

COMPUTER SCIENCE, A.A.S.

Course	Title	Hours
Semester 1		
COLL 101	ORIENTATION TO COLLEGE ¹	0
CS 121	INTRODUCTION TO PROGRAMMING ²	4
CIT 114	WINDOWS OPERATING SYSTEMS	3
Quantitative Reasoning Elective		3
MATH 125	TECHNICAL MATHEMATICS	
or MATH 126	or ~COLLEGE ALGEBRA	
or MATH 128	or ~COLLEGE TRIGONOMETRY	
or MATH 141	or ~FINITE MATH	
or MATH 150	or INTRODUCTION TO CALCULUS	
or MATH 155	or ~CALCULUS 1	
or MATH 156	or ~CALCULUS 2	
Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) Elective		3
Hours		13
Semester 2		
Free Elective		3
CS 122	OBJECT ORIENTED PROGRAMMING	4
CIT 130	PRIN OF INFORMATION SYSTEMS	3
CS 129	INTRO TO WEB PAGE DESIGN	3
CS 201	DATABASE THEORY AND DESIGN	3
Hours		16
Semester 3		
Select one of the following:		3
Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)		
Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)		
People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw) (preferred)		
CS 220	WEB APPLICATION DEVELOPMENT	3
CIT 105	INTRODUCTION TO NETWORKS (CISCO 1)	5
Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective (PHYS 101 is preferred)		4
Hours		15
Semester 4		
Select one of the following:		3
Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)		
Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) (preferred)		
People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)		
CS 221	DATA STRUCTURES	4
CS 260	COMPUTER SCIENCE CAPSTONE ³	3
CIT 240	INTRODUCTION TO LINUX (LINUX Cert.) ²	3
SEC 101	SECURITY FUNDAMENTALS	3
Hours		16
Total Hours		60

¹ Required 1-credit hour course, but is not counted in the degree total.

² Milestone Course

³ Capstone Course; C or better must be earned