

CYBER SECURITY AND ASSURANCE CERTIFICATE

Cyber Security and Assurance – M710

CATALOG DESCRIPTION OF PROGRAM:

The Cyber Security and Assurance Program provides students with practical experience in understanding the threats and dangers, security assessments and analysis to a wide range of different businesses, and the steps that need to be taken to mitigate these vulnerabilities by using state-of-the-art technology. The program prepares students for vendor-specific or commercially available security certification. The program also emphasizes the need to build a wall between our information and those that want to exploit it. The recurring events such as virus and worm attacks and the success of criminal attackers illustrate the weaknesses in current information technologies and the need to heightened security of these systems.

COURSE	CURRENT SEQUENCE	CREDITS	SEMESTER	GRADE
Summer Semester				
PRE 100	Preparation for Academic Achievement	1	None	
BCAP 104	Introduction to Operating Systems	3	None	
ITSA 125	Security Fundamentals, Principles and Ethics	3	None	
Semester Credits		7		
1st Semester				
CISS 105	Introduction to UNIX Operating Systems	3	None	
BCAP 270	Introduction to Help Desk	3	BCAP 104	
ITNT 235	Networking with TCP/IP	3	None	
Semester Credits		9		
2nd Semester				
ITSA 242	Computer Forensics and Investigation	3	ITSA 125	
ITSA 233	Ethical Hacking	3	ITSA 125	
ITSA 245	Cyber Security Implementation	3	ITSA 125, ITSA 233	
Semester Credits		9		
PROGRAM TOTAL		25		

Advisor Signature: _____

Date: _____

Student Signature: _____

Date: _____

Pre-Requisites for Students in Developmental Courses

COURSE	CURRENT SEQUENCE	CREDITS	PREREQUISITES	SEMESTER	GRADE
RENG 90	Intensive Program Writing	4 hrs.	Placement Test		
RENG 91	Composition Skills I	4 hrs.	Placement Test or RENG 90		
RENG 92	Composition Skills II	4 hrs.	Placement Test or RENG 91		
MAT 80	Arithmetic	3 hrs.	Placement Test		
MAT 86/	Integrated Pre-Algebra and Introductory Algebra	5 hrs.	Placement Test or MAT 80 Students who complete MAT 80 with an A or B within a one year period; Students who recently (within one year) failed and need to repeat MAT 91; students whose ACUPLACER placement score on Elementary Algebra falls within the range 52-62.		
MAT 87M	Integrated Elementary and Intermediate Algebra				
MAT 91	Elementary Algebra	4 hrs.	Placement Test or MAT 80		
MAT 92	Intermediate Algebra	4 hrs.	Placement Test or MAT 91		