BACHELOR OF SCIENCE IN ENGINEERING MANAGEMENT   **Catalogue**

Student: _____   **Date:** _____   **2023 - 2024**

netID: _____   **Advisor:** _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
MA: MATH 1234 - Calculus I*	4		CEE 1000, EE 1100, ME 1010 - First Year Design Experience	2	
S1: ECON 1400 - Principles of Macroeconomics[+]	3		MA: MATH 1248 - Calculus II* *MATH 1234*	4	
N2, QD: CHEM 1400 - General Chemistry I	4		N2, QD: PHYS 1500 - Physics for Engineers I *MATH 1234*	4	
ENGR 1020 - Graphical Communication	2		PHYS 1510 - Physics Problem Solving I [Optional]	[1]	
CEMS 1500 - CEMS First Year Seminar	1		S1: ECON 1450 - Principles of Microeconomics[+]	3	
Catamount Core (WIL1): ENGL 1001 - Written Expression	3		QD: CS 1210 - Computer Programming I	3	
Total credits	*17*		*Total credits*	*16-17*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
MA: MATH 2248 - Calculus III *MATH 1248*	4		MATH 3201 - Adv Engineering Mathematics *MATH 2248*	3	
BUS 1610 - Financial Accounting *ECON 1400 or ECON 1450*	3		ME 1210 - Thermodynamics* *MATH 1248; PHYS 1500; CHEM 1400*	3	
N1, QD: PHYS 1550 - Physics for Engineers II *PHYS 1500; MATH 1248; Coreq: MATH 2248*	3		QD: BUS 2130 - Decision Analysis* *MATH 1234; STAT 2430*	3	
PHYS 1560 - Physics Problem Solving II [Optional]	[1]		BUS 2620 - Managerial Accounting *BUS 1610*	3	
CEE 1100 - Statics *MATH 1248; PHYS 1500*	3		EE 2145 - Electrical Engr Concepts *MATH 1248* **OR** EE 2175 - Electrical Circuits & Sensors *MATH 1248*	4	
QD: STAT 2430 - Statistics for Engineering* *MATH 1234*	3				
Total credits	*16-17*		*Total credits*	*16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
BUS 2300 - Leadership & Org Behavior *ECON 1400 or ECON 1450*	3		BUS 2700 - Operations Management *BUS 2130; BUS 1610; MATH 1234; STAT 2430*	3	
MA: MATH 2522 - Applied Linear Algebra *MATH 1248* **OR** MA: MATH 2544 - Linear Algebra *MATH 1248; Pre/Coreq: MATH 2248*	3		BUS 2800 - Managerial Finance *BUS 1610; STAT 2430* **OR** BUS 2792 - Business Process Improvement *BUS 1140 or BUS 2740*	3	
SU: EMGT 2041 - Engineering Economics *MATH 1248*	3		Engineering Science Elective	3	
Engineering Science Elective	3		Engineering Science Elective	3	
Catamount Core (GC Global Citizenship)	3		Catamount Core (AH Arts & Humanities)	3	
Catamount Core (D2 Diversity 2 **AND** AH Arts & Humanities)	3				
Total credits	*18*		*Total credits*	*15*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 2130, EE 4100, ME 4010 - Capstone Design I	3		CEE 4950, EE 4200, ME 4020 - Capstone Design II	3	
STAT 3240 - Stats for Qualty&Productvty *STAT 2430*	3		Engineering Science Elective (EMGT)	3	
Engineering Science Elective (EMGT)	3		Engineering Science Elective	3	
Engineering Science Elective	3		Catamount Core (D1 Diversity 1)	3	
Engineering Science Elective	3		Catamount Core (OC Oral Communication **OR** WIL2 Writing & Information Literacy 2)	3	
Total credits	*15*		*Total credits*	*15*	

Minimum Total Credits Required for Degree: 128

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 2023-2024 found at http://catalogue.uvm.edu/

Prerequisite courses are listed below the course name in italics. Prerequisites listed are only for courses, as relevant to your specific degree program, and may have other registration restrictions. Please refer to the catalogue.

* Grade of C- or higher required

+Grade of C- or higher required in either ECON 1400 or ECON 1450

Engineering Science Elective: All BME, CEE, EE, EMGT, ENGR & ME courses (except ENGR 1100). Must include a minimum of 6 EMGT credits.

Capstone Design I and II courses must have the same course prefix.

Catamount Core: Students may take courses that fulfill more than one Catamount Core requirement, but they must still take at least 40 unique credits of courses that have been approved to fulfill Catamount Core requirements.