

BACHELOR OF SCIENCE IN COMPUTER SCIENCE & INFORMATION SYSTEMS

Catalogue

2025 - 2026

Student: _____

Date: _____

netID: _____

Advisor: _____

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: CS 1210 - Computer Programming I*	3		CS 2100 - Intermediate Programming*	4	
MA: MATH 1234 - Calculus I*	4		CS 1210		
ECON 1400 - Principles of Macroeconomics	3		CS 1640 - Discrete Structures	3	
CEMS 1500 - CEMS First Year Seminar	1		CS 1210 or CS 2100; MATH 1234 or MATH 1242		
CS 1500 - Seminar for New CS Majors	1		ECON 1450 - Principles of Microeconomics	3	
Catamount Core (Diversity 1)	3		MA: MATH 1248 - Calculus II	4	
Total credits	15		MATH 1234		
			Natural Science	3	
			Total credits	17	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CS 2240 - Data Struc & Algorithms	3		WIL2: CS 2300 - Advanced Programming	3	
CS 2100			CS 2240		
BUS 1610 - Financial Accounting	3		BUS 2620 - Managerial Accounting	3	
ECON 1400 or ECON 1450			BUS 1610		
QD: STAT 2430 - Statistics for Engineering	3		QD: BUS 2130 - Decision Analysis	3	
MATH 1234			MATH 1234; STAT 2430		
CS 2210 - Computer Organization			CS Elective (2000 Level or above)		
CS 2100					
OR Catamount Core (WIL 1): ENGL 1001 - Written Expression	3			3	
Catamount Core (Diversity 1 or Diversity 2)	3		Catamount Core (WIL 1): ENGL 1001 - Written Expression		
			OR CS 2210 - Computer Organization	3	
			CS 2100		
Total credits	15		Total credits	15	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
BUS 2300 - Leadership & Org Behavior	3		CS 3240 - Algorithm Design & Analysis	3	
ECON 1400 or ECON 1450			CS 2240; Recommended: CS 2250; STAT 2430 or STAT 2510		
BUS 2500 - Marketing Management	3		BUS 2700 - Operations Management	3	
ECON 1450; MATH 1234; STAT 1410 or STAT 2430			BUS 2130; BUS 1610; MATH 1234; STAT 2430		
CS Elective (2000 Level or above)	3		CS Elective (2000 Level or above)	3	
CS Elective (2000 Level or above)	3		Natural Science w/ Lab	4	
Catamount Core (AH Arts & Humanities)	3		Catamount Core (SU Sustainability)	3	
Total credits	15		Total credits	16	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CS 3920 - Senior Seminar	1		Capstone Experience	3	
STAT 2510 - Applied Probability	3		BUS Elective (2000 Level or above)	3	
MATH 1224 or MATH 1248 or MATH 1242					
BUS 2800 - Managerial Finance	3		CS Elective (3000 Level)	3	
BUS 1610; STAT 2430					
CS Elective (3000 Level)	3		Catamount Core (AH Arts & Humanities)	3	
Catamount Core (GC Global Citizenship)	3		CS Elective (2000 Level or above)	3	
CS 2500- Intro to Data Base Systems	3				
CS 1210					
Total credits	16		Total credits	15	

Minimum Total Credits Required for Degree: 120

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

Natural Science: Please refer to your degree audit to see course options.

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

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

Capstone Experience: A comprehensive, project-based experience, typically occurring during the Senior year, that draws from the full breadth of skills and knowledge developed throughout a student's undergraduate program. Please refer to your degree audit to see course options.

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.