

BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING - Honors College

Catalogue

Student: _____

Date: _____

2019-2020

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
ENGR 002 - Graphical Communication	2		HCOL 086 - First Yr Sem. (Diversity 1/2) ³	3	
CHEM 031 - General Chemistry I	4		PHYS 031 - Physics for Engineers I	4	
HCOL 085 - Pursuit of Knowledge ¹	3		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
MATH 021 - Calculus I	4		MATH 022 - Calculus II	4	
CS 020 - Programming for Engineers	3		CE 003 - Intro to Civil & Envir Engr ²	2	
ENGR 050 - First Year Engr Seminar ²	1		CHEM 032 - General Chemistry II	4	
<i>Total credits</i>	17		<i>Total credits</i>	17-18	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 010 - Geomatics	4		CE 001 - Statics	3	
MATH 121 - Calculus III	4		CE 132 - Environmental Systems	3	
BIOL 001/002 - Principles of Biology	4		ME 040 - Thermodynamics	3	
STAT 143 - Statistics for Engineers	3		MATH 271 - Appl Math for Engr & Sci	3	
HCOL 185 - Soph Sem. (Diversity 1) ³	3		MATH 122 - Applied Linear Algebra	3	
			HCOL 186 - Soph Sem.	3	
<i>Total credits</i>	18		<i>Total credits</i>	18	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 100 - Mechanics of Materials	3		EE 075 - Electrical Circuits & Sensors	4	
CE 133 - Transportation Systems	3		CE 180 - Geotechnical Principles	3	
CE 151 - Water & Wastewater Engr.	3		CE 182 - Geotechnical Principles Lab	2	
CE 160 - Hydraulics	3		CE 254 - Environmental Qual. Analysis	4	
CE 162 - Hydraulics Lab	2		GEOL 001 or PSS 161 (Fund. of Soil Sci.)	4	
Gen Ed Elective ³	3		CEMS 101 - HCOL Research Exp.	1	
<i>Total credits</i>	17		<i>Total credits</i>	18	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 185 - Capstone Design I	3		CE 186 - Capstone Design II	3	
HydroGeoPhys Design Elective ⁴	3		BioGeoChem Design Elective ⁶	3	
Env Engr Elective ⁵	3		Env Engr Elective ⁵	3	
CE 193 - Honors Thesis	3		CE 194 - Honors Thesis	3	
Gen Ed Elective ³	3				
<i>Total credits</i>	15		<i>Total credits</i>	12	

Minimum Total Credits Required for Degree: 128

1. Foundational Writing and Information Literacy (FWIL) is a University requirement. Students must take either ENGS 001 or HCOL 085 (only for students enrolled in the Honors College). Students transferring from the College of Arts and Sciences can use a TAP class to fulfill this requirement.

2. [CE 003](#) & [ENGR 050](#) are degree requirements designed for first-year students. Internal and external transfer students may substitute 100-level or higher engineering (BME, CE, EE, ENGR, ME) credits for these requirements.

3. Required General Education (GenEd) Electives: 9 credits of approved GenEd electives. Students must also take one three-credit D1 course and a second three-credit D1 or D2 course, per University Diversity Requirement.

4. HydroGeoPhys Design Electives: [CE 261](#), [CE 262](#), [CE 265](#), [CE 284](#), [CE 285](#), [CE 288](#) and some [CE 295](#) (Special Topics) courses (consult advisor).

5. Env Engr Electives: [CE 218](#), [CE 220](#), [CE 226](#), [CE 250](#), [CE 259](#), [CE 260](#), all HydroGeoPhys and BioGeoChem Design Electives and some [CE 295](#) (Special Topics) courses (consult advisor).

6. BioGeoChem Design Electives: [CE 247](#), [CE 251](#), [CE 253](#), [CE 255](#), [CE 256](#) and some [CE 295](#) (Special Topics) courses (consult advisor).

N.B. The University's Sustainability (SU) and Quantitative Reasoning (QR) requirements are built into the Environmental Engineering curriculum.

This document is an advising tool and should be used in combination with a student's degree audit, as well as the published Catalogue for 2019-2020 found at <http://catalogue.uvm.edu/>