

Student: _____

Date: _____

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 050 - CEMS First Year Seminar ¹	1		BME 010 ¹ - BME Design 0	2	
CHEM 031 - General Chemistry I	4		BHSC 034 - Human Cell Biology	4	
ENGR 002 - Graphical Communication	2		MATH 022 - Calculus II	4	
HCOL 085 ¹ - The Pursuit of Knowledge	3		MATH 120 - Eng Math Linear Algebra Lab	1	
CS 021 - Computer Programming I (QR)	3		PHYS 030 - Prob Solv Session I [Opt]	[1]	
MATH 021 - Calculus I	4		PHYS 031 - Physics for Engineers I	4	
			HCOL 086 (D1/2) ³ - HCOL Seminar	3	
<i>Total credits</i>	17		<i>Total credits</i>	18-19	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
ANPS 019 - Human Anatomy & Physiology	4		ANPS 020 - Human Anatomy & Physiology	4	
BME 011 - Core 1: Biomechanics & Sensing	6		BME 012 - Core 2: Materials & Transport	6	
BME 013 - BME Design 1	1		BME 014 - BME Design 2	1	
MATH 121 - Calculus III	4		HCOL 186 (SU) ³ - HCOL Seminar	3	
HCOL 185 (D1) ³ - HCOL Seminar	3		MATH 271 - Adv Engineering Mathematics	3	
<i>Total credits</i>	18		<i>Total credits</i>	17	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
BME 111 - Core 3: Systems & Signals	6		General Education Elective ³ (Social Science)	3	
BME 112 - BME Design 3	2		BME Engineering Elective(2XX) ⁵	3	
STAT 143 - Statistics for Engineering	3		Math/Sci Elective ⁴	3	
Math/Sci Elective ⁴	3		BME Specialization Elective(2XX) ⁶	3	
Free Elective	3		Free Elective	3	
			CEMS 101 - HCOL Research Experience	1	
<i>Total credits</i>	17		<i>Total credits</i>	16	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
General Education Elective ³ (Humanities)	3		BME Specialization Elective(2XX) ⁶	3	
BME Specialization Elective(2XX) ⁶	3		BME 186 - BME Capstone Design II	3	
BME 185 - BME Capstone Design I	3		BME Engineering Elective(2XX) ⁵	3	
BME Engineering Elective(2XX) ⁵	3		BME 194 - Honors Thesis ⁵	3	
BME 193 - Honors Thesis ⁵	3				
<i>Total credits</i>	15		<i>Total credits</i>	12	

Minimum Total Credits Required for Degree (with Honors): 130

1. BME 010 & CEMS 050 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. BME General Education: At least 3 credits must be from the Humanities and at least 3 credits must be from the Social Sciences. Students who don't meet the University sustainability requirement (SU) by taking an engineering or technical course approved for SU should meet this requirement with an SU-approved Gen Ed Elective.
 4. Math/Science Elec: Any MATH, STAT, CHEM, PHYS, BIO, BHSC or other science course that has a prerequisite of one of the foundational math or science courses.
 5. BME Engineering Elec: Any engineering course at the OXX or higher level. At least 9 credits must be BME courses at the 200-level or above.
 6. BME Specialization Elec: ENGR, MATH/STAT, CS, physical or life science courses at the 100-level or above. At least 9 credits must be at the 200-level or above.
- N.B. The University's Quantitative Reasoning (QR) requirement is built into the Biomedical Engineering curriculum. The University's Sustainability (SU) requirement may be fulfilled by taking an engineering or technical course approved for SU, an SU-approved GenEd Elective or a free elective.

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/>