

# Computer Systems Support, Associate in Applied Science

This degree serves students who seek a career in computer systems support. Strong emphasis is given to supporting computer hardware, software, security, and networks. Upon successful completion of the program, employment opportunities may include computer server administrator, help desk technician, and computer support professional.

The A.A.S. in Computer Systems Support is designed to provide students with an opportunity to prepare for industry certifications while earning an associate's degree. During successful completion of this program, students have the potential to earn six industry certifications.

Students who have already earned any of the certifications listed below or have successfully passed certification examinations, may initiate the college's Prior Learning Assessment (PLA) process and translate their certifications or examination results into equivalent course credits.

The following chart is an analysis of how the program courses align with industry certifications:

Certifications/Examination	Program Course(s)
CompTIA A+ Certification	CISM130, CISM149
CompTIA Security+	CISM176
PMI CAPM Certified Associate in Project Management	CISM143
CompTIA Network+	CISM146
CompTIA Linux+	CISM182
AZ-900 Microsoft Azure Fundamentals	CISM230

For additional program information, please contact faculty advisor, Bill Dougherty at (609) 343-4979 or [doughert@atlanticcape.edu](mailto:doughert@atlanticcape.edu) or contact department chair, Dr. Otto Hernandez, at (609) 343-4978 or [hernande@atlanticcape.edu](mailto:hernande@atlanticcape.edu).

Upon completion of this program students will be able to:

- Identify hardware and software problems and recommend solutions;
- Prepare for multiple CompTIA certification examinations;
- Configure and administer computer networks;
- Prepare for a certification examination in Project Management.

(CPSS-Fall 2023)

## 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

Course #	Title	Credits
CISM125	Introduction to Computers	3
	General Education Science Course (4 credits)	4
	Choose: MATH121-Applications of Mathematics or MATH220-Statistical Methods (4 credits)	4

# Humanities

Course #	Title	Credits
	Choose: ARTS108, PHIL102, PHIL105, PHIL110 or PHIL111 (3 credits)	3

## Program Courses

Course #	Title	Credits
CISM130	Using PC Operating Systems	4
CISM142	Help Desk Support	3
CISM143	Introduction to Project Management	3
CISM146	Computer Networking	4
CISM149	Computer Hardware	4
CISM176	Systems Security Methods	4
CISM182	Linux	4
CISM222	Issues in Computer Security	3
CISM230	Cloud Computing	4
	Choose one: CISM135-Computer Programming C++, CISM148-Problem Solving Using Scripting, CISM154-Computer Programming-Java or CISM174-Computer Programming-Visual Basic (8 credits)	4
	Choose: CISM295-Info. Tech. Cooperative Education or CISM162-Microsoft Excel (3 credits)	3
	<b>Total Credits</b>	<b>60</b>

## Recommended Sequence of Courses

### First Semester

Course #	Title	Credits
CISM125	Introduction to Computers	3
CISM130	Using PC Operating Systems	4
CISM149	Computer Hardware	4
ENGL101	Composition I	3

### Second Semester

Course #	Title	Credits
CISM146	Computer Networking	4
CISM230	Cloud Computing	4
ENGL230	Technical Writing	3
	Choose: MATH121-Applications of Mathematics or MATH220-Statistical Methods (4 credits)	4

## Third Semester

Course #	Title	Credits
CISM142	Help Desk Support	3
CISM143	Introduction to Project Management	3
CISM176	Systems Security Methods	4
CISM182	Linux	4
	Choose: ARTS108, PHIL102, PHIL105, PHIL110 or PHIL111 (3 credits)	3

## Fourth Semester

Course #	Title	Credits
CISM222	Issues in Computer Security	3
	Choose: CISM135, CISM148, CISM154, or CISM174 (4 credits)	4
	Choose: CISM295-Info. Tech. Cooperative Education or CISM162-Microsoft Excel (3 credits)	3
	General Education Science Course (4 credits)	4