BACHELOR OF SCIENCE IN CIVIL ENGINEERING **Catalogue 2022-2023**

Student: **Date:**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 1500 - CEMS First Year Seminar	1		SU: CEE 1000 - Intro to Civil & Envir Engr	2	
CHEM 1400 - General Chemistry I	4		QD: CS 1210 - Computer Programming I	3	
ENGR 1020 - Graphical Communication	2		QD: MATH 1248 - Calculus II	4	
WIL: (ENGL 1001, HCOL 1000)[1]	3		PHYS 1510 - Prob. Solv. Session I [Optional]	[1]	
QD: MATH 1234 - Calculus I	4		PHYS 1500 - Physics for Engineers I	4	
General Education Elective[1]	3		Diversity 1 or 2[1] (D1/D2)	3	
Total credits	*17*		*Total credits*	*16-17*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 1100 - Statics	3		ME 1120 - Dynamics	3	
CEE 2000 - Geomatics	4		SU: CEE 2120 - Environmental Systems	3	
QD: MATH 2248 - Calculus III	4		QD: MATH 3201 - Adv Engineering Math	3	
QD: STAT 2430 - Statistics for Engineers	3		QD: MATH 2522 - Applied Linear Algebra	3	
Diversity 1[1] (D1)	3		EE 2175 - Electrical Circuits & Sensors	4	
Total credits	*17*		*Total credits*	*16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 2100 - Mechanics of Materials	3		CEE 3010 - Materials & Structures lab	3	
CEE 3400 - Transportation Systems	3		CEE 3700 - Structural Analysis I	3	
CEE 3600 - Hydraulics	3		CEE 3800 - Geotechnical Engineering	3	
CEE 3610 - Hydraulics Lab	2		CEE 3810 - Geotechnical Principles Lab	2	
SU: CEE 3510 - Water & Wastewater Engr	3		SU: CEE 2130 - System Focused Design Engr	3	
General Education Elective[1] (Social Science)	3				
Total credits	*17*		*Total credits*	*14*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
GEOL 1050, BIOL 1400 or BIOL 1450	4		SU: CEE 4950 - Capstone Design	3	
CEE Design Elective: 4720, 4730, 4410, 4810, 4860	3		CEE Design Elective[3]	3	
Technical Elective[2]	3		CEE Elective[4]	3	
CEE Design Elective[2]	3		CEE Elective[4]	3	
General Education Elective[1] (Humanities)	3		CEE Elective[4]	3	
Total credits	*16*		*Total credits*	*15*	

Minimum Total Credits Required for Degree: 128

Ultilize degree audit or re-numbering widget (bit.ly/UVMWidget) 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. Technical Elective: All 100 level or above courses in engineering (BME, CE, EE, EMGT [except EMGT 170], ENGR, ME).
3.DesignElectives: CEE 2130, CEE 4720, CEE 4730, CEE 4710, CEE 4410,CEE 4570, CEE 5430, CEE 5550, CEE 5620, CEE 5630,CEE 4650, CEE 5730, CEE 4810, CEE 5850, CEE 4860, CEE 6880, and some CEE 3990 (Special Topic) courses (consult advisor). At least one design elective must be from CEE 4720, CEE 4730, CEE 4410, CEE 4810, and CEE 4860.
4. CE Electives: Any 200-level CE course, CEE 4720, CEE 4730, and EMGT 3051.

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/