

# WITHLACOOCHEE TECHNICAL COLLEGE

2022-2023

## Applied Information Technology - AIT

### Instructor

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### Program Length

Single Semester 600 Hours (2 Sessions per Semester), fall semester goes from August until December and spring semester goes from January until May (please refer to school calendar for actual dates).

### Curriculum Frameworks

Florida Department of Education [Curriculum Frameworks](#) for Information Technology Career Certificate Program link.

### Program Description

Students will gain an introduction to computing, HTML, CSS and Python programming.

complete, step-by-step approach for learning the fundamentals of supporting and troubleshooting computer hardware and software. This course maps to the Florida Department of Education Post-Secondary Technology Support Specialist (Y300400) program. It prepares you to take the two CompTIA Exams for the CompTIA A+ industry certification.

### Courses and Timeline

This is a single semester program (600 seat hours) covering 47 standards. For tuition purposes this course is divided into 2 sessions per semester (please see the online program cost). This course is a recommended prerequisite to the Network Systems Administration program (B079300).

### Progress

All standards must be met to complete the program. **There are minimum pacing requirements in order to complete this program on time and prepare for the certification exams.** Not all students progress at the same pace but **must meet minimum pace** to finish the program.

### Industry Certifications

This program prepares you to take the CompTIA 220-1001 and the CompTIA 220-1002 exams during Session 2 of the program. Passing these two exams will earn you the CompTIA A+ certification. The exams are paid for during Session 2 of the program.

### Grade Scale

100-90%	A
89-80%	B
79-70%	C
69-60%	D
Below 59%	F

### How You Are Evaluated

50% 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 is not documented in Canvas, **it is not completed.**

20% of your grade is **hands-on labs, activities.**

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

10% of your grade is **employability** skills. Would I hire you? It's a simple rubric.

- 100% - I would certainly hire you based on your employability traits.
- 67% - I may hire you depending on other applicants. If hired, I would require a trial period (30 or 60 days).
- 33% - You would need to make significant improvements before I hired you.
- 0% - I would not hire you.

20% of your grade is attendance using the rubric from the attendance section below also listed in the student handbook.

### 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 a computer screen, and watching online videos.

### Physical Requirements of Industry

This program is combination lecture and learn environment. 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 to read and listen to the section's lessons. You will be wearing headphones for extended periods of time to do class work. Although there are class discussions, we do our best to maintain a quiet learning environment.

### Safety

You will be expected to follow industry best practices regarding 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.

### 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 percentage is “physical time present” divided by “scheduled course hours”. Once you have that percentage, you use the rubric below to determine your attendance grade.

<b>Attendance Percent (attended/required)</b>	<b>Attendance Grade Percent Posted in Grade Book</b>
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% (see above table).

### Discipline

Refer to WTC 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 always expected.

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 (refer to student handbook)

- Business Casual as is worn in a professional office setting
- Button up or polo shirt
- Khakis, slacks, or clean jeans (no holes or rips permitted)
- No flip flops, Crocs or open toed shoes allowed (safety reasons)
- No head coverings like hats, caps, hoodies. Exceptions need to be approved by administration
- Maintain personal hygiene
- Female equivalent to business casual is acceptable

### 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](#)

## 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 network 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 working 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.

## Industry Job Placement

Most employers will require a drug test and or background checks prior to employment. Furthermore, employers who provide company vehicles may require a clean driving record prior to employment.