

4940: Cybersecurity, Systems and Networking A A S Degree Requirements Table

FALL 2026 to CURRENT

ITEM	REQUIREMENT	CREDITS	SEMESTER
1 – KNOWLEDGE & SKILL AREA	MET BY	23	As Listed
1.01 - COMMUNICATION W1	ENG 101 College Composition	3	1
1.02 - COMMUNICATION ORAL	SPE 102, 108, 109, or HUS 102	3	2
1.03 - MATHEMATICS	Select one SUNY approved Mathematics course	3	2
1.04 - NATURAL SCIENCE	Select one SUNY approved Natural Science course	3	3
1.05 - SOCIAL SCIENCE	PSY 104 Intro to Psychology	3	1
1.06 - HISTORY, ENGAGEMENT, AWARENESS	Select one SUNY approved History, Engagement, Awareness course	3	3
1.07 - HUMANITIES, ARTS, LANG	Select one SUNY approved Humanities, Arts or World Language course	3	4
1.08 – DIVERSITY (DEISJ)	Met by Social Science requirement	0	N/A
1.09 - HEALTH/PE/ATH	Select 2 credit from any HED, PED or ATH option	2	2
2 - PROGRAM REQUIREMENT	MET BY	40	As Listed
2.01 - Program Requirement	CSN 116 Introduction to Linux	3	1
2.02 - Program Requirement	CSN 121 Network Fundamentals	3	1
2.03 - Program Requirement	CSN 151 Computer Repair	3	1
2.04 - Program Requirement	BUS 221 Introduction to Project Management	3	2
2.05 - Program Requirement	CIS 125 Programming and Problem Solving	3	2
2.06 - Program Requirement	CSN 221 Routing & Switching (Spring Only)	3	2
2.07 - Program Requirement	CYB 200 Overview of Computer and Network Security (Fall Only)	3	3
2.08 - Program Requirement	CSN 201 Client Operating Systems (Fall Only)	3	3
2.09 - Program Requirement	CYB 201 Introduction to Python Programming for Cybersecurity	3	3

2.10 – Program Requirement	CSN 202 Server Operating Systems (Spring Only)	3	4
2.11 - Program Requirement	CSN 217 Information Technology Internship	3	4
2.12 - Program Requirement	CYB 210 Ethical Hacking	3	4
2.13 – Program Requirement	CYB 220 Cybersecurity Analyst	3	4
3 - SEMESTER	TOTAL CREDITS REQUIRED FOR DEGREE	62	Upon Completion
3.1 - Semester 1	Semester 1 Total Credits	15	1
3.2 - Semester 2	Semester 2 Total Credits	17	2
3.3 - Semester 3	Semester 3 Total Credits	15	3
3.4 - Semester 4	Semester 4 Total Credits	15	4
4 - INFORMATIONAL NOTES	GENERAL CURRICULUM INFORMATION	0	As Appropriate
4.01 – Infused Competencies	Information Literacy: ENG 101 Critical Thinking: PSY 104 Technological Competency: CIS 125 Values & Ethics: PSY 104 Civic Discourse: SPE 102, 108, 109, or HUS 102	0	Upon Completion
4.02 - Proficiency Requirements	As outlined in Procedure 321- Placement and Proficiency Requirements (click to see GCC Placement and Proficiency Guide for details), all students are required to demonstrate proficiency in reading, math, and writing skills prior to earning a college degree or certificate from Genesee Community College.	0	Prior to Completion
4.03 - GPA Requirement	GPA of 2.0 Required for graduation	0	Upon Completion