Information Technology – Cybersecurity AAS (ITCS)

Catalog: 2024-2025			Effective Date: 9/01/2024

CR	COURSE	COURSE TITLE	SUNY GEN ED
1-2	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE	
3	ENG 101	*Introduction to College Writing*	GCWO
3	ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110	ENG 110 *Elements of Technical Writing* recommended	GCWO
3	SUNY GEN ED Mathematics (and Quantitative Reasoning)	Algebra based mathematics required	GMAT
3-4	SUNY GEN ED Natural Lab Science (and Scientific Reasoning)		GNSL
3	SUNY GEN ED Diversity: Equity, Inclusion and Social Justice		GDVR
3	SUNY GEN ED Humanities, The Arts, US History and Civic Engagement, World History and Global Awareness, Social Sciences or World Languages		GHUM GART CUSC GGLB GSSC GWRL
1	CIS 102	*Introduction to Linux*	
3	CIS 131	*Introduction to Networking*	
4	CIS 133 (Fall only - Prereq and Coreq Required)	*Network Fundamentals (CCNA1)*	
4	CIS 134 (Spring only - Prereq Required)	*LAN/WAN Technologies (CCNA2)*	
3	CIS 135 (Prereq Required)	*Networking Security I*	
3	CIS 140 (Fall only) or CIS 143 (Prereq Required)	*Intro to Programming in a Windows Environment.* or *Introduction to Programming*	
3	CIS 136 (Fall only - Prereq Required)	*IT Security Essentials*	
3	CIS 246 (Prereq Required) or CIS 278 (Prereq Required)	*Advanced Networking Technologies* or *IT Internship*	
3	CIS 232 (Prereq Required)	*Server Administration*	
4	CIS 235 (Fall only - Prereq Required)	*Network Security II (CCNA CyberOps)*	
3	CIS 245 (Spring only - Prereq Required)	*Ethical Hacking and Defense*	
6	Choose 2 from: CIS 120, CIS144 (Prereq Required), CIS237 (Prereq Required – Spring only), CRJ 101, MAT129 (Prereq Required)	CYBERSECURITY ELECTIVE	
3	SUNY GEN ED Liberal Arts and Science Elective		G***
62	**Minimum credits required for graduation**		

Note: Please review the back of this form for additional information.

❖ **COURSE PREREQUISITES:**

CIS 133	CIS 131 (pre or corequisite)	CIS 232	CIS 131
CIS 134	CIS 133	CIS 235	CIS 134 and CIS 135; CIS 245 (Prereq or Coreq)
CIS 135	CIS 131 or CIS 143	CIS 237	CIS 140 or CIS 143, with C or better
CIS 136	CIS 131	CIS 245	CIS 136 and CIS 232 (Pre or Coreq) and CIS 235
CIS 143	CIS 122, IS 140 or MAT 108 (or equivalent)	CIS 246	CIS 134
		CIS 278	Permission of instructor; recommended for final semester

❖ **RECOMMENDED SEQUENCE:**

FIRST YEAR

First Semester		Second Semester	
1-2	HRD 100, HRD 100A or HRD 110		
3	ENG 101	3	ENG 102 – ENG 110
1	CIS 102	3	SUNY GEN ED Mathematics (and Quantitative Reasoning) - (See Note 2)
3	CIS 131	3	CIS 135
4	CIS 133	4	CIS 134
3	SUNY GEN ED Liberal Arts and Sciences	3	CIS 232

SECOND YEAR

Third Semester		Fourth Semester	
3	SUNY GEN ED Diversity: Equity, Inclusion and Social Justice	4	SUNY GEN ED Natural Science lab science (and Scientific Reasoning)
3	CIS 136	3	SUNY GEN ED Humanities, The Arts, US History and Civic Engagement, World History and Global History Awareness, Social Sciences or World Languages
3	CIS 140 (Fall only) or CIS 143	3	CIS 246 or CIS 278
4	CIS 235	3	CIS 245
3	Cybersecurity elective (See Note 1)	4	Cybersecurity Elective (See Note 1)

NOTES:
1. Cybersecurity electives should be chosen by advisement.
2. STEM based mathematics are required. SUNY Plattsburgh Computer Security baccalaureate degree requires MAT 129.

❖ **DEFINITION OF COURSE REQUIREMENTS:** See http://catalog.sunyacc.edu/academics/degreerequirements

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to meet with their assigned academic advisor for any questions about course selection and degree program requirements. Please visit the Office of Financial Aid for any aid-related questions.

❖ **SUNY GEN ED KNOWLEDGE AREAS:** See http://catalog.sunyacc.edu/academics/generaleducation

- ❖ Mathematics (and Quantitative Reasoning) (GMAT)
- ❖ Natural Sciences (and Scientific Reasoning) (GNSC/L)
- ❖ Social Sciences (GSSC)
- ❖ US History and Civic Engagement (GUSC)
- ❖ World History and Global Awareness (GGLB)
- ❖ Diversity: Equity, Inclusion and Social Justice (GDVR)
- ❖ Humanities (GHUM)
- ❖ The Arts (GART)
- ❖ World Languages (GWRL)
- ❖ Communication – Written and Oral (GCWO)