

BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT

**Catalogue
2022-2023**

Student: _____
netID: _____

Date: _____
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	
EC 011 - Macroeconomics	3		QR: CS 021 - Computer Programming I	3	
ENGR 002 - Graphical Communication	2		EC 012 - Microeconomics	3	
CEMS 050 - CEMS First Year Seminar	1		QR: MATH 022 - Calculus II	4	
FWIL (ENGS 001, TAP, HCOL 085) ¹	3		PHYS 030 - Prob Solv Session I [Optional]	[1]	
QR: MATH 021 - Calculus I	4		PHYS 031 - Physics for Engineers I	4	
<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
QR: STAT 143 - Statistics for Engineers	3		BSAD 030 - Decision Analysis	3	
QR: MATH 121 - Calculus III	4		BSAD 061 - Managerial Accounting	3	
PHYS 125 - Physics for Engineers II	3		QR: MATH 271 - Appl. Math for Engr. & Sci.	3	
PHYS 123 - Prob. Solv. Session II [Optional]	[1]		ME 040 - Thermodynamics	3	
BSAD 060 - Financial Accounting	3		EE 003 + EE 081, EE 075, or EE 100	4-5	
CE 001 - Statics	3				
<i>Total credits</i>	<i>16-17</i>		<i>Total credits</i>	<i>16-17</i>	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
BSAD 120 - Mgmt & Org Behavior	3		BSAD 173 - Prod. & Operations Analysis	3	
Diversity 1 or 2 ¹ (D2 & SU is advised)	3		BSAD 180 - Managerial Finance	3	
Engineering Science ²	3		General Education Elective ¹ (Humanities & SU)	3	
Engineering Science ²	3		Engineering Science ²	3	
QR: MATH 122 or 124 - (Applied) Linear Algebra	3		Engineering Science ²	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
BSAD Elective ³	3		BSAD Elective ³	3	
CE 134, ME/ BME 185, or EE 187- Capstone Design ⁴	3		CE 175, ME/ BME 186, or EE 188 - Capstone Design ⁴	3	
Engineering Science ²	3		Engineering Science ² (2XX)	3	
Engineering Science ²	3		Engineering Science ² (2XX)	3	
QR: STAT 224 - Statistics for Quality & Prod.	3		Diversity 1 ¹ (D1)	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

Minimum Total Credits Required for Degree: 124

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. 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, EMGT, ENGR & ME courses (except [ENGR 010](#)). Must include a minimum 9 EMGT credits at the 200 level.
3. BSAD Electives: [BSAD 144](#), [BSAD 147](#), [BSAD 148](#), [BSAD 192](#), [BSAD 150](#) and all 200-level BSAD courses. [BSAD 195](#) & [BSAD 196](#) with approval of advisor and program head.
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/>