

BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT

**Catalogue
2020-2021**

Student: _____

Date: _____

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CHEM 031 - General Chemistry I	4		BME 001/CE 003/EE 001/ME 001 - First Year Design Experience ²	2	
EC 011 - Macroeconomics	3		CS 021 - Computer Programming I (QR)	3	
ENGR 002 - Graphical Communication	2		EC 012 - Microeconomics	3	
CEMS 050 - CEMS First Year Seminar [opt]	[1]		MATH 022 - Calculus II	4	
FWIL (ENGS 001/TAP/HCOL 085) ¹	3		PHYS 030 - Prob Solv Session I [opt]	[1]	
MATH 021 - Calculus I	4		PHYS 031 - Physics for Engineers I	4	
Total credits	16-17		Total credits	16-17	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
STAT 143 - Statistics for Engineers	3		BSAD 030 - Decision Analysis	3	
MATH 121 - Calculus III	4		BSAD 061 - Managerial Accounting	3	
PHYS 125 - Physics for Engineers II	3		CE 001 - Statics	3	
PHYS 123 - Prob. Solv. Session II [opt]	[1]		MATH 271 - Appl. Math for Engr. & Sci.	3	
BSAD 060 - Financial Accounting	3		ME 040 - Thermodynamics	3	
EE 003 + EE 081 / EE 075 / EE 100	4-5				
Total credits	17-18		Total credits	15	

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 ³	3		BSAD 180 - Managerial Finance	3	
Engineering Science ⁴	3		Diversity 1 ³	3	
Engineering Science ⁴	3		Engineering Science ⁴	3	
MATH 122 or 124 - Appld Lin Alg or Lin Alg	3		Engineering Science ⁴	3	
Total credits	15		Total credits	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
BSAD Elective ⁵	3		BSAD Elective ⁵	3	
CE/ME 185 or BME/EE 187 - Capstone Design ⁶	3		CE/ME 186 or BME/EE 188 - Capstone Design ⁶	3	
Engineering Science ⁴	3		Engineering Science ⁴ (2XX)	3	
Engineering Science ⁵	4		Engineering Science ⁴ (2XX)	3	
STAT 224 - Statistics for Quality & Prod.	4		SU or Free Elective ³	3	
Total credits	15		Total credits	15	

Minimum Total Credits Required for Degree: 124

1. 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.
2. First Year Design: This degree requirement is designed for first-year students. Internal and external transfer students may substitute 100-level or higher engineering (BME, CE, EE, ENGR, ME) credits for this requirement.
3. Students must take one three-credit D1 course and a second three-credit D1 or D2 course, per University Diversity Requirement. Students who meet the Univ SU: Sustainability Requirement with an approved BSAD Elective², Engineering Science Elective³, or a course that meets both D2 and SU, may replace these credits with free elective credits.
4. Engineering Science Electives: All BME, CE, EE, EMGT, ENGR & ME courses (except [ENGR 010](#)). Must include a minimum of 6 credits at the 200 level.
5. BSAD Electives: [BSAD 144](#), [BSAD 147](#), [BSAD 148](#), [BSAD 192](#), and all 200-level BSAD courses. [BSAD 195](#) & [BSAD 196](#) with approval of advisor and program head.
6. Capstone Design I and II courses must have the same course prefix.

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/>