BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING   **Catalogue**

Student: _____   Date: _____   **2025 - 2026**

netID: _____   Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
MA: MATH 1234 - Calculus I*	4		MA: MATH 1248 - Calculus II* *MATH 1234*	4	
QD: CS 1210 - Computer Programming I	3		N2, QD: PHYS 1500 - Physics for Engineers I *MATH 1234*	4	
N2, QD: CHEM 1400 - General Chemistry 1	4		PHYS 1510 - Physics Problem Solving I [Optional]	[1]	
Catamount Core (WIL1): ENGL 1001 - Written Expression	3		EE 1100 - EE Principles & Design	2	
CEMS 1500 - CEMS First Year Seminar	1		MATH 2500 - Eng Math Linear Algebra Lab *MATH 1234; Coreq: MATH 1248*	1	
ENGR 1020 - Graphical Communication [Optional]	[2]		Catamount Core (AH Arts & Humanities)	3	
			Catamount Core (S1 Social Science)	3	
Total credits	15-17		*Total credits*	17-18	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 2125 - Circuits I *MATH 1248*	4		EE 2135 - Circuits II *EE 2125*	4	
MA: MATH 2248 - Calculus III *MATH 1248*	4		EE 2185 - Circuits Design Project *EE 2125*	2	
N1, QD: PHYS 1550 - Physics for Engineers II *PHYS 1500; MATH 1248; Coreq: MATH 2248*	3		MATH 3201 - Adv Engineering Mathematics *MATH 2248*	3	
PHYS 1560 - Physics Problem Solving II [Optional]	[1]		CEE 1150 - Applied Mechanics *MATH 1248; PHYS 1500*	3	
CMPE 2810 - Fundamentals of Digital Design *CS 1210*	4		CMPE 3815 - Microcontroller Systems *EE 2125; CS 1210; CMPE 2810*	4	
Catamount Core (AH Arts & Humanities)	3				
Total credits	18-19		*Total credits*	16	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 3110 - Electronics I *PHYS 1550; EE 2135*	4		WIL2: EE 3415 - Electronics Design Project *EE 3115; EE 3110; WIL1*	3	
EE 3115 - Electronics Laboratory *Pre/Coreq: EE 3110*	2		EE 3100 - Electromagnetic Field Theory *PHYS 1550; MATH 2248; EE 2135*	4	
EE 3150 - Signals & Systems *MATH 3201; Pre/Coreq: EE 2135*	4		EE Elective	4	
EE Elective	4		EE 3000 - Engineering Ethics/Leadership	1	
STAT 2510 - Applied Probability *MATH 1248*	3		Catamount Core (S1 Social Science)	3	
Total credits	17		*Total credits*	15	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 4100 - Capstone Design I *EE 3110 or EE 3150; EE 3415*	3		EE 4200 - Capstone Design II *EE 4100*	3	
EE Elective	4		Free Elective (2000 Level or Higher)	3	
SU: EMGT 2041 - Engineering Economics *MATH 1248*	3		Free Elective (2000 Level or Higher)	3	
Free Elective (2000 Level or Higher)	3		Catamount Core (D1/D2 Diversity 1 or Diversity 2)	3	
Catamount Core (D1 Diversity 1)	3		Catamount Core (GC Global Citizenship)	3	
Total credits	16		*Total credits*	15	

Minimum Total Credits Required for Degree: 129

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 2025-2026 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

EE Elective: Please refer to your degree audit to see course options.

Free Elective (2000 Level or Higher): Free Electives allow students to further tailor their studies through, e.g., technical, general, and/or professional development electives. Students are encouraged to work with their advisor(s) to select courses that complement their curricula and support their academic and career goals (such as the pursuit of an EE certificate, additional EE courses in their field of interest, a minor in another discipline, or semester abroad).

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.