Updated 8/12/2014

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

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.

*** Technical elective form required and should be submitted prior to junior year. Technical elective units must total 11.

† Course can be taken previously or concurrently.

Legend:

Course Title
Course # (Units)
(Prerequisite)

[GE Area]

(yellow)	**Major (84)**
(orange)	**Support (66)**
(green)	**General Ed. (40)**

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