

# Cybersecurity - Option, Associate in Applied Science

The Cybersecurity degree option serves students who seek jobs that require computer and information security skills. These students are not interested transferring to a four-year school. Emphasis is placed on data loss prevention, identity and access management, incident response, and forensic analysis. The option provides preparation for a career as a cybersecurity professional. Student can obtain skills required for several industry certifications including CompTIA Network+, CompTIA Security+, CompTIA Linux+, TestOut Ethical Hacker Pro, and CompTIA SySA+.

For additional program information, please contact faculty advisor, Bojan Zilovic at (609) 343-4959 or [bzilovic@atlantic.edu](mailto:bzilovic@atlantic.edu) or contact area coordinator, Svetlana Marzelli, at (609) 343-5017 or [smarzell@atlantic.edu](mailto:smarzell@atlantic.edu).

## Upon completion of this program students will be able to:

- Earn an Associate degree;
- Earn the CompTIA Network+ certification;
- Earn the CompTIA Security+ certification;
- Earn the CompTIA Linux+ certification;
- Earn the TestOut Ethical Hacker Pro certification;
- Earn the CompTIA SySA+ certification.

(CYSC-Fall 2021)

Program: [Computer Systems Support](#)

## General Education Courses

When a course is not specified, refer to the list of approved General Education courses.

### Communication

Course #	Title	Credits:
ENGL101	Composition I	3
ENGL230	Technical Writing	3

### Mathematics-Science-Technology

Choose: MATH121 or MATH220

Course #	Title	Credits:
	Choice of Course (4 Credits)	4
	General Education Science Course (4 credits)	4
CISM125	Introduction to Computers	3

# Humanities

Course #	Title	Credits:
	General Education Humanities Course (3 Credits)	3

## Program Courses

Choose: CISM295-Information Technology Cooperative Education or CISM162-Microsoft Excel

Choose: CISM135-Computer Programming C++, CISM154-Computer Programming-Java, CISM167-Programming in Oracle SQL or CISM174-Computer Programming-Visual Basic

Course #	Title	Credits:
CISM142	Help Desk Support	3
CISM143	Introduction to Project Management	3
CISM146	Computer Networking	4
CISM176	Systems Security Methods	4
CISM182	Linux	4
CISM215	Ethical Hacking	4
CISM222	Issues in Computer Security	3
CRIM/CISM240	Computer Forensics	4
CISM258	Cyber Defense	4
	Choice of Course (3 Credits)	3
	Choice of Course (4 Credits)	4

## Recommended sequence of courses:

### First Semester

Course #	Title	Credits:
CISM125	Introduction to Computers	3
CISM142	Help Desk Support	3
CISM146	Computer Networking	4
ENGL101	Composition I	3
	General Education Humanities Course (3 Credits)	3

## Second Semester

Choose: MATH121 or MATH220

Choose: CISM135-Computer Programming C++, CISM154-Computer Programming-Java, CISM167-Programming in Oracle SQL or CISM174-Computer Programming-Visual Basic

<b>Course #</b>	<b>Title</b>	<b>Credits:</b>
CISM176	Systems Security Methods	4
ENGL230	Technical Writing	3
	Choice of Course (4 Credits)	4
	Choice of Course (4 Credits)	4

## Third Semester

<b>Course #</b>	<b>Title</b>	<b>Credits:</b>
CISM143	Introduction to Project Management	3
CISM182	Linux	4
CISM215	Ethical Hacking	4
	General Education Science Course (4 credits)	4

## Fourth Semester

Choose: CISM295-Information Technology Cooperative Education or CISM162-Microsoft Excel

<b>Course #</b>	<b>Title</b>	<b>Credits:</b>
CISM222	Issues in Computer Security	3
CRIM/CISM240	Computer Forensics	4
CISM258	Cyber Defense	4
	Choice of Course (3 Credits)	3
	<b>Total credits:</b>	<b>60</b>