



Information Technology - Information Security

Program Information

Degree Type: AS

Program Code: ITSE

Degree Worksheet PDF:  [2018-itse.pdf \[1\]](#)

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ITSE

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The Information Security degree will introduce students to secure coding techniques, information assurance and network security in order to prepare them for transfer to a wide range of different schools and technology degree programs. This broad-based curriculum offers an alternative path to students interested in Computer Science and /or Information Technology to transfer and complete a security-related degree at a baccalaureate granting institution.

Cr.	Course Title	Course Code
1-2	Freshman Experience	HRD100 HRD100A or HRD110
3	Writing I	ENG101 or ENG100A & ENG100B
3	SUNY GEN ED Basic Communication	ENG102 , ENG103 , ENG104 , ENG105 , ENG106 , ENG107 , ENG108 , ENG109 or ENG110 ; ENG 103 Writing in and about the



		Sciences or ENG 110 Elements of Technical Writing recommended
4	Introductory Statistics with Probability	MAT127 (Prereq Required)
3-4	SUNY GEN ED Natural Science lab science	EGR105 Engineering Physics I or PHY111 General Physics I recommended
3	SUNY GEN ED Mathematics or SUNY GEN ED Natural Science	MAT129 Discrete Mathematics recommended
2-3	Health and Wellness	Ped activity courses, AVS101 , AVS102 , BIO115 , HED103 , HED104 , HED108 , NTR101 , NTR111 , PED105 , PED106 , PED206 , or PED211



		(Note: PED 210 and PED 212 do not fulfill this requirement)
3	SUNY GEN ED Western Civilization	HIS100 , HIS101 or HIS102
3	SUNY GEN ED American History	HIS103 or HIS104
3	SUNY GEN ED Social Science	
3	Liberal Arts and Science SUNY GEN ED The Arts, SUNY GEN ED Foreign Language or SUNY GEN ED Humanities	
3	Introduction to Networking	CIS131
3	Network Security I	CIS135 (Prereq Required)
3	Introduction to Programming	CIS143 (Prereq Required)



4	Intermediate Programming in a Windows Environment	CIS144 (Prereq Required)
3	Information Security	CIS211 (Prereq Required)
3	Database Management Systems	CIS237 (Prereq Required)
6-7	Computer Science Elective	Choose 2 (Prereq Required) from: CIS136 IT Security Essentials CIS232 Server Administration CIS243 Data Structures and Objects in C++ CIS250 Virtualization and Security



3	Liberal Arts and Sciences SUNY GEN ED Electives	(At least 2 credits must be from SUNY GEN ED Knowledge Areas)
6	Electives	
64	Minimum credits required for graduation	

Recommended First Year		
First Semester		
1-2	HRD 100, HRD 100A or HRD 110	
3	ENG 101 or ENG 100A & ENG1 00B	
4	MAT 127	
3	CIS 131	
3	CIS 143	
1	Health and Wellness	
Second Semester		
3-4	SUNY GEN ED Natural Science lab science - EGR 105 or PHY 111 recommended	
3	ENG 102 - ENG 110	
3	SUNY GEN ED Mathematics or SUNY GEN ED Natural Science - (MAT 129 recommended)	
3	HIS 101, HIS 102 or HIS 103	
3	CIS 144	
1	Health and Wellness	
Recommended Second Year		
Third Semester		
3	SUNY GEN ED Social Science	
3	CIS 135	
3	CIS 211	
3	Computer Science Elective - CIS 136, CIS 232, CIS 243 or CIS 250 - see Note 1	
6	Electives	
Fourth Semester		
3	HIS 103 or HIS 104	
3	CIS 237	
3	Language Arts and Sciences SUNY GEN ED The Arts, For Language, Other World Civilization or Humanities	
3	Computer Science Elective - CIS 136, CIS 232, CIS 243 or CIS	



	250 - see Note 1	
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.

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Links:

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[2] <http://catalog.sunyacc.edu/sites/catalog.sunyacc.edu/files/degreeworksheets/2018/2018-itse.pdf>