

BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Catalogue

Student: _____

Date: _____

2020-2021

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 1500 - CEMS First Year Seminar ¹	1		CS 1210 - Computer Programming I (QR)	3	
CHEM 1400 - General Chemistry I	4		PHYS 1500 - Physics for Engineers I	4	
ENGR 1020 - Graphical Communication	2		PHYS 1510 - Prob. Solv. Session I [opt]	[1]	
WIL (ENGS 1001/HCOL 1000) ²	3		MATH 1248 - Calculus II	4	
MATH 1234 - Calculus I	4		CEE 1000 - Intro to Civil and Envir Engr ¹	2	
General Education Elective ³	3		CHEM 1450 - 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
CEE 2000 - Geomatics	4		CEE 1100 - Statics	3	
MATH 2248 - Calculus III	4		CEE 3510 - Water & Wastewater Engr.	3	
BIOL 1400 - Principles of Biology	4		GEOL 1400 - Environmental Geology	4	
STAT 2430 - Statistics for Engineers	3		MATH 3201 - Appl Math for Engr & Sci	3	
CEE 2120 - Environmental Systems	3		MATH 2522 - Applied Linear Algebra	3	
<i>Total credits</i>	18		<i>Total credits</i>	16	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 2100 - Mechanics of Materials	3		EE 2175 - Electrical Circuits & Sensors	4	
CEE 3400 - Transportation Systems	3		CEE 3800 - Geotechnical Principles	3	
ME 1210 - Thermodynamics	3		CEE 3810 - Geotechnical Principles Lab	2	
CEE 3600 - Hydraulics	3		CEE 3530 - Environmental Qual. Analysis	4	
CEE 3610- Hydraulics Lab	2		General Education Elective ³	3	
Diversity 1 or 2 ³	3				
<i>Total credits</i>	17		<i>Total credits</i>	16	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 4950 - Capstone Design I	3		CEE 4950 - 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				
<i>Total credits</i>	15		<i>Total credits</i>	12	

Minimum Total Credits Required for Degree: 128

- 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.
 - 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.
 - 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.
 - HydroGeoPhys Design Electives: [CE 262](#), [CE 263](#), [CE 265](#), [CE 285](#), [CE 288](#), and some [CE 295](#) (Special Topics) courses (consult faculty advisor).
 - 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).
 - BioGeoChem Design Electives: [CE 247](#), [CE 253](#), [CE 255](#), [CE 256](#), and some [CE 295](#) (Special Topics) courses (consult faculty advisor).
 - Science/Technical Elective: [ME 042](#) or any 100-level or higher course in Engineering (BME, CE, EE, EMGT [except EMGT 170], 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/>