

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

FALL 2024 to CURRENT

ITEM	REQUIREMENT	CREDITS	SEMESTER
<b>1 – KNOWLEDGE &amp; SKILL AREA</b>	<b>MET BY</b>	<b>23</b>	<b>As Listed</b>
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	<a href="#">Select one SUNY approved Mathematics course</a>	3	2
1.04 - NATURAL SCIENCE	<a href="#">Select one SUNY approved Natural Science course</a>	3	3
1.05 - SOCIAL SCIENCE	PSY 104 Intro to Psychology	3	1
1.06 - HISTORY, ENGAGEMENT, AWARENESS	<a href="#">Select one SUNY approved History, Engagement, Awareness course</a>	3	3
1.07 - HUMANITIES, ARTS, LANG	<a href="#">Select one SUNY approved Humanities, Arts or World Language course</a>	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
<b>2 - PROGRAM REQUIREMENT</b>	<b>MET BY</b>	<b>40</b>	<b>As Listed</b>
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

ITEM	REQUIREMENT	CREDITS	SEMESTER
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
<b>3 - SEMESTER</b>	<b>TOTAL CREDITS REQUIRED FOR DEGREE</b>	<b>62</b>	<b>Upon Completion</b>
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
<b>4 - INFORMATIONAL NOTES</b>	<b>GENERAL CURRICULUM INFORMATION</b>	<b>0</b>	<b>As Appropriate</b>
<b>4.01 – Infused Competencies</b>	Information Literacy: ENG 101 Critical Thinking: PSY 104 Technological Competency: CIS 125 Values & Ethics: PSY 104	0	Upon Completion
<b>4.02 - Proficiency Requirements</b>	As outlined in Procedure 321- Placement and Proficiency Requirements (click to see <a href="#">GCC Placement and Proficiency Guide</a> 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
<b>4.03 - GPA Requirement</b>	<b>GPA of 2.0 Required for graduation</b>	0	Upon Completion