

Student: \_\_\_\_\_

Date: \_\_\_\_\_

2020-2021

netID: \_\_\_\_\_

Advisor: \_\_\_\_\_

**Year 1**

Semester 1	Cr	Status	Semester 2	Cr	Status
CHEM 031 - General Chemistry I	4		BME 010/CE 003/EE 001/ME 001 - First Year Design Experience <sup>2</sup>	2	
HCOL 085 <sup>1</sup> - The Pursuit of Knowledge	3		PHYS 031 - Physics for Engineers I	4	
ENGR 002 - Graphical Communication	2		PHYS 030 - Prob. Solv. Session I [opt]	[1]	
CEMS 050 - CEMS First Year Seminar <sup>2</sup>	1		MATH 022 - Calculus II	4	
General Education Elective <sup>3</sup>	3		HCOL 086 <sup>3</sup> - HCOL Seminar	3	
MATH 021 - Calculus I	4		CS 021 - Computer Programming I (QR)	3	
<i>Total credits</i>	<i>17</i>		<i>Total credits</i>	<i>16-17</i>	

**Year 2**

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

**Year 3**

Semester 1	Cr	Status	Semester 2	Cr	Status
Engineering Science Elective <sup>4</sup>	3		Engineering Science Elective <sup>4</sup>	3	
Engineering Science Elective <sup>4</sup>	3		Engineering Science Elective <sup>4</sup>	3	
Engineering Science Elective <sup>4</sup>	3		Engineering Science Elective <sup>4</sup>	3	
Diversity 1 <sup>3</sup>	3		Diversity 1 or 2 <sup>3</sup>	3	
Technical Elective <sup>5</sup>	3		CEMS 101 - HCOL Research Experience	1	
			Technical Elective <sup>5</sup>	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>16</i>	

**Year 4**

Semester 1	Cr	Status	Semester 2	Cr	Status
Engineering Science Elective <sup>4</sup>	3		Engineering Science Elective <sup>4</sup> (2XX)	3	
Engineering Science Elective <sup>4</sup> (2XX)	3		Engineering Science Elective <sup>4</sup> (2XX)	3	
CE/ME/EE/BME 193 - Honors Thesis	3		CE/ME/EE/BME 194 - Honors Thesis	3	
CE/ME 185 or BME/EE 187 - Capstone Design <sup>6</sup>	3		CE/ME 186 or BME/EE 188 - Capstone Design <sup>6</sup>	3	
Free Elective	3				
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>12</i>	

**Minimum Total Credits Required for Degree (with Honors): 123**

- University General Education Requirements include: (1) 3 credits of Foundational Writing & Information Literacy (FWIL). Students must take 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
  - First Year Curriculum: These degree requirements are designed for first-year students. Internal and external transfer students may substitute additional 100-level or higher engineering (BME, CE, EE, ENGR, ME, EMGT) credits for this requirement.
  - Required General Education (GenEd) Electives: 9 credits of approved GenEd electives.
  - 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.
  - 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.
  - Capstone Design I and II courses must have the same course prefix.
- N.B. The University's Quantitative Reasoning (QR) requirement is built into the Engineering curriculum. Students should use General Education Electives and/or Engineering Science Electives to satisfy the Sustainability (SU) requirement.

**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/>**