

# COMPUTER INFORMATION SYSTEMS TECHNOLOGY, BACHELOR OF APPLIED SCIENCE

**Program Code:** CTBS

**Meta-Major:** STEM

**Location(s):** Cocoa, Melbourne, Palm Bay, Titusville, Online

**Delivery Method(s):** On-Campus, Online

**Previous Degree Required:** AS/AA

**Eligible for Financial Aid:** Yes

**Additional Limited Access Application Process Required:** No

**Program Testing Requirements:**

**Classification of Instructional Programs (CIP) Code:** 11.0401

**Florida Department of Education CIP Code:** 1101104011

Students can only select one major and one specialization. Students may receive a specific A.S./B.A.S. degree only one time. While students may take courses from multiple specializations, however, the degree will be awarded only once.

The degree is intended to provide students with the skills and knowledge necessary to enter the workforce in a mid-level management position. Graduates will demonstrate mastery of skills needed in the rapidly growing program field of Information Systems and will lead to employment in public, private, and nonprofit sectors. Concentrations in cybersecurity, data science, networking systems, program development/software development, and project management will prepare graduates for entry level as well as administrative/managerial positions in business, industry, technical, healthcare services, and other related industries.

Students who have completed or who are in the last semester of coursework needed to complete an Associate in Science or an Associate in Arts degree may apply. The program prerequisites will include an earned Associate in Science degree; students with an earned Associate in Arts degree will be reviewed on a case by case basis. All BAS degrees require completion of Florida's standard baccalaureate degree requirements (36 hours of General Education and demonstration of civic literacy and foreign language competence). Contact the [BAS Program Specialist](#) for more information. [Visit the program page for more details and how to apply.](#)

**For AS degree students:** Most AS degrees include 15 credits in General Education. Therefore, once admitted to the BAS program, AS students who have not completed required General Education requirements will need to continue to take General Education credit hours. These credits will be considered part of the remaining General Education, upper division portion of the 60 credits required for the BAS degree. Students must work with the BAS Program Specialist to review the General Education requirements.

**For AA degree students:** Once admitted to the BAS program, AA students will need to take 21 credit hours of appropriate technical concentration courses. Students must work with the BAS Program Specialist for proper technical course selection. Technical concentration courses may be considered part of the technical concentration, upper division portion of the 60 credits required for the BAS degree.

The BAS in Computer Information Systems Technology has two Common Program Prerequisites. These courses must be completed before being admitted to 3000 and 4000 level courses and students will need to earn a grade of "C" or higher:

- COP 2334 Introduction to C++ Programming
- STA 2023 Statistics

**Important Notes:** The prerequisite for STA 2023 is MGF 1106 or MAC 1105 with a grade of "C" or higher. MAC 2311 is the alternate approved course to STA 2023. No other substitutions are permitted. The prerequisite for COP 2334 is COP 1000. The Common Program Prerequisite, COP 2334 may also be satisfied by any COP Computer Programming course. No other course substitutions are permitted.

## Program Requirements

Code	Title	Credit Hours
<b>Associate Degree</b>		
Complete Associate Degree		60
<b>General Education or Technical Concentration</b>		
General Education (for A.S. degree students) or Technical Concentration (for A.A. degree students) <sup>1</sup>		21
<b>Computer Information Systems Technology - Major Courses</b>		
GEB 3213	Foundations of Managerial Communications	3
ISM 3011	Introduction to Information Technology Management	3
ISM 4300	Information Systems Operations Management	3
MAN 4504	Operational Decision Making	3
<b>Specializations</b>		
Select 27 credits from one of the following specializations:		27
<a href="#">Cybersecurity Specialization</a>		
<a href="#">Data Science Specialization</a>		
<a href="#">Networking Systems Specialization</a>		
<a href="#">Program Development/Software Development Specialization</a>		
<a href="#">Project Management Specialization</a>		
<b>Total Credit Hours</b>		<b>120</b>

1.

**Students must complete STA 2023 Statistics and COP 2334 Introduction to C++ Programming Introduction to C++ Programming with a grade of "C" or higher before they can be admitted into 3000 and 4000 level courses. These courses are Common Prerequisites for the program.**

**Note:** Successfully complete the Florida foreign language requirement; see "Foreign Language Requirement" in the Associate in Arts section. Foreign language taken at the college level **does not** satisfy the General Education or Technical Concentration credits

**Note:** Pursuant to Section 1007.25, F.S., beginning with students initially entering a Florida College System institution or state university in the 2018-2019 school year and thereafter, each student must demonstrate competency in civic literacy.

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# Computer Information Systems Technology Specializations

Select one specialization:

- [Cybersecurity Specialization](#)
- [Data Science Specialization](#)
- [Networking Systems Specialization](#)
- [Program Development/Software Development Specialization](#)
- [Project Management Specialization](#)