



Cybersecurity Program

For students that started the program during the 2020-2021 school year or later

Cybersecurity Associate Degree: 12 WA Courses – 65-69 college credits (depending on science course)

Cybersecurity Certificate (denoted by *): 4 WA Courses – 24 CCAC Credits

Networking Certificate (denoted by +): 5 WA Courses – 28 CCAC Credits

	West Allegheny Course	Rcmd 4 Yr Seq	Rcmd 3 Yr Seq	College courses	Credits	Prerequisite	WA course type	
Certificate Options Cybersecurity Certificate denoted by * Networking Certificate denoted by +	0627 IT Fundamentals (*+)	Y1	Y1	CCAC - CIT 115: Info Technology Fundamentals	3	None	Elective	
				CCAC - CIT 150: Computer Configuration & Support	3			
	0628 Principles of Networking & Cybersecurity (*+)	Y2	Y2	CCAC - CIT 120: Networking Concepts	3	IT Fundamentals (CCAC-CIT 115)	Elective	
				CCAC - CIT 182: Principles of Cybersecurity	3			
	0632 Network & Infrastructure Security (*+)	Y3 or Y4	Y3	CCAC - CIT 250: Network Routing & Switch	3	Principles of Networking & Cybersecurity (CCAC-CIT 120 & CCAC-CIT 182)	Elective	
				CCAC - CIT 253: Infrastructure Security	3			
0629 Ethical Hacking (*) (course starts 22-23 sy)	Y3 or Y4	Y3	CCAC - CIT 254: Ethical Hacking	3	Principles of Networking & Cybersecurity (CCAC-CIT 182)	Science		
			CCAC - CIT 282: Mobile Device & Cloud Security	3				
0633 Linux System Administration (+)	Y2 or Y3 or Y4	Y2	CCAC - CIT 205: Help Desk & User Support	3	IT Fundamentals (CCAC-CIT 115)	Elective		
			CCAC - CIT 220: Linux System Administration	3				
0634 Windows Server Administration (+) (course starts 22-23 sy)	Y3 or Y4	Y3	CCAC - CIT 251: Window Server Administration	4	Principles of Networking & Cybersecurity (CCAC-CIT 120)	Elective		
Additional Courses Required for Associate Degree	0317 Honors Early College Algebra 2	Y1 or when appr in math seq	Y1 or when appr in math seq	CCAC - MAT 108: Intermediate Algebra	4	Qualifying score on CCAC related placement test(s); Algebra 1	Math	
	0618 Computer Science A	Y2 or Y3	Y2	CCAC - CIT 111: Intro to Programming: Java	4	Qualifying score on CCAC related placement test(s); Algebra 2 (or concurrent enrollment)	Math	
				CCAC - CIT 130: Object Oriented Programming with Java	4			
	0243 Criminal Justice & Investigation	Y3 or Y4	Y2 or Y3	CCAC - CJC 101: Intro to Criminal Justice	3	None	Social Studies	
				CCAC - CJC 201: Fundamentals of Criminal Investigations (Asynch through CCAC)	3			
	0122 AP English Language & Composition	Y3	Y2	CCAC - ENG 101: English Composition 1	3	Qualifying score on CCAC related placement test(s); B or higher in English 10 or completion of English 11	English	
				CCAC - ENG 102: English Composition 2	3			
	0151 Oral Communications	Y4	Y3	CCAC - SPH 101: Oral Communications	3	Completion of or concurrent enrollment in AP English Language (CCAC - ENG 101)	English	
	<i>One of the following:</i>							
	0410 AP Biology	Y3 or Y4	Y2 or Y3	CCAC - BIO 151: General Biology 1	4	Qualifying score on CCAC related placement tests (CCAC-MAT 108 & CCAC-ENG 101) and successful completion of 2 HS science courses; B or higher in Honors Biology	Science	
CCAC - BIO 152: General Biology 2				4				
0411 AP Chemistry	Y4	Y3	CCAC - CHM 151: General Chemistry 1	4	Qualifying score on CCAC related placement test (CCAC-MAT 111) or HEC Algebra 2 (CCAC-MAT 108); B or higher in Honors Chemistry	Science		
			CCAC - CHM 152: General Chemistry 2	4				
0412 AP Physics 1	Y3	Y2	CCAC - PHY 141: Physics 1	4	HEC Algebra 2 (CCAC-MAT 108) or Qualifying score on CCAC related placement test (CCAC-MAT 111)	Science		