

- HONORS COLLEGE

CEMS 050 - CEMS First Year Seminar	1	HCOL 086 (D1/2) ¹ - HCOL Seminar	3
CHEM 031 - General Chemistry I	4	PHYS 031 - Physics for Engineers I	4
ENGR 002 - Graphical Communication	2	PHYS 030 - Prob. Solv. Session I [Optional]	[1]
FWIL (HCOL 085 - Seminar) ¹	3	QR: MATH 022 - Calculus II	4
QR: MATH 021 - Calculus I	4	SU: CE 003 - First Year Design Experience	2
QR: CS 021 - Computer Programming I	3	CHEM 032 - General Chemistry II	4

CE 010 - Geomatics	4	CE 001 - Statics	3
QR: MATH 121 - Calculus III	4	SU: CE 151 - Water & Wastewater Engr.	3
HCOL 185 (D1) ¹ - HCOL Seminar	3	QR: MATH 122 - Applied Linear Algebra	3
QR: STAT 143 - Statistics for Engineers	3	QR: MATH 271 - Appl Math for Engr & Sci	3
SU: CE 132 - Environmental Systems	3	General Education Elective ¹ (HCOL 186 Seminar)	3

CE 100 - Mechanics of Materials	3	ME 040 - Thermodynamics	3
CE 133 - Transportation Systems	3	CE 180 - Geotechnical Principles	3
GEOL 055 - Environmental Geology	4	CE 182 - Geotechnical Principles Lab	2
CE 160 - Hydraulics	3	CE 254 - Environmental Qual. Analysis	4
CE 162 - Hydraulics Lab	2	EE 075 - Electrical Circuits & Sensors	4
		CEMS 101 - HCOL Research Experience	1

SU: CE 134 - System Focused Design Engr	3	SU: CE 175 - Capstone Design	3
Env Engr Elective ²	3	Env Engr Elective ² (CE 194 - Thesis, w/ advisor approval)	3
HydroGeoPhys Design Elective ²	3	BioGeoChem Design Elective ²	3
Technical Elective ³ (CE 193 - Thesis)	3	General Education Elective ¹ (Social Science)	3
BIOL 001 - Principles of Biology	4	General Education Elective ¹ (Humanities)	3

1. University Requirements & General Education Electives: University Requirements include Diversity (D1/D2), Sustainability (SU), Quantitative Reasoning (QR) and Foundational Writing & Information Literacy (FWIL). At least 3 credits General Education Electives must be from the Humanities and at least 3 credits must be from the Social Sciences. Refer to the CEMS Program Electives for approved Humanities and Social Science elective courses (<https://www.uvm.edu/cems/cems-program-electives>).

2. Env Engr Electives: CE 218, CE 260, EMGT 201, all HydroGeoPhys and BioGeoChem Design Electives, and some CE 295 (Special Topics) courses (consult advisor).

HydroGeoPhys Design Electives: [CE 262](#), [CE 263](#), [CE 265](#), [CE 285](#), [CE 288](#), and some [CE](#) _____

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