Chattahoochee Technical College

CIST Cybersecurity AAS Degree eMap

1st and 2nd Semester

- CIST 1001 — Computer Concepts
- CST 1401[1] or — Computer Networking Fundamentals

  CIST 1130[1] or — Operating System Concepts
  CIST 2451[1] — Introduction to Networks
- CIST 1122 — Hardware Installation and Maintenance
- CIST 1601[2] — Information Security Fundamentals
- Optional — General Education Core course AND/OR Guided Elective AND/OR Specialization Course(s)

3rd and 4th Semester

- CIST 1602[2] — Security Policies and Procedures
- CIST 2601[2] — Implementing Operating Systems Security
- CIST 2602[2] — Network Security
- CIST 2611[2] — Network Defense & Countermeasures
- CIST 2612[2] — Computer Forensics
- CIST 2613[2] — Ethical Hacking and Penetration Testing
- Remaining courses as needed. — General Education Core course AND/OR Guided Elective AND/OR Specialization Course(s)

[1]Course selection dependent upon Specialization. Cisco requires CIST 1103 and CIST 2451; Microsoft, Linux/Unix, and AWS require CIST 1401

[2]These course have pre or co-requisite requirements. Please refer to the college website/catalog for additional information or discuss with your advisor.

General Education Course

- ENGL 1101 — Composition and Rhetoric
- MATH 1111[3] — College Algebra
- PSYC 1101[3] — Introductory Psychology
- Gen Ed Elective 1[3] — Humanities/Fine Arts Elective
- Gen Ed Elective 2[3] — Additional General Ed Elective

[3]Please refer to the college website/catalog for alternative courses or discuss with your advisor.

Program Notes:

➢ If you have computer or programming skills, consider taking the exemption exams for CIST 1001, CIST 1130, CIST 1305, and/or CIST 1401.

➢ All Cybersecurity degree students are required to complete one specialization.

➢ This eMAP along with meeting regularly with your program advisor and using DegreeWorks will help you stay on track to finish your program as quickly as possible and graduate from CTC.

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Meet with one of your Faculty Advisors every term:

Charles Chapman (Woodstock)
charles.champman@chattahoocheetech.edu

Steven Tate (Marietta)
steven.tate@chattahoocheetech.edu

CIST Cybersecurity AAS Degree eMap

Security Specializations

Linux/UNIX Specialization

• CIST 1401	Computer Networking Fundamentals (if not already completed)
• CIST 2431	UNIX/Linux Introduction[3]
• CIST 2434	UNIX/Linux Advanced Server[3]
• CIST 2432	UNIX/Linux Server[3]
• CIST 2433	UNIX/Linux Scripting[3]

Microsoft Specialization

• CIST 1401	Computer Networking Fundamentals (if not already completed)
• CIST 2411	Microsoft Windows Client[2]
• CIST 2412	Microsoft Server Administration[2]
• CIST 2413	Microsoft Server Infrastructure[3]
• CIST 2414	Microsoft Server Administrator[3]

CISCO Exploration Specialization

• CIST 1130	Operating Systems Concepts (if not already completed)
• CIST 2451	Introduction to Networks – CISCO
• CIST 2452	CISCO Routing & Switching Essentials[3]
• CIST 2453	Enterprise Networking, Security, and Automation[3]
• Guided Elective	*See list of Cybersecurity Guided Electives below*

AWS Cloud Solutions Specialization

• CIST 1401	Computer Networking Fundamentals (if not already completed)
• CIST 1130	Operating Systems Concepts (if not already completed)
• CIST 2480	AWS Cloud Foundations
• CIST 2481	AWS Cloud Architecting[2]
• CIST 2482	AWS Cloud Developing[2]

[2]These course have pre or co-requisite requirements. Please refer to the college website/catalog for additional information or discuss with your advisor.
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CIST Cybersecurity AAS Degree eMap

Cybersecurity Guided Electives

• CIST 1130	Operating Systems Concepts
• CIST 1220	Structured Query Language (SQL)
• CIST 1305	Program Design and Development
• CIST 1401	Computer Networking Fundamentals
• CIST 1510	Web Development I
• CIST 2411	Microsoft Client
• CIST 2480	AWS Cloud Foundations
• CIST 2481	AWS Cloud Architecting
• CIST 2620	Computer Security and Corporate Fraud
• CIST 2742	Beginning Python Programming
• CRJU 1010	Introduction to Criminal Justice
• CRJU 1062	Methods of Criminal Investigation
• COMP 1000	Introduction to Computer Literacy