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 curiculum 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	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	
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:

		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	

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	SNY 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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