

# Computer Information Systems, Associate in Science

This program emphasizes the business applications of the computer. Graduates will have the theoretical, conceptual and practical background to use computers in business settings. Designed to facilitate transfer to Bachelor of Science programs, it provides a liberal arts or General Education base, which enables students to have career mobility and/or to continue study beyond the associate's degree.

The program responds to the increased demand from area business and industry for trained computer professionals. Supporting the program are the college's computer facilities and equipment, including personal computers and a variety of related hardware and current software.

For additional program information, please contact faculty advisor, Svetlana Marzelli, at (609) 343-5017 or [smarzell@atlanticcape.edu](mailto:smarzell@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:**

- Utilize productivity software suitable for use in a professional environment;
- Design, implement, test, debug and document computer programs using appropriate development tools;
- Communicate effectively in both oral and written form;
- Perform system analysis and design including automated solutions to business systems;
- Manage time, tasks, and projects, and work effectively in teams;
- Identify computer system security risks;
- Apply mathematics to increase knowledge of business operations.

(CISM-Fall 2022)

## 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
ENGL102	Composition II	3

### Mathematics-Science-Technology

Course #	Title	Credits
MATH155	Calculus I	4
MATH220	Statistical Methods	4
	General Education Science Course (4 credits)	4
CISM125	Introduction to Computers	3

### Social Science

Course #	Title	Credits
	General Education Social Science Course (3 credits)	3

# Humanities

Course #	Title	Credits
PHIL110	Introduction to Ethics	3
	General Education Humanities Course (3 credits)	3

## Program Courses

Course #	Title	Credits
BUSN222	Principles of Management	3
CISM154	Computer Programming-Java	4
CISM160	Systems Analysis and Design	3
CISM222	Issues in Computer Security	3
CISM247	Management Information Systems	3
CISM254	Advanced Computer Programming-Java	4
MATH153	Discrete Mathematics	4
TCOM125	Technical Communication	3
	Choose one course from the following alphas: CISM or GIST (3 credits)	3
	<b>Total Credits</b>	<b>60</b>

## Recommended Sequence of Courses

### First Semester

Course #	Title	Credits
BUSN222	Principles of Management	3
CISM125	Introduction to Computers	3
ENGL101	Composition I	3
MATH155	Calculus I	4
	General Education Science Course (4 credits)	4

### Second Semester

Course #	Title	Credits
CISM154	Computer Programming-Java	4
ENGL102	Composition II	3
	General Education Social Science Course (3 credits)	3
MATH220	Statistical Methods	4

### Third Semester

Course #	Title	Credits
CISM254	Advanced Computer Programming-Java	4
MATH153	Discrete Mathematics	4
PHIL110	Introduction to Ethics	3
TCOM125	Technical Communication	3

## Fourth Semester

Course #	Title	Credits
CISM160	Systems Analysis and Design	3
CISM222	Issues in Computer Security	3
CISM247	Management Information Systems	3
	General Education Humanities Course (3 credits)	3
	Choose one course from the following alphas: CISM or GIST (3 credits)	3