BACHELOR OF SCIENCE IN ENGINEERING - HONORS COLLEGE

Catalogue

Student:

Date:

2022-2023

netID:

Advisor:

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CHEM 031 - General Chemistry I	4		BME 010, CE 003, EE 001, or ME 001 - First Year Design Experience	2	
FWIL (HCOL 085 - Seminar)[1]	3		PHYS 031 - Physics for Engineers I	4	
ENGR 002 - Graphical Communication	2		PHYS 030 - Prob. Solv. Session I [Optional]	[1]	
CEMS 050 - CEMS First Year Seminar	1		QR: MATH 022 - Calculus II	4	
QR: CS 021 - Computer Programming I	3		HCOL 086 (D1/2)[1] - HCOL Seminar	3	
QR: MATH 021 - Calculus I	4		Free Elective	3	
Total credits	*17*		*Total credits*	*16-17*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 020, EE 075, or EE 100	4		HCOL 186 (SU)[1] - HCOL Seminar	3	
HCOL 185 (D1)[1] - HCOL Seminar	3		ME 040 - Thermodynamics	3	
CE 001 - Statics	3		QR: MATH 124 - Linear Algebra	3	
QR: MATH 121 - Calculus III	4		QR: MATH 271 - Appl Math for Engr & Sci	3	
PHYS 125 - Physics for Engineers II	3		QR: STAT 143 Statistics for Engineers or QR: STAT 151 Applied Probability	3	
PHYS 123 - Prob. Solv. Session II [Optional]	[1]				
Total credits	*17-18*		*Total credits*	*15*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
Engineering Science Elective[2]	3		Engineering Science Elective[2]	3	
Engineering Science Elective[2]	3		Engineering Science Elective[2]	3	
Engineering Science Elective[2]	3		Engineering Science Elective[2]	3	
General Education Elective[1] (Humanities)	3		Technical Elective[3]	3	
Technical Elective[3]	3		General Education Elective[1] (Social Science)	3	
CEMS 101 - HCOL Research Experience	1		CEMS 102 - HCOL Research Experience	1	
Total credits	*16*		*Total credits*	*16*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
Engineering Science Elective[2]	3		Engineering Science Elective[2] (2XX)	3	
Engineering Science Elective[2] (2XX)	3		Engineering Science Elective[2] (2XX)	3	
Technical Elective[3] (CE/ME/EE/BME 193 - Thesis)	3		Technical Elective[3] (CE/ME/EE/BME 194 - Thesis)	3	
CE 134, ME 185 or BME/EE 187 - Capstone Design[4]	3		CE 175, ME 186 or BME/EE 188 - Capstone Design[4]	3	
Free Elective	3				
Total credits	*15*		*Total credits*	*12*	

Minimum Total Credits Required for Degree: 122

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. Engineering Science Electives: All BME, CE, EE, ENGR, ME and EMGT courses (except ENGR 010). Must have a minimum of 9 credits at the 200-level.

3. Technical Electives: Any 100-level or higher course in CEMS or BSAD; natural sciences courses with advisor approval. BSE students may not double count BSAD courses as both Tech Electives and Gen Ed.

4. Capstone Design I and II courses must have the same course prefix, choose: CE 134 & 175 or EE 187 & 188 or ME 185 & 186 or BME 187 & 188.

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/