

BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT

**Catalogue
2020-2021**

Student: _____

Date: _____

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CHEM 1400 - General Chemistry I	4		CE 1000/EE 1100/ME 1010 - Year Design Experience ² First	2	
ECON 1400 - Macroeconomics	3		CS 1210 - Computer Programming I (QR)	3	
ENGR 1020 - Graphical Communication	2		ECON 1450 - Microeconomics	3	
CEMS 1500 - CEMS First Year Seminar [opt]	[1]		MATH 1248 - Calculus II	4	
FWIL (ENGS 1001/HCOL 1001) ¹	3		PHYS 1510 - Prob Solv Session I [opt]	[1]	
MATH 1234 - Calculus I	4		PHYS 1500 - Physics for Engineers I	4	
Total credits	16-17		Total credits	16-17	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
STAT 2430 - Statistics for Engineers	3		BUS 2130 - Decision Analysis	3	
MATH 2248 - Calculus III	4		BUS 2620 - Managerial Accounting	3	
PHYS 1550 - Physics for Engineers II	3		CEE 1100 - Statics	3	
PHYS 1560 - Prob. Solv. Session II [opt]	[1]		MATH 3201 - Adv. Engr. Mathematics	3	
BUS 2610 - Financial Accounting	3		ME 1210 - Thermodynamics	3	
EE 2175 / EE 2145	4-5				
Total credits	17-18		Total credits	15	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
BUS 2300 - Leadership & Org Behavior	3		BUS 2700 - Operations Management	3	
Diversity 1 or 2 ³	3		BUS 2800 - Managerial Finance	3	
Engineering Science ⁴	3		Diversity 1 ³	3	
Engineering Science ⁴	3		Engineering Science ⁴	3	
MATH 2522 / 2544 - Appld Lin Alg / Lin Alg	3		Engineering Science ⁴	3	
Total credits	15		Total credits	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
BUS Elective ⁵	3		BUS Elective ⁵	3	
ME 4010/EE 4100 - Capstone Design ⁶	3		ME 4020/EE 4200 - Capstone Design ⁶	3	
Engineering Science ⁴	3		Engineering Science ⁴ (3XXX)	3	
Engineering Science ⁵	4		Engineering Science ⁴ (3XXX)	3	
STAT 3240 - Stats for Quality & Productivity	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/>