

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	
FWIL (ENGS 001/TAP/HCOL 085) ²	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	
<i>Total credits</i>	17		<i>Total credits</i>	15-16	

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		Diversity 1 ³	3	
STAT 143 - Statistics for Engineering	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 ⁵	3	
BME Engineering Elective ⁵	3		BME Specialization Elective ⁶	3	
Diversity 1 or 2 ³	3		BME Specialization Elective ⁶	3	
General Education Elective ³ (SU)	3		Free Elective	3	
<i>Total credits</i>	17		<i>Total credits</i>	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
General Education Elective ³ (Humanities)	3		BME Specialization Elective ⁶	3	
BME Specialization Elective ⁶	3		Free Elective	3	
BME 185 - BME Capstone Design I	3		BME 186 - BME Capstone Design II	3	
BME Engineering Elective ⁵	3		BME Engineering Elective ⁵	3	
Math/Sci Elective ⁴	3		Math/Sci Elective ⁴	3	
<i>Total credits</i>	15		<i>Total credits</i>	15	

Minimum Total Credits Required for Degree: 129

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/>

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Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 1500 - CEMS First Year Seminar ¹	1		BME 1600 ¹ - BME Design 0	2	
CHEM 1400 - General Chemistry I	4		BHSC 1340 - Human Cell Biology	4	
ENGR 1020 - Graphical Communication	2		MATH 1248 - Calculus II	4	
WIL (ENGL 1001/HCOL 1000) ²	3		MATH 2500 - Eng Math Linear Algebra Lab	1	
CS 1210 - Computer Programming I (QR)	3		PHYS 1510 - Prob Solv Session I [Opt]	[1]	
MATH 1234 - Calculus I	4		PHYS 1500 - Physics for Engineers I	4	
Total credits	17		Total credits	15-16	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
ANPS 1190 - Human Anatomy & Physiology	4		ANPS 1200 - Human Anatomy & Physiology	4	
BME 2000 - Core 1: Biomechanics & Sensing	6		BME 2050 - Core 2: Materials & Transport	6	
BME 2600 - BME Design 1	1		BME 2650 - BME Design 2	1	
MATH 2248 - Calculus III	4		Diversity 1 ³	3	
STAT 2430 - Statistics for Engineering	3		MATH 3201 - Adv Engineering Mathematics	3	
Total credits	18		Total credits	17	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
BME 3000 - Core 3: Systems & Signals	6		General Education Elective ³ (Social Science)	3	
BME 3600 - BME Design 3	2		BME Engineering Elective ⁵	3	
BME Engineering Elective ⁵	3		BME Specialization Elective ⁶	3	
Diversity 1 or 2 ³	3		BME Specialization Elective ⁶	3	
General Education Elective ³ (SU)	3		Free Elective	3	
Total credits	17		Total credits	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
General Education Elective ³ (Humanities)	3		BME Specialization Elective ⁶	3	
BME Specialization Elective ⁶	3		Free Elective	3	
BME 4600 - BME Capstone Design I	3		BME 4650 - BME Capstone Design II	3	
BME Engineering Elective ⁵	3		BME Engineering Elective ⁵	3	
Math/Sci Elective ⁴	3		Math/Sci Elective ⁴	3	
Total credits	15		Total credits	15	

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