

BACHELOR OF SCIENCE

Catalogue

Major: COMPUTER SCIENCE & INFORMATION SYSTEMS

2022 - 2023

Student: _____

Date: _____

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: CS 1080 - Intro to Web Site Development	3		QD: CS 2100 - Intermediate Programming ¹	4	
QD: CS 1210 - Computer Programming I ¹	3		QD: CS 1640 - Discrete Structures	3	
EC 1400 - Principles of Macroeconomics	3		QD: MATH 1248 - Calculus II	4	
QD: MATH 1234 - Calculus I	4		EC 1450 - Principles of Microeconomics	3	
CEMS 1500 - CEMS First Year Seminar	1		Natural Science elective (non-lab) ²	3	
CS 1500 - Seminar for New CS Majors	1				
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>17</i>	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: CS 2240 - Data Structures and Algorithms	3		QD: CS 2480 - Database Design for Web	3	
QD: CS 2210 - Computer Organization/WIL ³	3		QD: CS 2300 - Advanced Programming	3	
Diversity 1 or 2 ³ (D1/D2)	3		BSAD 2620 - Managerial Accounting	3	
BSAD 2610 - Financial Accounting	3		WIL (ENGL 1001)3/QD: CS 2210	3	
QD: STAT 2430 - Statistics for Engineering	3		BSAD 2130 - Decision Analysis	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>15</i>	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CS Elective (1XX) ⁶	3		CS Elective (1XX) ⁶	3	
Diversity 1 ³ (D1)	3		QD: CS 3240 - Algorithm Design and Analysis	3	
BSAD 2500 - Marketing Management	3		Natural Science elective (with lab) ²	4	
BSAD 2300 - Leadership & Org Behavior	3		Sustainability (SU) ³	3	
Humanities Elective ⁴	3		BSAD 2700 - Operations Management	3	
<i>Total credits</i>	<i>15</i>		<i>Total credits</i>	<i>16</i>	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: STAT 2510 - Applied Probability	3		Capstone Experience ⁵	3	
CS 3920 - Senior Seminar	1		BSAD ≥ 1XX ⁶	3	
BSAD 2800 - Managerial Finance	3		CS Elective (2XX) ⁶	3	
CS Elective (2XX) ⁶	3		Social Science Elective ⁴	3	
Free Elective	3		Free Elective	2	
<i>Total credits</i>	<i>13</i>		<i>Total credits</i>	<i>14</i>	

Minimum Total Credits Required for Degree: 120

- Grade of C- or higher required in CS 1210 and CS 2100.
 - Students must fulfill the University Requirements - Diversity (D1/D2), Sustainability (SU), Foundational Writing & Information Literacy (FWIL), and Quantitative Reasoning (QR).
 - Refer to the catalogue for approved Natural Science courses.
 - Refer to the CEMS Program Electives for approved Humanities and Social Science elective courses (<https://www.uvm.edu/cems/cems-program-electives>).
 - Capstone Experience courses: CS 3002, 3050, 3060, 3110, 3250, 3260, 3280, 3530, 3540, and 3750.
- 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.
- Utilize degree audit or re-numbering widget (bit.ly/UVMWidget) to confirm 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 2022-2023 found at <http://catalogue.uvm.edu/>