

Information Technology – Cybersecurity AAS (ITCS)

Catalog: 2019-2020				Effective Date: 9/01/2017			
CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER		
1-2	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE					
3	ENG 101	<i>Introduction to College Writing</i>	GEBC				
3	SUNY GEN ED Basic Communication ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110	ENG 110 <i>Elements of Technical Writing</i> recommended	GEBC				
3	SUNY GEN ED Mathematics	MAT 127 <i>Introductory Statistics with Probability</i> recommended	GEMA				
4	SUNY GEN ED Natural Science Lab Science		GENS				
3	SUNY GEN ED Social Science		GESS				
3	SUNY GEN ED Humanities, The Arts, Other World Civilizations or Foreign Languages Liberal Arts and Sciences	PHI 202 <i>Ethics</i> or PHI 207 <i>Business Ethics</i> recommended	GEFL GEHU GEOC GETA				
3	CRJ 101	<i>Introduction to Criminal Justice</i>					
3	CRJ 212 (Prereq Required)	<i>Criminal Evidence</i>					
1	CIS 130	<i>Information Assurance</i>					
3	CIS 131	<i>Introduction to Networking</i>					
4	CIS 133 (Fall only - Prereq and Coreq Required)	<i>Network Fundamentals (CCNA1)</i>					
4	CIS 134 (Spring only - Prereq Required)	<i>Routing Protocols and Concepts (CCNA2)</i>					
3	CIS 135 (Prereq Required)	<i>Networking Security I</i>					
3	CIS 136 (Fall only - Prereq Required)	<i>IT Security Essentials</i>					
3	CIS 278 (Prereq Recommended) or CIS 246 (Prereq Required)	<i>IT Cybersecurity Internship or Advanced Networking Technologies</i>					
3	CIS 232 (Prereq Required)	<i>Server Administration</i>					
4	CIS 235 (Fall only - Prereq Required)	<i>Network Security II (CCNA Security)</i>					
3	CIS 245 (Spring only - Prereq Required)	<i>Ethical Hacking and Defense</i>					
3	CIS Elective – choose one from: CIS 122 (Prereq Required) CIS 140 (Prereq Required) CIS 143 (Prereq Required)	<i>Introduction to Internet Development</i> <i>Introduction to Programming in a Windows Environment</i> <i>Introduction to Programming</i>					
4	Electives						
64	Minimum credits required for graduation						

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

❖ COURSE PREREQUISITES:			
CIS 122	Familiarity using a Windows based PC, file management techniques and a word processor	CIS 232	CIS 131
CIS 133	CIS 131 (pre or corequisite)	CIS 235	CIS 134 and CIS 135
CIS 134	CIS 133	CIS 245	CIS 136, CIS 232 and CIS 235
CIS 135	CIS 131 or permission of instructor	CIS 246	CIS 134
CIS 136	CIS 135	CIS 278	2.6 GPA in Core Curriculum , CIS 232 and CIS 235 (Students may be required to lift up to 30 pounds, sit and/or stand for long periods of time, and walk in excess of 2 miles)
CIS 140	CIS 122, MAT 108 or College Level Math Score >=60	CRJ 212	CRJ 101
CIS 143	MAT 108 (or equivalent) or CIS 122		

❖ RECOMMENDED SEQUENCE:			
FIRST YEAR			
First Semester		Second Semester	
1-2	HRD 100, HRD 100A or HRD 110		
3	ENG 101	3	ENG 102
1	CIS 130	3	SUNY GEN ED Mathematics
3	CIS 131	3	CIS 135
4	CIS 133	4	CIS 134
3	CRJ 101	3	CIS 232
SECOND YEAR			
Third Semester		Fourth Semester	
3	SUNY GEN ED Social Science	4	SUNY GEN ED Natural Science lab science
3	CIS 136	3	SUNY GEN ED GEFL, GEHU, GEOC or GETA Liberal Arts and Sciences
3	CIS Elective – CIS 122, CIS 140 or CIS 143	3	CIS 278 or CIS 246
4	CIS 235	3	CIS 245
3	CRJ 212	4	Electives

❖ **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>

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| ❖ Mathematics (GEMA) | ❖ Other World Civilization (GEOC) |
| ❖ Natural Sciences (GENS) | ❖ Humanities (GEHU) |
| ❖ Social Sciences (GESS) | ❖ The Arts (GETA) |
| ❖ American History (GEAH) | ❖ Foreign Languages (GEFL) |
| ❖ Western Civilization (GEWC) | ❖ Basic Communication (GEBC) |