

BCCC

Baltimore City Community College



CYBER SECURITY AND ASSURANCE, AAS

Associate of Applied Science

The Cyber Security and Assurance Program at BCCC emphasizes the need to build a wall between our private information and those who seek to exploit it. Recurring events such as virus, worms, and online attacks committed by hackers or other cyber criminals, have revealed weaknesses in current information technologies and the need to heighten the security of these critical systems. Students will gain practical experience in understanding threats and dangers, assessing security and analyzing a wide range of businesses, and the steps needed to mitigate these vulnerabilities through state-of-the-art technology. The program prepares students for vendor-specific or commercially available security certification.

The Cyber Security and Assurance Program of Study (PoS) has been approved by the National Security Agency (NSA) and designated as a Center of Academic Excellence (CAE) in Cyber Defense, CAE-CD.

Learn more at
www.bccc.edu/cyber

CYBER SECURITY AND ASSURANCE, AAS

60 credit hours

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CAREER OPTIONS

- Cyber Security Technician
- Chief Security Operator
- Cyber Security Analyst
- Cyber Security Risk Assessment Support
- Cyber Data Security
- Cyber Security Associate
- Situation Awareness Solutions Support

BCCC'S ADVANTAGE

- Internships & scholarships
- Cyber Security Certification Training and Vouchers
- Small class size
- Majority of graduates transfer to a bachelor's degree program or find job placements

APPLY TODAY
bccc.edu/apply

SUGGESTED SEQUENCE OF COURSES

Every degree-seeking student must complete the College's General Education Requirements in addition to the requirements of his/her academic program. Through the College's General Education Requirements, students acquire basic knowledge of the disciplines in the areas of arts and humanities, social and behavioral sciences, biological and physical sciences, mathematics, English composition, and computer literacy.

1ST SEMESTER	CREDITS	COURSE #
Preparation for Academic Achievement	1	PRE 100
Principles of Computer Info. Systems	3	CIS 109
Introduction to Operating Systems: DOS/Windows	3	BCA 104
Introduction to UNIX Operating System	3	CIS 105
English Writing	3	ENG 101
Modern Elementary Statistics	3	MAT 107
	16 Credits	

2ND SEMESTER	CREDITS	COURSE #
Fundamentals of Speech Communication	3	SPE 101
Biological and Physical Sciences	3	BPS ELEC
Gen Ed. Mathematics	3	MAT ELEC
Criminal Justice	3	CRJ ELEC
Security Fundamentals, Principles and Ethics	3	CYA 125
	15 Credits	

3RD SEMESTER	CREDITS	COURSE #
Introduction to Help Desk Support	3	CYA 230
Ethical Hacking	3	CYA 233
Networking with TCP/IP	3	CYA 235
Operating Systems and Network Security	3	CYA 253
Health and Fitness	2	HLF ELEC
	14 Credits	

4TH SEMESTER	CREDITS	COURSE #
Systems Analysis and Design for Programmers	3	CIS 201
Social and Behavioral Sciences	3	SBS ELEC
Computers Forensic and Investigation	3	CYA 242
Cybersecurity Implementation	3	CYA 245
Business Continuity and Disaster Recovery	3	CYA 270
	15 Credits	