BACHELOR OF SCIENCE IN COMPUTER SCIENCE **Catalogue**

Student: **Date:** **2025 - 2026**

netID: **Advisor:**

Year 1

Semester 1	Cr	Status	Semester 2	Cr	Status
QD: CS 1210 - Computer Programming I*	3		CS 2100 - Intermediate Programming* *CS 1210*	4	
MA: MATH 1234 - Calculus I*	4		CS 1640 - Discrete Structures *CS 1210 or CS 2100; MATH 1234 or MATH 1242*	3	
Catamount Core (AH Arts & Humanities)	3		MA: MATH 1248 - Calculus II+ *MATH 1234*	4	
CEMS 1500 - CEMS First Year Seminar	1		Catamount Core (Diversity 1 or Diversity 2)	3	
CS 1500 - Seminar for New CS Majors	1		Natural Science	3	
Catamount Core (WIL1): ENGL 1001 - Written Expression	3				
Total credits	*15*		*Total credits*	*17*	

Year 2

Semester 1	Cr	Status	Semester 2	Cr	Status
CS 2240 - Data Struc & Algorithms *CS 2100*	3		WIL2: CS 2300 - Advanced Programming *CS 2240*	3	
CS 2210 - Computer Organization *CS 2100* **OR** Catamount Core (SU Sustainability)	3		CS 2250 - Computability & Complexity *CS 1640 or MATH 2055; Pre/ Coreq: CS 2240*	3	
STAT 2430 - Statistics for Engineering *MATH 1224 or MATH 1234*	3		STAT 2510 - Applied Probability *MATH 1248 or MATH 1242*	3	
MATH 2248, 2522 or 2544, 2678, 3201 *See Catalogue*	3-4		MATH 2248, 2522 or 2544, 2678, 3201 *See Catalogue*	3-4	
Natural Science w/ Lab	4		Catamount Core (SU Sustainability) **OR** CS 2210 - Computer Organization *CS 2100*	3	
Total credits	*16-17*		*Total credits*	*15-16*	

Year 3

Semester 1	Cr	Status	Semester 2	Cr	Status
CS 3010 - Operating Systems *CS 2300; CS 2210*	3		CS 3240 - Algorithm Design & Analysis *CS 2240; Recommended: CS 2250; STAT 2430 or STAT 2510*	3	
CS Elective (2000 Level)	3		CS Elective (2000 Level)	3	
CS Elective (Any Level)	3		CS Elective (3000 Level)	3	
Catamount Core (Diversity 1)	3		Catamount Core (S1 Social Science)	3	
Free Elective	3		Free Elective	3	
Total credits	*15*		*Total credits*	*15*	

Year 4

Semester 1	Cr	Status	Semester 2	Cr	Status
CS 3920 - Senior Seminar	1		CS Capstone Experience	3	
CS Elective (3000 Level)	3		CS Elective (3000 Level)	3	
Catamount Core (AH Arts & Humanities)	3		Catamount Core (GC Global Citizenship)	3	
Free Elective	3		Catamount Core (S1 Social Science)	3	
Free Elective	3		Free Elective	3	
Total credits	*13*		*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

†If you plan on taking Calculus III, a grade of C- or higher is 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.

CS 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 degree audit for 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.