

CYBER ENGINEERING, CERTIFICATE OF COMPLETION



COMPUTER AND INFORMATION TECHNOLOGY

Program Requirements

Program Prerequisites: None

Code	Title	Credits	Semester
Required Courses			
The following courses are required and included in the CCL in Cybersecurity Fundamentals			
Select one of the following:		3	
BPC270	A+ Exam Prep: Operating System Configuration and Support		
MST150++	Any Microsoft Windows course		
CIS105	Survey of Computer Information Systems	3	
CIS111	Ethics in Information Technology	3	
or ITS120	Legal, Ethical and Regulatory Issues		
CIS126DL	Linux Operating System	3	
or CIS126RH	Red Hat System Administration I		
CIS156	Python Programming: Level I	3	
CIS190	Introduction to Networking	3-4	
or CNT140AB	Introduction to Networks		
Select one of the following options:		3-6	
Option 1			
CIS270	Essentials of Network and Information Security		
Option 2			
CIS271DB	Information Security Essentials		
CIS272DB	Information Security Principles		
Option 3			

ITS110	Information Security Fundamentals		
ITS240	Ethical Hacking and Network Defense	3	
The following courses are required in the CCL in Cyber Engineering.			
Select one of the following:		3	
CIS119DO	Introduction to Oracle: SQL		
CIS276++	Any SQL Database course		
CIS162++	Any C Programming: Level I course	3	
CIS227	Assembly Language	3	
CIS238DL	Linux System Administration	3	
or CIS238RH	Red Hat System Administration II		
CIS250	Management of Information Systems	3	
CIS262++	Any C Programming: Level II course	3	
Total Credits		42-46	