BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING **Catalogue 2021-2022**

Student: **Date:**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CEMS 1500 - CEMS First Year Seminar	1		EE 1100 - EE Principles & Design	2	
CHEM 1400 - General Chemistry I	4		General Education Elective[1] (Humanities)	3	
ENGR 1200 - Graphical Comm [Optional]	[2]		Diversity 1 or 2[1] (D1/D2)	3	
WIL (ENGL 1001, HCOL 1000)[1]	3		QD: MATH 1248 - Calculus II	4	
QD: CS 1210 - Computer Programming I	3		MATH 2500 - Eng Math Linear Algebra Lab	1	
QD: MATH 1234 - Calculus I	4		PHYS 1510 - Prob Solv Session I [Opt]	[1]	
			PHYS 1500 - Physics for Engineers I	4	
Total credits	*15-17*		*Total credits*	*17-18*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CEE 1150 (preferred) or CEE 1100 - Statics	3		QD: STAT 2510 - Applied Probability	3	
EE 2125 - Circuits I	4		EE 2135 - Circuits II	4	
Diversity 1[1] (D1)	3		EE 2185 - Circuits Design Project	2	
QD: MATH 2248 - Calculus III	4		EE 1810 - Fundamentals of Digital Design	3	
PHYS 1550 - Physics for Engineers II	3		QD: MATH 3201 - Appl. Math. for Engr. & Sci.	3	
PHYS 1560 - Prob. Solv. Session II [Optional]	[1]				
Total credits	*17-18*		*Total credits*	*15*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 3110 - Electronics I	4		EE 3515 / 3315 / 3410 / 3815 / 3610[2]	4	
EE 3410 - Electromagnetic Field Theory	4		EE 3515 / 3315 / 3410 / 3815 / 36102	4	
EE 3150 - Signals & Systems	4		EE 3515 / 3315 / 3410 / 3815 / 36102	4	
EE 3115 - Electronics Laboratory	2		EE 3000 - Engineering Ethics/Leadership[6]	1	
General Education Elective[1] (Social Science)	3		EE 3415 - Electronics Design Project	3	
Total credits	*17*		*Total credits*	*16*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
EE 4100 - Capstone Design I	3		EE 4200 - Capstone Design II	3	
EE Elective[3]	3		EE Elective[3] (2XX)	3	
EE Elective[3] (2XX)	3		EE Elective[3] (2XX)	3	
EMGT 2041 - Engineering Economics	3		General Education Elective[1] (SU)	3	
Free Elective	3		Free Elective	3	
Total credits	*15*		*Total credits*	*15*	

Minimum Total Credits Required for Degree: 127

****Ultilize degree audit or re-numbering widget (bit.ly/UVMWidget) to confirm courses.****

1. University Requirements & General Education Electives: University Requirements include Diversity (D1/D2), Sustainability (SU), Quantitative Reasoning (QD) and Foundational Writing & Information Literacy (WIL). At least 3 credits General Education Electives must be from the Humanities and at least 3 credits must be from the Social Sciences. Refer to the CEMS Program Electives for approved Humanities and Social Science elective courses (https://www.uvm.edu/cems/cems-program-electives).
2. Students are required to take three of these five courses. If a student takes more than three of these courses, one course may count as an EE Elective (see footnote 6).
3. EE Electives: EE 2993, EE 2996, EE 2990, EE 2995 and all 200-level, 3-4 credit EE courses. At least 9 credits must be at the 200-level or above. Four distinct 3-4 credit EE electives are required. EE Elective requirement may not be met by taking three 4 credit courses.

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 2021-2022 found at http://catalogue.uvm.edu/