

## COMPUTER SCIENCE B.A.

All students must meet the University Requirements.  
(<http://catalogue.uvm.edu/undergraduate/academicinfo/degreerequirements/>)

All students must meet the College Requirements. (<http://catalogue.uvm.edu/undergraduate/artsandsciences/#requirements-text>)

### MAJOR REQUIREMENTS

Core Courses:		
CS 021	QR: Computer Programming I (C- or better) <sup>1</sup>	3
CS 064	QR: Discrete Structures	3
CS 110	QR: Intermediate Programming (C- or better) <sup>1</sup>	4
CS 120	QR: Advanced Programming	3
CS 121	QR: Computer Organization	3
CS 124	QR: Data Struc & Algorithms	3
CS 125	QR: Computability & Complexity	3
CS 224	QR: Algorithm Design & Analysis	3
CS 292	Senior Seminar	1
15 additional credits of computer science courses, including 3 credits at the 0XX level or above, 3 credits at the 100-level or above and 9 credits at the 200-level or above		15
No more than 45 credits of Computer Science can be applied to this degree		
MATH 021	QR: Calculus I <sup>2</sup>	4
MATH 022	QR: Calculus II <sup>2</sup>	4
STAT 143	QR: Statistics for Engineering	3
STAT 151	QR: Applied Probability	3
It is recommended that the natural sciences Distribution Requirement be fulfilled with a 2-semester laboratory science sequence		

<sup>1</sup> Concurrent enrollment in CS 050 is recommended for students enrolled in CS 021 or CS 110.

<sup>2</sup> MATH 019 and MATH 023 is an acceptable substitute for MATH 021 and MATH 022