

COMPUTER SCIENCE (CS)
MINOR REQUIREMENTS

The following worksheet lists courses needed to fulfill requirements to graduate with a **Computer Science** minor.
 Prerequisite courses must be met with a grade C or higher.

Course	Credits	Semesters Offered
Computer Science Minor Required Courses		
CS 150 Introduction to Programming Prerequisite: MATH 111 (or higher) with a C- or higher, ALEKS score of 46-64%, ACT score of 20-22, or SAT score of 570 or higher	4	Fall/Spring
CS 160 Discrete Logic Prerequisite: MATH 111 (or higher) with a C- or higher, ALEKS score of 46-64%, ACT score of 20-22, or SAT score of 570 or higher	4	Fall/Spring
CS 250 Computer Science II (Python/C++) Prerequisite: CS 150 with a C or higher	4	Fall/Spring

Computer Science Elective Courses Choose elective courses from the list below that totals at least 6 credit hours.		
CS 175 Great Ideas in Computer Science	3	Spring
CS 205 CyberOps Prerequisite: CS107 or CS150 or Cisco Networking Academy introductory courses on Packet Tracer and Linux	4	Fall
CS 217 Introduction to Data Analytics Prerequisite: Successful proficiency in (CS 107, CS150, CS160, or by passing a standardized exam), and MATH111 (or higher) with a C- or higher	3	Fall
CS 227 Principles of Artificial Intelligence and Machine Learning Prerequisite: CS217 with a C or higher and MATH 210 (or equivalent) with a C or higher	3	Spring
CS 280 Data Structures Prerequisite: Successful completion of MATH 151 (or higher) with a C or higher; CS 250 with a C or higher	3	Spring
CS 290 CS Ethics or PHIL202 Ethics or PHIL255 Business Ethics Prerequisite: <i>Sophomore or higher classification, or instructor approval;</i>	3	Fall/Spring
CS 350 Computer Organizations and Structure Prerequisite: CS 2xx	4	Fall
CS 327 Computer Vision Prerequisite: CS 227	3	Fall/Spring
CS 407 Quantum Computing Prerequisite: CS 327	3	Fall
CS 400 Algorithms and Automata Prerequisite: CS 280 & MATH 152	3	Spring
CS 2XX or CS3XX (elective course approved by CS Director)	3	Fall/Spring
MATH 210 Statistics (or BIOL 215, or BUSI 210, or PSYC 265)	3	Fall/Spring
MATH 220 Cryptography	4	
MATH 350 Graph Theory	3	Spring
ARTS 104 Graphic Design I (or ARTS 101 2D Arts Fundamentals)	3	Fall/Spring
ARTS 205 Web Design	3	Spring