

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	
CYA 125	Security Fundamentals, Principles and Ethics	3	None	
Semester Credits		7		
1st Semester				
CIS 105	Introduction to UNIX Operating Systems	3	Completion of all required dev. courses	
CYA 230	Introduction to Help Desk	3	BCA 104 and successful completion of a minimum 12 credit hours of BCA and/or CIS courses or permission of Coordinator	
CYA 235	Networking with TCP/IP	3	BCA 104	
Semester Credits		9		
2nd Semester				
CYA 242	Computer Forensics and Investigation	3	CYA 125, CYA 235	
CYA 233	Ethical Hacking	3	CYA 125	
CYA 245	Cyber Security Implementation	3	CIS 109, CYA 125, CYA 233	
Semester Credits		9		
PROGRAM TOTAL		25		

Advisor Signature: _____ Date: _____

Student Signature: _____ Date: _____
