technical Elective (4) ***	Groundwater Hydraulics & Hydrology CE 434 (4) <small>(CE 336)</small>
Calculus I MATH 141 (4) * [B1]	Calculus II MATH 142 (4) <small>(MATH 141 w/min C-) [B1]</small>	Calculus III MATH 143 (4) <small>(MATH 142 w/min C-) [Add'l Area B]</small>	Calculus IV MATH 241 (4) <small>(MATH 143)</small>	Linear Analysis I MATH 244 (4) <small>(MATH 143)</small>	Statistical Methods for Engineers STAT 312 (4) <small>(MATH 142) [B6]</small>	Choose one: Microbiology MCR0 221 (4)* or General Microbiology I MCR0 224 (5)* [B2]	Water Resources Engineering CE 336 (4) <small>(ENVE 264 or ME 341, Concurrent: CE 337)</small>	Water & Wastewater Treatment Design ENVE 438 (3) <small>(ENVE 331; ME 341 or ENVE 264)</small>	Senior Project Design Laboratory I ENVE 466 (2) <small>(ENVE 436, 438, Sr. standing, CE 336†)</small>	Senior Project Design Laboratory II ENVE 467 (2) <small>(ENVE 466)</small>	Approved Technical Elective (4) ***
General Chemistry for Physical Science & Engineering I CHEM 124 (4) * [B3/B4]	General Chemistry for Physical Science & Engineering II CHEM 125 (4) <small>(CHEM 124)</small>	General Chemistry for Physical Science & Engineering III CHEM 126 (4) <small>(CHEM 125 w/min C-)</small>	Survey of Organic Chemistry CHEM 312 (5) <small>(CHEM 111, 124, or 127)</small>	Programming for Engineering Students CSC 231 (2) <small>(MATH 142; PHYS 121, 131, or 141)</small>	GE (4) **	GE (4) **	Hydraulics Laboratory CE 337 (1) <small>(ENVE 264 or ME 341, Concurrent: CE 336)</small>	Geotechnical Engineering CE 381 (4) <small>(CE 207; ENVE 264 or ME 341)</small>	Approved Technical Elective (4) ***	GE (4) **	GE (4) **
Expository Writing ENGL 133/134 (4)** [A1] <small>Can be taken anytime during Freshman Year</small>				GE (4) **			GE (4) **	GE (4) **	GE (4) **		
Oral Communication COMS 101/102 (4)** [A2] <small>Can be taken anytime during Freshman Year</small>											
	Technical Writing for Engineers ENGL 149 (4) [A3] <small>(Completion of GE A1 with a C- or better, Recommended: Completion of GE A2) Can be taken anytime between Winter of Freshman and Winter of Sophomore Years</small>										
Graduation Writing Requirement GWR* <small>(Students can attempt to fulfill the requirement after 90 earned units; students should complete the requirement before senior year)</small>											
13	18	16	16	17	15	14	16	18	17	14	16
										TOTAL:	190

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, C1, C2, C3, C4, D1, D2, D3, D4. C4 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, or D4.

*** To be selected in consultation with your academic advisor.

† Course can be taken previously or concurrently.

Legend:

Course Title	
Course # (Units)	Major (84)
(Prerequisite)	Support (66)
[GE Area]	General Ed. (40)