

**Computer Science (CS)  
 MINOR REQUIREMENTS**

The following worksheet lists courses needed to fulfill requirements to graduate with a **Computer Science** minor. In addition, students must complete the Holy Cross College Core Curriculum Requirements and a selected Major for graduation.

Required Prerequisites:		
Course #	Course Name	Credits
MATH 141 or MATH 151	Calculus I	4

Suggested Additional Math Courses:		
Course #	Course Name	Credits
MATH 152	Calculus II	4
MATH 275	Linear Algebra	4

Required Courses:		
Course #	Course Name	Credits
CS 150	Introduction to Programming	4
CS 160	Mathematical Foundations for Computer	4
CS 250	Programming Language: Python	4

Elective Courses: Choose <i>two courses</i> from the list below.		
Course #	Course Name	Credits
CS 175	Great Ideas in Computer Science	3
CS 255	Programming Language: C++	4
CS 275	Programming Language: Java	4
CS 280	Algorithms & Data Structures	4
CS 300	Automata and Complexity Theory	4
CS 350	Introduction to Computer Organization and Systems	3
CS 360	Principles of AI	3
CS 375	Computer Security	3
CS 380	Computer Ethics	3

MINOR REQUIREMENTS	TOTAL CREDITS
Computer Science Required Courses	12
Computer Science Elective Courses	6-8
<b>MINOR TOTAL CREDITS:</b>	<b>18-20</b>