BACHELOR OF SCIENCE IN COMPUTER SCIENCE **Catalogue 22 - 23**

Student: **Date:**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
CS Elective (0XX)	3		QR: CS 110 - Intermediate Programming[1]	4	
QR: CS 021 - Computer Programming I[1]	3		QR: CS 064 - Discrete Structures	3	
FWIL (ENGS 001)[2]	3		QR: MATH 022 - Calculus II	4	
QR: MATH 021 - Calculus I	4		Diversity 1 or 2[2] (D1/D2)	3	
CEMS 050 - CEMS First Year Seminar	1		Natural Science elective (non-lab)[3]	3	
CS 050 - First Year Seminar	1				
Total credits	*15*		*Total credits*	*17*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
QR: CS 124 - Data Structures and Algorithms	3		QR: CS 125 - Computability and Complexity	3	
QR: CS 121 - Computer Organization/SU[2]	3		QR: CS 120 - Advanced Programming	3	
QR: MATH 121, 122 or 124, 173, 271	3-4		QR: STAT 151 - Applied Probability	3	
QR: STAT 143 - Statistics for Engineering	3		QR: MATH 121, 122 or 124, 173, 271	3-4	
Natural Science elective (with lab)[3]	4		SU[2]/QR: CS 121	3	
Total credits	*16-17*		*Total credits*	*15-16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
QR: CS 201 - Operating Systems	3		CS Elective (1XX)	3	
Diversity 1[2] (D1)	3		QR: CS 224 - Algorithm Design and Analysis	3	
CS Elective (1XX)	3		CS Elective (2XX)	3	
Humanities Elective[4]	3		Social Sciences Elective[4]	3	
Free Elective	3		Free Elective	3	
Total credits	*15*		*Total credits*	*15*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CS Elective (2XX)	3		CS Elective (2XX)	3	
CS 292 - Senior Seminar	1		Capstone Experience[5]	3	
Free Elective	3		Free Elective	3	
Free Elective	3		Free Elective	3	
Free Elective	3		Free Elective	3	
Total credits	*13*		*Total credits*	*15*	

Minimum Total Credits Required for Degree: 120

1. Grade of C- or higher required in CS 021 and CS 110.
2. Students must fulfill the University Requirements - Diversity (D1/D2), Sustainability (SU), Foundational Writing & Information Literacy (FWIL), and Quantitative Reasoning (QR).
3. Refer to the catalogue for approved Natural Science courses.
4. Refer to the CEMS Program Electives for approved Humanities and Social Science elective courses (https://www.uvm.edu/cems/cems-program-electives).
5. Capstone Experience courses: CS 202, 205, 206, 211, 225, 226, 228, 253, 254, and 275.

N.B. Students must achieve a minimum GPA of 2.00 in all courses with a CS prefix. The minimum 2.00 GPA also includes courses without a CS prefix that are substituted for a CS course requirement.

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 2022-2023 found at http://catalogue.uvm.edu/