

COMPUTER SCIENCE MAJOR – B.A.

¹ Students may use only one project course - COMP 27000/COMP 27001, COMP 37000/COMP 37001, or COMP 47000/COMP 47001 taken for at least 3 credits - to fulfill the elective requirement; COMP 49800 cannot be counted as a computer science elective.

Summary

Code	Title	Credits
	Computer Science B.A. Major Requirements	52-55
	Integrative Core Curriculum Requirements ¹	29-41
	Electives	25-39
	Total Credits	120

¹ See Integrative Core Curriculum requirements, with information about the H&S CLA requirement. (<https://catalog.ithaca.edu/undergrad/schools/school-humanities-sciences/#integrativecorecurriculumicctext>)

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 32100	Programming Languages	4
	or COMP 3250CHI: User Interface Design and Development	
	or COMP 3650C Computer Networks	
	or COMP 3750C Database Systems	
COMP 34500	Introduction to Software Engineering	4
COMP xxxxx	Four elective courses in Computer Science ¹	13-16
	Select at least one 4-credit course	
	Select one course at level-2, 3, or 4	
	Select one course at level-3 or 4	
	Select two courses at level-4	
COURSES OUTSIDE THE DEPARTMENT		
Mathematics		
MATH 11100	Calculus I	4
	or MATH 14400 Statistics for Business, Economics and Management	
Oral Communication		
	Select one of the following:	3
CMST 11000	Public Communication	
CMST 11500	Business & Professional Comm	
CMST 14000	Small Group Communication	
	Total Credits	52-55