

# One-year Related Certificate of Completion (CC1R) Cybersecurity Operations Foundations CC

## a. Program Description

This certificate prepares students for entry-level information technology and security support roles with an emphasis on foundational Security Operations Center (SOC) concepts and workflows. Students develop core skills in Windows and Linux operating systems, computer networking, scripting, and introductory cybersecurity principles, then apply those skills in courses focused on security monitoring, log analysis, and alert triage. Cooperative Work Experience (CWE) provides supervised, real-world experience that supplements the academic classroom environment and supports workplace readiness.

This one-year Certificate of Completion is designed as a stackable credential that serves both as a standalone pathway into IT support and junior security support positions and as the first year of the Cybersecurity Operations Support AAS, where students deepen their skills in incident response, vulnerability management, cloud security, and advanced SOC operations.

## b. Program Curriculum

<b>First Year</b>		
<b>Fall Term</b>		<b>Credits</b>
CS-122	Personal Cybersecurity Fundamentals	2.00
CS-140	Introduction to Operating Systems	4.00
CS-160	Computer Science Orientation	4.00
CS-161	Computer Science I	4.00
<b>Winter Term</b>		
CS-123	Scripting for Security Operations	4.00
CS-132	Introduction to Cybersecurity	4.00
CS-151	Networking 1	4.00
CS-240W	Windows Desktop Administration	3.00
<b>Spring Term</b>		
CS-152	Networking 2	4.00
CS-172	Foundations of Security Operations	4.00
CS-173	Introduction to Security Logs and Threat Detection	4.00

CS-240L	Linux Administration 1	4.00
<b>Summer Term</b>		
CS-280	Computer Science/CWE	3.00
CWE-281	Cooperative Work Experience Seminar	0.00
WR-101	Workplace Writing	4.00
or WR-227Z	or Technical Writing	
Human Relations requirement		3.00-4.00
<b>Total Credits</b>		<b>55-56</b>

### Human Relations Requirement List

Code	Title	Credits
<b>Business</b>		
BA-285	Human Relations in Business	4.00
<b>Criminal Justice</b>		
CJA-250	Reporting, Recording & Testifying	4.00
<b>Education</b>		
ECE-258ES	Equidad y Diversidad en La Educación Infantil	4.00
ED-258	Culturally Responsive Education	3.00
<b>Human Services</b>		
HD-161	Multicultural Awareness	3.00
HS-156	Conducting Human Service Interviews	3.00
<b>Oral Communication</b>		
COMM-100ESZ	Introducción a la Comunicación	4.00
COMM-100Z	Introduction to Communication	4.00
COMM-111ESZ	Hablando en publico	4.00
COMM-111Z	Public Speaking	4.00
COMM-126	Intro to Communication, Gender, and Sexuality	4.00

<b>Code</b>	<b>Title</b>	<b>Credits</b>
COMM-140	Introduction to Intercultural Communication	4.00
COMM-218Z	Interpersonal Communication	4.00
COMM-219	Small Group Discussion	4.00
COMM-227	Nonverbal Communication	4.00
<b>Psychology</b>		
PSY-101	Human Relations	3.00
PSY-215	Introduction to Developmental Psychology <sup>1</sup>	4.00