BACHELOR OF SCIENCE IN COMPUTER SCIE				Catalogue	
Student:			Date:	2022	2 - 2023
netID:			Advisor:		
Year 1 Semester 1	Cr	Statue	Semester 2	Cr	Status
		Status	QR: CS 110 - Intermediate Programming ¹	4	Status
CS Elective (0XX) QR: CS 021 - Computer Programming I ¹	3				
FWIL (ENGS 001) ²	3		QR: CS 064 - Discrete Structures	3	
	3		QR: MATH 022 - Calculus II		
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		Takal and the	47	
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	4		Total credits	15-16	
	10 17			10 10	
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 Deg	ree: 120	
1. Grade of C- or higher required in CS 021 and	CS 110				
			y (D1/D2), Sustainability (SU), Foundational Wri	ting &	
Information Literacy (FWIL), and Quantitative				~ 8	
3. Refer to the catalogue for approved Natural					
4. Refer to the CEMS Program Electives for app					
(https://www.uvm.edu/cems/cems-program-					
5. Capstone Experience courses: CS 202, 205, 2			26, 228, 253, 254, and 275.		
			rses with a CS prefix. The minimum 2.00 GPA al	so	
includes courses without a CS prefix that are s					
This document is an advising tool and she	ould be	used i	n combination with a student's degree aud	it, as w	vell as
the published Catalogue	for 20	<u>22-</u> 202	3 found at http://catalogue.uvm.edu/		