

# 2014-2015 Catalogue

## COMPUTER SCIENCE B.A.

All students must meet the University Requirements.

All students must meet the College Requirements.

### MAJOR REQUIREMENTS

One introductory programming course:		
CS 021	Computer Programming I (or equivalent) <sup>1</sup>	0 or 3
Core Courses:		
CS 064	Discrete Structures	3
CS 110	Intermediate Programming <sup>1</sup>	4
CS 121	Computer Organization	3
CS 124	Data Structures & Algorithms	3
CS 125	Computability and Complexity	3
CS 224	Algorithm Design & Analysis	3
or CS 243	Theory of Computation	
CS 292	Senior Seminar	1
Twelve additional credits of computer science courses, including three credits at the 100-level or above		12
Six credits of computer science at the 200-level		6
No more than forty-five credits of Computer Science can be applied to this degree		
Choose one of the following sequences:		8
MATH 021 & MATH 022	Calculus I and Calculus II (recommended)	
MATH 019 & MATH 023	Fundamentals of Calculus I and Transitional Calculus	
STAT 143	Statistics for Engineering ((or one approved course in probability and one approved course in statistics))	3
It is recommended that the natural sciences Distribution Requirement be fulfilled with a two-semester laboratory science sequence		

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