Information Technology – Information Security AS (ITSE)

Catalog: 2020-2021									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	*Introduction to College Writing*	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 103 or ENG 110 recommended	GEBC						
4	MAT 127	*Introductory Statistics with Probability*	GEMA						
3-4	SUNY GEN ED Natural Science lab science	EGR 105 *Engineering Physics I* or PHY 111 *General Physics I* recommended	GENS						
3	SUNY GEN ED Mathematics or SUNY GEN ED Natural Science	MAT 129 *Discrete Mathematics* recommended	GEMA GENS						
2-3	Any PED activity course, AVS 101, AVS 102, BIO 115, HED 103, HED 104, HED 108, NTR 101, NTR 111, PED 105, PED 106, PED 206 or PED 211 (Note: PED 210 and PED 212 do not fulfill this requirement)	HEALTH AND WELLNESS							
3	SUNY GEN ED Western Civilization		GEWC						
3	SUNY GEN ED American History		GEAH						
3	SUNY GEN ED Social Science		GESS						
3	Liberal Arts and Science SUNY GEN ED The Arts, SUNY GEN ED Foreign Language or SUNY GEN ED Humanities		GETA GEFL GEHU						
3	CIS 131	*Introduction to Networking*							
3	CIS 135 (Prereq Required)	*Network Security I*							
3	CIS 143 (Prereq Required)	*Introduction to Programming*							
4	CIS 144 (Prereq Required)	*Intermediate Programming in a Windows Environment*							
3	CIS 211 (Fall only - Prereq Required)	*Information Security*							
3	CIS 237 (Spring only - Prereq Required)	*Database Management Systems*							
6-7	Choose 2 (Prereq Required) from: CIS 136, CIS 232, CIS 243 or CIS 250	COMPUTER SCIENCE ELECTIVE							
3	Liberal Arts and Sciences SUNY GEN ED electives								
6	Electives								
64	**Minimum credits required for graduation**								

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

❖	COURSE PREREQUISITES:			
CIS 135	CIS 131 or permission of instructor	CIS 243	CIS 144 with C or better and MAT 129
CIS 136	CIS 135	CIS 250	Permission of instructor
CIS 143	MAT 108 (or equivalent) or CIS 122	MAT 127	MAT 096 within 4 years and 21 passed credits or MAT 097 within 4 years and 21 earned credits or MAT 108
CIS 144	CIS 140 with C or better or CIS 143 with C or better	MAT 129	MAT 108 with C or better
CIS 211	Any 3 credit CIS course and Any credit bearing MAT course	EGR 105	MAT 131
CIS 232	CIS 131	PHY 111	MAT 108 or equivalent
CIS 237	CIS 144		

❖	RECOMMENDED SEQUENCE:			
FIRST YEAR				
First Semester		**Second Semester**		
1-2	HRD 100, HRD 100A or HRD 110	3-4	SUNY GEN ED Natural Science lab science – EGR 105 or PHY 111 recommended
3	ENG 101	3	ENG 102 – ENG 110
4	MAT 127	3	SUNY GEN ED Mathematics or SUNY GEN ED Natural Science (MAT 129 recommended)
3	CIS 131	3	SUNY GEN ED Western Civilization
3	CIS 143	3	CIS 144
1	Health and Wellness	1	Health and Wellness
SECOND YEAR				
Third Semester		**Fourth Semester**		
3	SUNY GEN ED Social Science	3	SUNY GEN ED American History
3	CIS 135	3	CIS 237
3	CIS 211	3	Liberal Arts and Sciences SUNY GEN ED The Arts, Foreign Language, Other World Civilization or Humanities
3	Computer Science Elective – CIS 136, CIS 232, CIS 243 or CIS 250 – see Note 1	3	Computer Science Elective – CIS 136, CIS 232, CIS 243 or CIS 250 – See Note 1
6	Electives	3	SUNY GEN ED Liberal Arts and Sciences

NOTES:
1. Information Assurance focus area – CIS 243 and CIS 250; Network Security focus area – CIS 136 and CIS 232

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