

**WITHLACOOCHEE TECHNICAL COLLEGE**  
**2022-2023**  
**Applied Cybersecurity - ACS**

**Instructor**

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**Program Length**

750 Hours

**Program Description**

Students will gain a complete, step-by-step approach for learning the fundamentals of cybersecurity. This course maps to Florida Department of Education Post-Secondary Applied Cybersecurity (Y100300) program.

**State Curriculum Frameworks**

Detailed information about the program's standards can be found at the Florida Department of Education website in the program's [curriculum frameworks](#).

**Courses and Timeline**

There are 69 standards which are covered in 2 courses. The first course, Occupational Completion Point (OCP) A, is 600 hours. The second course, OCP B, is 150 hours.

OCP	Course Number	Course Title	Standards
A	CTS0018	Cybersecurity Associate	1 – 60
B	CTS0019	Information Security Manager	61 – 75

**Progress**

All standards must be met to complete the program. Students do not progress in this program at the same pace. There are minimum pacing requirements in order to complete this program on time and prepare for the certification exams.

**Industry Certifications**

This program prepares you to take the CompTIA Security+ industry certification exam. You will be required to take the CompTIA Security+ exam before you complete the program.

**Grade Scale**

100-90% A

89-80%	B
79-70%	C
69-60%	D
Below 59%	F

## How You Are Evaluated

10% of your grade is **classroom** work.

- Working on the curriculum
- Working on assignments
- Completing work in a timely fashion
- Taking tests
- If tests or progress are not documented in Schoology, they are not completed

40% of your grade is **hands-on labs, activities**.

- Performing activities so you learn the material. This is for your benefit
- Turning in assignments in Schoology. If it's not turned in, it's not completed

30% of your grade is **employability** skills and **attendance**.

20% of your grade is Tests & Quizzes

## Industry Requirements

This program is not a lecture style program. The curriculum is a combination of computer based learning and hands-on activities. You will be expected to be able to sit at a desk in front of a computer for extended periods of time.

Many jobs in information technology may require background checks and/or drug tests. This is especially true for jobs in cybersecurity, the government and health sector.

## Learning Activities

Students learn cybersecurity skills in a hands-on setting that closely replicates industry scenarios. Students will also be expected to learn with online curriculum. This includes online labs, reading educational lessons on a computer screen, and watching online videos.

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## Safety

You will be expected to follow industry best practices in regard to safety. This will be covered in the program. For example, wear an electrostatic discharge (ESD) strap, unplug or remove a battery before working on an electronic device.

## Physical Requirements

You will be expected to sit in front of a computer for long periods of time. Although our program includes many hands-on activities, this is technology program operating in a digital environment. Our curriculum and many of our activities are completed on a computer.

## Attendance

Refer to the WTC Student Handbook for the school's attendance policy. Also, refer to the program's rules and expectations document on how unscheduled time away is calculated.

Attendance percent is "time present" divided by "scheduled course hours". Once you have that percentage, you use the rubric below to determine your attendance grade.

Attendance Percent (attended/required)	Attendance Grade Percent Posted in Grade Book
99-100	100
96-98.9	90
92-95.9	80
88-91.9	70
84-87.9	60
80-83.9	50
75-79.9	25
Below 75	0

For example, if you attended class 250 hours (time present) and the scheduled course hours is 300 hours, your attendance percentage is 83.3%. You attended class 83.3% of the time. This means your attendance grade is 50%.

## Discipline

Refer to WTC Student Handbook. Refer to the program's rules and expectations document for more information.

You are in an adult program. It is expected that discipline will not be necessary. Students are expected to exercise self-discipline. A pleasant and fair classroom situation will exist if each member of the class cooperates with each other and places the needs of the class ahead of their personal needs. Complete respect for each other is a must at all times.

Failure to comply with the program's rules and expectations will result in one verbal warning. Second offense will result in a referral to administration. Administration will then decide the appropriate action which can include being put on a contract, suspended, or removed from the program.

## Dress Code

- Business Casual as is worn in a professional office setting
- Button up or polo shirt
- Khakis, slacks, or clean jeans with no holes
- No flip flops, Crocs or open toed shoes allowed (safety reasons)

- No head coverings like hats, caps, hoodies
- Maintain personal hygiene

Please refer to the Student Handbook for additional information pertaining to “Dress Code”.

### **Housekeeping Tasks**

- Phones need to be on silent and put away.
- Maintain a clean desk.
- Clean-up after yourself in the lab / shop.

### **Recommended Websites/Resources**

[CompTIA Certifications](#)

[CompTIA certification training products](#)

### **Unique to Program**

This program is part of the information technology industry. This industry provides great pay and is in high demand. It is also very broad. It ranges from entry level positions in a help desk, to hands-on positions fixing computers, to supporting a network, programming, web design, to a variety of security careers. Security careers include forensics, ethical hacking, and protecting a company from intruders.

In all levels of the information technology field you will find folks who started their careers by being self-taught, earning certifications, or earning bachelors, masters, and doctorate degrees. There is no right path to start a career in the information technology industry. However, there are certain traits you should develop to be successful.

To be successful in this program, you will need to be able to learn and memorize information. You will also need to integrate that information and see how each part fits into the big picture. You will need to be able to ask the right questions and use logic to fix problems. You will also need to develop soft skills like communicating orally and in writing, presenting information, and work in a team. Technical skills + Soft skills = Success!

### **Remote Learning**

This program is taught face-to-face on campus, however, there may be times when remote learning is necessary. During such times, students need access to an internet connection and sufficient technology in order to access the program’s online learning modules.