



Computer Science Major (Comprehensive)
Academic Plan of Study
2019-2021 Catalog

Name: _____ Student ID #: _____ Date: _____

University Studies Requirements

Core Courses *completed within first 60 credits

Course	Credits	Grade	Planned to Take
WRIT 102 College Writing II _____	3	_____	_____
WRIT 209 Business and Professional Writing _____	3	_____	_____
HHP 102 Wellness and a Positive Lifestyle _____	3	_____	_____
COMM 110 Intro to Speech Communications _____	3	_____	_____
MATH/CSCI _____	3-4	_____	_____

Humanities

Course	Course Title	Credits	Grade	Planned to Take
History _____		3	_____	_____
Literature _____		3	_____	_____
World Language, Culture, & Philosophy _____		3	_____	_____

Social Science (6 cr) *must include 2 different prefixes*

Course	Course Title	Credits	Grade	Planned to Take
Course 1 _____		3	_____	_____
Course 2 _____		3	_____	_____

Natural & Physical Sciences

Course	Course Title	Credits	Grade	Planned to Take
Environmental _____		2	_____	_____
Lab _____		4	_____	_____

Fine & Applied Arts

Course	Course Title	Credits	Grade	Planned to Take
Art History, Criticism & Appreciation _____		3	_____	_____
Aesthetic Experience _____		3	_____	_____

Global Awareness & Diversity *may be fulfilled through other University Studies categories

Course	Course Title	Credits	Grade	Planned to Take
Global Awareness _____		3	_____	_____
Diversity _____		3	_____	_____

Computer Science (Comprehensive) Major Requirements

57 total credits required to include:

Math and Computer Science core courses (47 credits required):

Course	Course Title	Credits	Grade	Planned to Take
MATH 240	Calculus and Analytic Geometry I	4		
MATH 310	Introduction to Abstract Mathematics	3		
MATH 320	Discrete Structures	4		
CSCI 201	Introduction to Programming	3		
CSCI 202	Object-Oriented Programming	3		
CSCI 224	Assembly Language Programming	4		
CSCI 303	Algorithms and Data Structures	4		
CSCI 340	Software Development and Professional Practice	4		
CSCI 356	Database Systems	3		
CSCI 451	Operating Systems	4		
CSCI 461	Computer Architecture	4		
CSCI 470	Net-Centric Computing	4		
CSCI 499	Group Capstone Project	3		

Advanced Programming required courses (6 credits required):

Course	Course Title	Credits	Grade	Planned to Take
CSCI 327	Embedded Systems Design	3		
CSCI 331	Computer Graphics and Game Design	3		
CSCI 351	Internet Programming	3		
CSCI 370	Computer Security	3		

Computational Theory required course (4 credits required):

Course	Course Title	Credits	Grade	Planned to Take
MATH 421	Theory of Computation	4		
MATH 425	Algorithm Design and Analysis	4		

Notes: