

term 1 (Fanspring, Wax, 17 units, 12-15 units	Units	Term 3 (Fall/Spring: Max. 19 units, 12-15 units recommende	e d) Units	
Prog. Elective: CA 107, Microcomputer Hardware & Software Support	3	CA 175, Administering Windows Server	3	
CA 157, Introduction to Linux	3	CA 182, Network Security - CCNA Security		
AVC G.E. Area D1 ENGL 101	3	CA 183, Security Counter Measures	3	
AVC G.E. Area E #HD 101	3	AVC G.E. Area A #BIOL 104	3	
Electives: #BIP110, 120, 130 #Recommended Total	15	Το	tal 12	
Term 2 (Fall/Spring: Max. 19 units, 12-15 units recommended)	Units	Term 4 (Fall/Spring: Max. 19 units, 12-15 units recommende	ed) Units	
CA 170. Virtualization and Cloud Essentials	3	#CA 165+. Digital Forensics Fundamentals	3	
CA 171, Introduction to Networking	3	Prog. Electives: # CA 179, Cybersecurity Operations - CCN	A- 3	
AVC G.E. Area D2 #MATH 102 or higher	4	Prog. Electives: # CA 185, Network Security - CCNA Secur	ity 3	
Electives: #CA 153	3	AVC G.E. Area F #BUS 212	3	
Total	13	To	tal 12	
AVC G E Area C #MUSC 102	Units	Graduate		
AVCGE Area B #POLS 102	3			
Total	6			
Take Summer classes if needed to complete the program in a timely manner.				
The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any				
term. Come by the Counseling Center or call. Onlin	e Coun	seling is available: https://www.avc.edu/studentservices/counseling		
IT Cybersecurity Certificates Required Courses:	Units	Students who complete the IT Cybersecurity certificate have enhan-	ced	
CA 157, Introduction to Linux (Formerly CIS 157)	3	employability in cyber security and computer networking, and in a s	similarly titled	
CA 165+, Digital Forensics Fundamentals or	positions. The IT Cybersecurity certificate prepares students to begin a career			
CA 166, Cloud Security Fundamentals		working with associate-level cybersecurity analysts within security operations		
CA 170, Virtualization and Cloud Essentials	oud Essentials 3 centers where responsibilities include detecting cybersecurity			
CA 171, Introduction to Networking	3	effectively responding to security incidents.		
CA 175, Administering Windows Server	3	• Residency: Minimum of 12 units completed at AVC with a minimu	m of 9 of	
CA 182, Network Security - CCNA Security 3		those units completed from the certificate/major. (credit earned by examination		
CA 183, Security Counter Measures		will not be included in these 12 units) Title 5, Section 54000:http://ccr.oal.ca.gov		
21 units for the certificate, 30 units for the degree - Total Units: 21		Requirements for Two or More Associate Degrees: To be eligible for		
Program Electives: (complete 9 units for the Major only)		multiple associate degrees, a student must have completed all of the graduation requirements for each degree.		
CA 107, Microcomputer Hardware and Software Support				
CA 131, Relational Database Management and Design	3	Transfor: Students planning to continue studies at a four year calle	age or	
CA 159, SUSE Linux Server Administration 3		university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official		
CA 176. Windows Server Networking 3				
CA 179 Cybersecurity Operations -CCNA-Cyberops 3				
CA 185. Network Security - CCNA Security 3		transfer articulation agreements from AVC to many CSU/UC campuses can be		
Other Dequirements:	5	found at the following Web site: www.assist.org		
• Minimum grade of "(" required on each course		The "Catalog Dights Dollars" and fouth the suit of a 1 f	ining the	
Refer to catalog or online website for course listings and descriptions		degree requirements under which students may graduate. Please refer to the		
• A maximum of 6 pass/no pass units will be accepted for this cortificate		AVC Catalog for a detailed description or consult with a counselor		
Print and the passing pass units will be accepted for this certifi	cale	A duison w A condition of an allmost that a student is a duise d hard a	transing to	
Program Learning Outcomes		Auvisory: A condition of enrollment that a student is advised, but not required, to		
1. Describe the three common Security Operations Center types, the different tools used by the SOC analysis the different is hardward by the SOC analysis to the different is hardward by the second s		meet before or in conjunction with enrollment in a course or educational		
different tools used by the SOC analysts, the different job roles within the		Program.		
Security Operations Center, and incident analysis within a threatcentric		order to demonstrate current readiness for enrollment in a course or educational		
Security Operations Center.		program. Prerequisites are enforced and a student will be blocked from enrolling		
2. Demonstrate an understanding of the concepts of computer forensics		or involuntarily dropped after enrolling if the student does not meet the stated		
and summarize how to prepare for a computer investigation.		prerequisite. A student must complete a course prerequisite with a satisfactory		
3. Identify various cloud interface standards and protocols for building a		grade of A, B, C or P (pass).		
cloud infrastructure using the cloud computing reference model.		Corequisite : A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated corequisite.		