

Computer Information Tech: Cyber Defense

Associate of Applied Science

Entry wage: \$64,012* Median wage: \$85,103* Job placement rate: 100%**

A day in the life

Cybersecurity professionals must be skilled data analysts. They review complex security architecture and design diagrams detailing ports and protocols, and they conduct and analyze vulnerability scans. They must also constantly learn to keep up with new threats and how to stop them.

Three reasons to consider this program.

1. The cyber defense job market is growing and offers good salaries.
2. Students can earn valuable industry certifications as they pursue their degree.
3. Students can participate in a paid internship program with an area tech company.

Before you sign up, make sure you understand...

1. This is a two-year A.A.S. career program. If you want to transfer to a university, enroll in an A.A. or A.S. program.
2. The college has a computer science certificate program, which takes less time. Starting salaries in the certificate program tend to be lower.
3. Cyber defense professionals often work in teams. Speech and English courses can improve your communication skills.

Roane State

COLS 1010 Study, Organize, Succeed
ENGL 1010 Composition I
CITC 1300 HTML & CSS
CITC 1302 Intro to Networking
CITC 1310 Programming I
CITC 1301 Programming & Logic

MATH 1010 Math for General Studies
CITC 1303 Database Concepts
CITC 1351 Information Assurance
CITC 2326 Network Security
CITC 1333 Linux LPIC-1

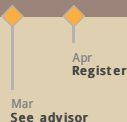
COMM 2025 Fundamentals of Communication
CITC 1321 A+ Hardware
CITC 2352 Digital Forensics
BIOL 1510 Environmental Science
SOCT 1010 Introduction to Sociology

CITC 2356 Penetration Testing and Network Defense
CITC 1311 Programming II
CITC 2399 Co-op/Internship
WEBT 2300 Client Side Programming
PHIL 1040 Introduction to Ethics

1st Fall



1st Spring



2nd Fall



2nd Spring



Key Course: program faculty have identified this course as key to your success
 Recommended Elective: check catalog for other acceptable courses
This map assumes completion of course prerequisites
*Tennessee Department of Labor **Average of 2019 - 2021 graduates