

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Catalogue

Student: _____

Date: _____

2025 - 2026

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
MA: MATH 1234 - Calculus I*	4		MA: MATH 1248 - Calculus II*	4	
N2, QD: CHEM 1400 - General Chemistry 1	4		MATH 1234 N2, QD: PHYS 1500 - Physics for Engineers I	4	
CEMS 1500 - CEMS First Year Seminar	1		MATH 1234 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
CEE 1100 - Statics*	3		SU: CEE 2120 - Environmental Systems*	3	
MATH 1248; PHYS 1500			CHEM 1400; MATH 1234		
MA: MATH 2248 - Calculus III	4		ME 1120 - Dynamics	3	
MATH 1248			CEE 1100; MATH 2248		
CEE 2000 - Geomatics	4		MATH 3201 - Adv Engineering Mathematics	3	
MATH 1234			MATH 2248; Coreq: MATH 2522		
QD: STAT 2430 - Statistics for Engineering	3		MA: MATH 2522 - Applied Linear Algebra	3	
MATH 1234			MATH 1248		
Basic Science Elective (other than Physics and Chemsitry)	3		EE 2175 - Electrical Circuits & Sensors	4	
			MATH 1248		
<i>Total credits</i>	17		<i>Total credits</i>	16	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 2100 - Mechanics of Materials	3		CEE 3010 - Materials and Structures Lab	3	
CEE 1100; Pre/Coreq: MATH 2248			Pre/Coreq: CEE 2100; Coreq: CEE 3700		
SU: CEE 2130 - System Focused Design Engr	3		CEE 3700 - Structural Analysis	3	
STAT 2430			CS 1210; Pre/Coreq: MATH 2522; CEE 2100		
CEE 3800 - Geotechnical Engineering	3		CEE 3600 - Hydraulics	3	
CEE 1100 or CEE 1150; Coreq: CEE 2100			MATH 2248; CEE 1100 or CEE 1150; Pre/Coreq: CS 1210		
CEE 3810 - Geotechnical Principles Lab	2		CEE 3610 - Hydraulics Lab	2	
Coreq: CEE 2100; CEE 3800			Coreq: CEE 3600		
CEE 3400 - Transportation Systems	3		Catamount Core (AH Arts & Humanities)	3	
Pre/Coreq: CEE 2000					
SU: CEE 3510 - Water Quality Engineering	3		Catamount Core (S1 Social Science)	3	
CEE 2120					
CEE 1900 - Career Preparation	1				
<i>Total credits</i>	18		<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	
Design Elective	3		CEE Elective	3	
CEE Elective	3		CEE Elective	3	
CEE/Science/Technical Elective	3		Catamount Core (Diversity 1)	3	
Catamount Core (S1 Social Science)	3				
<i>Total credits</i>	15		<i>Total credits</i>	12	

Minimum Total Credits Required for Degree: 128

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 2025-2026 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.

CEE 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.)