COMPUTER SCIENCE MAJOR — B.S.

This B.S. degree requires 60 liberal arts credits out of the 120 credits required for graduation.

Summary

Code	Title	Credits
Computer Science B.S. Major Requirements		54-59
Integrative Core Curriculum Requirements and Electives [1]		61-66
Total Credits		**120**

[1] *This major is not approved to fulfill a perspective course for the* Integrative Core Curriculum *(*https://catalog.ithaca.edu/undergrad/programsaz/integrative-core-curriculum/*).*

Degree Requirements

Prerequisite information: A grade of C or better is required for a course in computer science to fulfill a prerequisite for another computer science course.

Code	Title	Credits
CORE COURSES IN THE DEPARTMENT		
COMP 11500	Discrete Structures for Computer Science	4
COMP 17100	Principles of Computing Science I	4
COMP 17200	Principles of Computer Science II	4
COMP 21000	Introduction to Computer Organization and Systems	4
COMP 22000	Introduction to Data Structures	4
COMP 31100	Algorithms and Data Structures	4
COMP 34500	Introduction to Software Engineering	4
COMP xxxxx	Five elective courses in computer science (excluding COMP 49800) [1]	16-20
•Select one course at any level		
•Select one course at the 200-, 300- or 400-level		
•Select two courses at the 300- or 400-level		
•Select one course at the 400-level		
MATHEMATICS COURSES		
MATH 11100	Calculus I	4
MATH 18700	Introduction to Applied Linear Algebra	3
or MATH 23100	Linear Algebra	
MATH 14400	Statistics for Business, Economics and Management	3-4
or MATH 14500	Statistics for the Health, Life, and Social Sciences	
or MATH 21600	Statistical Analysis	
Total Credits		**54-59**

[1] *Students may use only one project course - COMP 37000/370001, COMP 47000/47001, or COMP 47500 - taken for at least 3 credits to fulfill the electives requirement.*