



Information Technology - Information Security

Program Information

Degree Type: AS

Program Code: ITSE

ITSE

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	Introduction to College Writing	ENG101
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	<p>Ped activity courses, AVS101,</p> <p>AVS102, BIO115, HED103,</p> <p>HED104, HED108,</p> <p>NTR101, NTR111, PED105,</p> <p>PED106, PED206, or PED211</p> <p>(Note: PED 210 and PED 212 do</p>



		not fulfill this requirement)
3	SUNY GEN ED Western Civilization	
3	SUNY GEN ED American History	
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 (Spring only - Prereq Required)
3	Database Management Systems	CIS237 (Spring only - Prereq Required)
6-7	Computer Science Elective	Choose 2 (Prereq Required) from:



		<p>CIS136 IT Security Essentials</p> <p>CIS232 Server Administration</p> <p>CIS243 Data Structures and Objects in C++</p> <p>CIS250 Virtualization and Security</p>
3	Liberal Arts and Sciences SUNY GEN ED Electives	



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		
4	MAT 127		
3	CIS 131		
3	CIS 143		
1	Health and Wellness		
Second Semester			
3	ENG 102 - ENG 110		
3-4	SUNY GEN ED Natural Science lab science - EGR 105 or PHY 111 recommended		
3	SUNY GEN ED Mathematics or SUNY GEN ED Natural Science - (MAT 129 recommended)		
3	SUNY GEN ED Western Civilization		
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	SUNY GEN ED American History		

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