

BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING

Catalogue

Student: _____

Date: _____

2022-2023

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 1500 - CEMS First Year Seminar	1		QD: CS 1210 - Computer Programming I	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 [Optional]	[1]	
WIL: (ENGL 1001, HCOL 1000) ¹	3		QD: MATH 1248 - Calculus II	4	
QD: MATH 1234 - Calculus I	4		SU: CEE 1000 - Intro to Civil & Envir Engr	2	
Diversity 1 or 2 ¹ (D1/D2)	3		CHEM 1450 - General Chemistry II	4	
Total credits	17		Total credits	17-18	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 2000 - Geomatics	4		CEE 1150 or CEE 1160	3	
QD: MATH 2248 - Calculus III	4		SU: CEE 3510 - Water & Wastewater Engr.	3	
BIOL 1400 - Principles of Biology	4		QD: MATH 2522 - Applied Linear Algebra	3	
QD: STAT 2430 - Statistics for Engineers	3		QD: MATH 3201 - Adv Engineering Mathematics	3	
SU: CEE 2120 - Environmental Systems	3		EE 2175 - Electrical Circuits & Sensors	4	
Total credits	18		Total credits	16	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
SU: CEE 2130 - System Focused Design Engr	3		ME 1210 - Thermodynamics	3	
CEE 3400 - Transportation Systems	3		CEE 3800 - Geotechnical Principles	3	
GEOL 1400 - Environmental Geology	4		CEE 3810 - Geotechnical Principles Lab	2	
CEE 3600 - Hydraulics	3		CEE 3530 - Environmental Qual. Analysis	4	
CEE 3610 - Hydraulics Lab	2		Diversity 1 ¹ (D1)	3	
Total credits	15		Total credits	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
Env Engr Elective ²	3		SU: CEE 4950 - Capstone Design	3	
Env Engr Elective ²	3		Env Engr Elective ²	3	
HydroGeoPhys Design Elective ²	3		BioGeoChem Design Elective ²	3	
Science/Tech Elective ³	3		General Education Elective ¹ (Social Science)	3	
General Education Elective ¹ (Humanities)	3		General Education Elective ¹		
Total credits	15		Total credits	15	

Minimum Total Credits Required for Degree: 128

Utilize degree audit or re-numbering widget (https://aisweb1.uvm.edu/pls/owa_prod/hwwkwcrct.P_Select_Crse) to confirm courses.

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: CEE 5980, EMGT 3051, all HydroGeoPhys and BioGeoChem Design Electives, and some CE 3990 (Special Topics) courses (consult advisor).

HydroGeoPhys Design Electives: CEE 5620, CEE 263, CEE 5850, CEE 6800 and some CEE 3990 (Special Topics) courses (consult faculty advisor).

BioGeoChem Design Electives: CEE 4570, CEE 5430, CEE 5550, CEE 5560, and some CEE 3990 (Special Topics) courses (consult faculty advisor).

3. Science/Technical Elective: ME 1220 or any 100-level or higher course in Engineering (BME, CE, EE, EMGT [except EMGT 2041], ENGR, ME) or Science (BIOL, CHEM, GEOL, PHYS) or PSS 2610, PSS 3640, PSS 3680 or PSS 3690 or NR 3880, NR 4880.

N.B. CEE 2130 must be taken before or together with CEE 4950. CEE 4950 - the capstone experience is to be taken in the last or second-last semester before graduation and should not be taken until after four of the following five courses are completed: CEE 3400, CEE 3510, CEE 3600, CE 3800, and CE 3530. The remaining fifth course can be taken in the same semester as CEE 4950 .

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 2022-2023 found at <http://catalogue.uvm.edu/>