BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING **Catalogue 2020-2021**

Student: **Date:**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 050 - CEMS First Year Seminar[1]	1		CS 021 - Computer Programming I (QR)	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 [opt]	[1]	
FWIL (ENGS 001/TAP/HCOL 085)[2]	3		MATH 022 - Calculus II	4	
MATH 021 - Calculus I	4		CE 003 - First Year Design Experience[1]	2	
General Education Elective[3]	3		CHEM 032 - General Chemistry II	4	
Total credits	*17*		*Total credits*	*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 151 - Water & Wastewater Engr.	3	
BIOL 001 - Principles of Biology	4		GEOL 055 - Environmental Geology	4	
STAT 143 - Statistics for Engineers	3		MATH 271 - Appl Math for Engr & Sci	3	
CE 132 - Environmental Systems	3		MATH 122 - Applied Linear Algebra	3	
Total credits	*18*		*Total credits*	*16*	

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	
ME 040 - Thermodynamics	3		CE 182 - Geotechnical Principles Lab	2	
CE 160 - Hydraulics	3		CE 254 - Environmental Qual. Analysis	4	
CE 162 - Hydraulics Lab	2		General Education Elective[3]	3	
Diversity 1 or 2[3]	3				
Total credits	*17*		*Total credits*	*16*	

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	
Sci/Tech Elective[7]	3		General Education Elective[3]	3	
Diversity 1[3]	3				
Total credits	*15*		*Total credits*	*12*	

Minimum Total Credits Required for Degree: 128

1. CEMS 050 & CE 003 are degree requirements designed for first-year students. Internal and external transfer students may substitute 100-level or higher engineering (BME, CE, EE, EMGT, ENGR, ME) credits for these requirements.
2. 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.
3. University & CEE General Education Requirements include: 15 credits of approved General Education (GenEd) electives including one 3-credit D1 course, a second 3-credit D1 or D2 course, and 3 credits each of Humanities and Social Sciences.
4. HydroGeoPhys Design Electives: CE 262, CE 263, CE 265, CE 285, CE 288, and some CE 295 (Special Topics) courses (consult faculty advisor).
5. Env Engr Electives: CE 218, CE 250, CE 260, EMGT 201, all HydroGeoPhys and BioGeoChem Design Electives, and some CE 295 (Special Topics) courses (consult advisor).
6. BioGeoChem Design Electives: CE 247, CE 253, CE 255, CE 256, and some CE 295 (Special Topics) courses (consult faculty advisor).
7. Science/Technical Elective: ME 042 or any 100-level or higher course in Engineering (BME, CE, EE, EMGT, ENGR, ME) or Science (BIOL, CHEM, GEOL, PHYS) or PSS 161, PSS 264, PSS 268, or PSS 269 or NR 288, NR 289.

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 2020-2021 found at http://catalogue.uvm.edu/