

Cybersecurity B.S. - 2698

<u>Course</u>		<u>Credit</u>	<u>Term</u>	<u>Grade</u>
<u>First Semester</u>				
CITA 152	Computer Logic	3	_____	_____
CITA 165	Survey of Cybersecurity	3	_____	_____
ENGL 101	Composition & Spoken Word (GER10/LA)	3	_____	_____
MATH ____*	_____ (GER1/LA)	3	_____	_____
_____	GER/LA _____	<u>3</u>	_____	_____
		15		

<u>Second Semester</u>				
CITA 170	Computer Concepts & OS	3	_____	_____
CITA 175	Computer Concepts & OS Lab	1	_____	_____
CITA 171	OS Use & Administration	3	_____	_____
MATH 141	Statistics (GER1/LA)	3	_____	_____
_____	GER2/LA** _____	3	_____	_____
_____	GER/LA _____	<u>3</u>	_____	_____
		16		

<u>Third Semester</u>				
CITA 180	Intro to Programming	4	_____	_____
CITA 215	Database Apps & Concepts	3	_____	_____
CITA 220	Data Com & Network Tech	3	_____	_____
CITA 221	Data Com & Network Tech Lab	1	_____	_____
ECON 101	Macroeconomics OR			
ECON 103	Microeconomics (GER3/LA)	3	_____	_____
_____	GER/LA _____	<u>3</u>	_____	_____
		17		

<u>Fourth Semester</u>				
CITA 204	Systems Analysis & Design [WI]	3	_____	_____
CITA 250	Information Security	3	_____	_____
_____	GER/LA _____	3	_____	_____
_____	GER/LA _____	3	_____	_____
_____	LA Elective _____	<u>3</u>	_____	_____
		15		

GER: 1: 2: 3: 4: _____ 5: _____
 6: _____ 7: _____ 8: _____ 9: _____ 10:

Seven of ten SUNY General Education Requirement academic areas (including mathematics and basic communication) and 30 credits of SUNY General Education courses must be completed within the first two years of full-time study of the program. The list of areas is: 1. Mathematics; 2. Natural Sciences; 3. Social Sciences; 4. American History; 5. Western Civilization; 6. Other World Civilizations; 7. Humanities; 8. The Arts; 9. Foreign Language; 10. Basic Communication

* Minimum mathematics requirement is MATH 121 College Algebra.

** Physics course strongly recommended.

<u>Course</u>		<u>Credit</u>	<u>Term</u>	<u>Grade</u>
<u>Fifth Semester</u>				
CITA 300	Management Information Systems	3	_____	_____
CITA 354	Incident Response and Disaster Recovery	3	_____	_____
CITA 356	Network Defense and Countermeasures	3	_____	_____
MATH 351	Discrete Mathematics (LA)	3	_____	_____
_____	LA Elective_____	<u>3</u>	_____	_____
		15		

<u>Sixth Semester</u>				
BSAD 319	Professional Ethics	3	_____	_____
CITA 352	Ethical Hacking and Penetration Testing	3	_____	_____
CITA 360	Cryptology in Theory and Practice	3	_____	_____
CITA 365	Digital Forensic Analysis	3	_____	_____
_____	LA Elective_____	3	_____	_____
_____	UD LA Elective_____	<u>3</u>	_____	_____
		18		

<u>Seventh Semester</u>				
CITA 440	Network Management	3	_____	_____
CITA 441	Network Management Lab	1	_____	_____
CITA 455	Access Control, Authentication, and PKI	3	_____	_____
_____	LA Elective_____	3	_____	_____
_____	LA Elective_____	3	_____	_____
_____	UD LA Elective_____	<u>3</u>	_____	_____
		16		

<u>Eighth Semester</u>				
CITA 450	Cybersecurity Body of Knowledge	3	_____	_____
SOET 477	Capstone Project	3	_____	_____
_____	LA Elective_____	3	_____	_____
_____	UD LA Elective_____	<u>3</u>	_____	_____
		12		

CERTIFIED BY _____

All CITA courses presented for graduation must have a grade of C (or better) or transfer credit.
 No more than 3 CITA credits with a course number below CITA150 may be used for credit towards graduation.
 All graduates must have a minimum of 45 UD (upper division) credits and a minimum of 60 LA (liberal arts and sciences) credits.