BACHELOR OF SCIENCE IN CIVIL ENGINEERING - HONORS COLLEGE **Catalogue 2020-2021**

Student: **Date:**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 050 - CEMS First Year Seminar[1]	1		CE 003 - First Year Design Experience[1]	2	
CHEM 031 - General Chemistry I	4		HCOL 086 (D1/2)[3] - HCOL Seminar	3	
ENGR 002 - Graphical Communication	2		MATH 022 - Calculus II	4	
HCOL 085[1] - The Pursuit of Knowledge	3		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
MATH 021 - Calculus I	4		PHYS 031 - Physics for Engineers I	4	
CS 021 - Computer Programming I (QR)	3		General Education Elective[3]	3	
Total credits	*17*		*Total credits*	*16-17*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 001 - Statics	3		HCOL 186[3] - HCOL Seminar	3	
CE 010 - Geomatics	4		CE 132 - Environmental Systems	3	
MATH 121 - Calculus III	4		MATH 271 - Appl. Math. for Engr. & Sci.	3	
STAT 143 - Statistics for Engineers	3		MATH 122 - Applied Linear Algebra	3	
HCOL 185 (D1)[3] - HCOL Seminar	3		EE 075 - Electrical Circuits & Sensors	4	
Total credits	*17*		*Total credits*	*16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 100 - Mechanics of Materials	3		CE 101 - Materials & Structures lab	3	
CE 133 - Transportation Systems	3		GEOL 001, BIOL 001 or BIOL 002	4	
CE 160 - Hydraulics	3		CE 170 - Structural Analysis I	3	
CE 162 - Hydraulics Lab	2		CE 180 - Geotechnical Engineering	3	
CE 151 - Water & Wastewater Engr	3		CE 182 - Geotechnical Principles Lab	2	
ME 012 - Dynamics	3		CEMS 101 - HCOL Research Experience	1	
Total credits	*17*		*Total credits*	*16*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CE 185 - Capstone Design I	3		CE 186 - Capstone Design II	3	
CE 193 - Honors Thesis	3		CE 194 - Honors Thesis	3	
CE Design Elective[4]	3		CE Design Elective[4]	3	
CE Design Elective[4]	3		CE Elective[5]	3	
CE Elective[5]	3		CE Elective[5]	3	
General Education Elective[3]	3				
Total credits	*18*		*Total credits*	*15*	

Minimum Total Credits Required for Degree (with Honors): 132

1. 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.
2. 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.
3. 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.
4. Design Electives: CE 172, CE 173, CE 241, CE 247, CE 253, CE 255, CE 256, CE 262, CE 263, CE 265, CE 273, CE 285, CE 286, CE 288 and some CE 295 (Special Topics) courses (consult advisor). At least one design elective must be from CE 172, CE 173, CE 241, and CE 286.
5. CE Electives: Any 200-level CE course, CE 172, CE 173, and EMGT 201.

N.B. The University's Sustainability (SU) and Quantitative Reasoning (QR) requirements are built into the Civil 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/