Technology

CIP Code 11.1003

Associate in Applied Science

Cybersecurity

CYB.AAS

Course #	Course Name	Credits	Notes
FIRST YEAR/FIRST SEMESTER			
ENG-101	English Composition I	3	Must test into ENG-101 or complete all appropriate prerequisites
CIS-181	Linux/Unix Essentials	3	
CST-102	Introduction to Networking	3	
ELECTIVE	Laboratory Science General Education Elective	4	
MTH-100	Algebraic Concepts	4	Must test into College level Math or complete all appropriate prerequisites
FIRST YEAR/SECOND SEMESTER			
ENG-102	English Composition II	3	**Prerequisite:** MTH-140
CIS-238	Database Security and Protection	3	**Prerequisites:** CIS-105, CIS-101, CIS-103, CIS-181 OR CIS-206
CST-103	Microcomputer Operating Systems I: Workstations	3	
MTH-111	Introduction to Statistics	3	Must test into College level Math or complete all appropriate prerequisites
ELECTIVE	Diversity Humanities General Education Elective		
or ELECTIVE	Diversity Social Science General Education Elective	3	
SECOND YEAR/FIRST SEMESTER			
CRJ-101	Administration of Justice	3	
CSC-171	Introductory Python Programming	3	
CST-109	Building, Upgrading, and Repairing PCs	3	
CST-201	Advanced Networking	3	**Prerequisite:** CST-102
CST-204	Computer and Network Security	3	**Prerequisite:** CST-102; **Co-requisite:** CST-109
SECOND YEAR/SECOND SEMESTER			
CST-210	Digital Forensics and Investigations	3	**Prerequisite:** CST-102
CST-220	Ethical Hacking and Penetration Testing	4	**Prerequisite:** CST-210
CRJ-120	Introduction to Homeland Security	3	
CIS-285	Linux Networking and Security	3	**Prerequisites:** CIS-181, CST-102 and CSC-171
	TOTAL CREDITS	**60**	

PROGRAM DESCRIPTION

The Cybersecurity program is designed to provide an affordable path toward a career in the fast-growing cybersecurity field, which includes: Network Forensics, Cyber Defense, Network Systems Administration or Systems Security Administration. The degree program utilizes hardware and software systems that align with those currently used in the commercial market. The CYB.AAS program is intended for students who want to enter a career directly after graduating. The curriculum is closely aligned t that of the National Science Foundation's CyberWatch degrees providing a clear path for graduates to transfer to such a program in a four year institution.

PROGRAM STUDENT LEARNING OUTCOMES

At the end of the program, the graduate will be able to:

1. Conduct digital forensics investigations and to investigate potential security breaches of computer data.
2. Examine professional and ethical codes of conduct with respect to cyber forensics.
3. Identify security risks and summarize possible remedies.
4. Develop solutions for networking and security problems, balancing business concerns, technical issues and security.

CONTACT PERSON

Richard Dolan, Director
(856) 227-7200, ext. 4518
email: rdolan@camdencc.edu