

# COMPUTER SCIENCE MAJOR – B.A.

This B.A. degree requires 90 liberal arts credits out of the 120 credits required for graduation.

## Summary

Code	Title	Credits
	Computer Science B.A. Major Requirements	40-44
	Integrative Core Curriculum Requirements and Electives <sup>1</sup>	76-80
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> 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
<b>CORE COURSES IN THE DEPARTMENT</b>		
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 22000	Introduction to Data Structures	4
COMP 31100	Algorithms and Data Structures	4
COMP 34500	Introduction to Software Engineering <sup>1</sup>	3-4
	or COMP 47500 Senior Project	
COMP xxxxx	Four elective courses in Computer Science (at least one course must be a 4-credit course) <sup>2</sup>	13-16
	•Select one course at any level	
	•Select one course at the 200-, 300-, or 400-level	
	•Select one course at the 300- or 400-level	
	•Select one course at the 400-level	
<b>MATHEMATICS REQUIREMENT</b>		
	Select one MATH course from the following list: (students may not apply AP credit for MATH courses to this requirement):	4
MATH 10800	Applied Calculus	
MATH 11100	Calculus I	
MATH 14400	Statistics for Business, Economics and Management	
MATH 14500	Statistics for the Health, Life, and Social Sciences	
MATH 21600	Statistical Analysis	
<b>Total Credits</b>		<b>40-44</b>

<sup>1</sup> Students who choose to complete COMP 47500 Senior Project may use COMP 34500 as one of the four computer science electives.

<sup>2</sup> Students may not use any COMP project or internship courses to satisfy this requirement, including: COMP 17000/ COMP 17001, COMP 27000/COMP 27001, COMP 37000/COMP 37001, COMP 47000/COMP 47001, COMP 47500, or COMP 49800.