

**BACHELOR OF SCIENCE IN ENVIRONMENTAL ENGINEERING**

Catalogue

Student: \_\_\_\_\_

Date: \_\_\_\_\_

2023 - 2024

netID: \_\_\_\_\_

Advisor: \_\_\_\_\_

**Year 1**

Semester 1	Cr	Status	Semester 2	Cr	Status
MA: MATH 1234 - Calculus I*	4		MA: MATH 1248 - Calculus II* <i>MATH 1234</i>	4	
N2, QD: CHEM 1400 - General Chemistry 1	4		N2, QD: PHYS 1500 - Physics for Engineers I <i>MATH 1234</i>	4	
CEMS 1500 - CEMS First Year Seminar	1		PHYS 1510 - Physics Problem Solving I [Optional]	[1]	
ENGR 1020 - Graphical Communication	2		SU: CEE 1000 - Intro to Civil & Envir Engr	2	
Catamount Core (WIL1): ENGL 1001 - Written Expression	3		QD: CS 1210 - Computer Programming I	3	
Catamount Core (AH Arts & Humanities)	3		Catamount Core (Diversity 1 or Diversity 2)	3	
<i>Total credits</i>	17		<i>Total credits</i>	16-17	

**Year 2**

Semester 1	Cr	Status	Semester 2	Cr	Status
SU: CEE 2120 - Environmental Systems* <i>CHEM 1400; MATH 1234</i>	3		SU: CEE 3510 - Water Quality Engineering <i>CEE 2120</i>	3	
CEE 2000 - Geomatics <i>MATH 1234</i>	4		CEE 3415 - Transportation Climate Environ <i>Pre/Coreq: CEE 2000</i>	3	
MA: MATH 2248 - Calculus III <i>MATH 1248</i>	4		QD: STAT 2430 - Statistics for Engineering <i>MATH 1234</i>	3	
CEE 1150 - Applied Mechanics* <i>MATH 1248; PHYS 1500</i>	3		MA: MATH 2522 - Applied Linear Algebra <i>MATH 1248</i>	3	
N2: BIOL 1400 - Principles of Biology 1	4		N2: GEOL 1400 - Environmental Geology	4	
<i>Total credits</i>	18		<i>Total credits</i>	16	

**Year 3**

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 3520 - Env Eng Chemistry & Microbio <i>CEE 3510</i>	3		CEE 3530 - Environmental Quanti. Analysis <i>CEE 2120; STAT 2430; Pre/Coreq: CEE 3510</i>	4	
CEE 3615 - Hydraulics for Environ Engrng <i>MATH 2248; CEE 1150; Pre/Coreq: CS 1210</i>	3		CEE 3815 - Geoenvironmental Engineering <i>CEE 1150</i>	3	
CEE 3610 - Hydraulics Lab <i>Coreq: CEE 3615</i>	2		SU: CEE 2130 - System Focused Design Engr <i>STAT 2430</i>	3	
ME 1210 - Thermodynamics <i>MATH 1248; PHYS 1500; CHEM 1400</i>	3		EE 2175 - Electrical Circuits & Sensors <i>MATH 1248</i>	4	
MATH 3201 - Adv Engineering Mathematics <i>MATH 2248; Coreq: MATH 2522</i>	3		Catamount Core (Diversity 1)	3	
CEE 1900 - Career Preparation	1				
<i>Total credits</i>	15		<i>Total credits</i>	17	

**Year 4**

Semester 1	Cr	Status	Semester 2	Cr	Status
Design Elective	3		GC2, SU, WIL2: CEE 4950 - Capstone Design	3	
Environmental Engineering Elective	3		Design Elective	3	
Environmental Engineering Elective	3		Environmental Engineering Elective	3	
CEE/Science/Technical Elective	3		Catamount Core (S1 Social Science)	3	
Catamount Core (S1 Social Science)	3		Catamount Core (AH Arts & Humanities)	3	
<i>Total credits</i>	15		<i>Total credits</i>	15	

**Minimum Total Credits Required for Degree: 129**

**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 2023-2024 found at <http://catalogue.uvm.edu/>**

**Prerequisite courses** are listed below the course name in italics. Prerequisites listed are only for courses, as relevant to your specific degree program, and may have other registration restrictions. Please refer to the catalogue.

\* Grade of C- or higher required

Design Elective: Please refer to your degree audit to see course options.

Environmental Engineering Elective: Please refer to your degree audit to see course options.

CEE/Science/Technical Elective: Any 2000-level or higher course in CEE as well as BME, EE, ENGR, EMGT (except EMGT 2041), ME or Science (BIOL, CHEM, GEOL, PHYS, MMG).

**Catamount Core:** Students may take courses that fulfill more than one Catamount Core requirement, but they must still take at least 40 unique credits of courses that have been approved to fulfill Catamount Core requirements. It is possible that a single course can be counted toward more than one category. A minimum of 12 credits must be on D1/D2, AH1/AH2, and S1 courses. Up to 6 credits could then be applied to Free Electives (e.g. internship, toward minor, toward double major, etc.)