



## CIST Cybersecurity Diploma eMap

### 1<sup>st</sup> and 2<sup>nd</sup> Semester

• CIST 1001	Computer Concepts
• CST 1401 <sup>1</sup> or CIST 1130 <sup>1</sup> or CIST 2451 <sup>1</sup>	Computer Networking Fundamentals Operating System Concepts Introduction to Networks
• CIST 1122	Hardware Installation and Maintenance
• CIST 1601 <sup>2</sup>	Information Security Fundamentals

### 3<sup>rd</sup> and 4<sup>th</sup> Semester

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

<sup>1</sup>Course selection dependent upon Specialization.  
Cisco requires CIST 1130 and CIST 2451; Microsoft,  
Linux/Unix, and AWS require CIST 1401

<sup>2</sup>These courses have pre- or co-requisite  
requirements. Please refer to the college  
website/catalog for additional information or  
discuss with your advisor.

<sup>3</sup>If there is any chance of transferring to the  
cybersecurity degree program, take the 11XX  
equivalent of these courses instead. See an advisor  
for details.

### General Education Courses

• ENGL 1010 <sup>3</sup>	Fundamentals of English I
• MATH 1012 <sup>3</sup>	Foundations of Mathematics
• PSYC 1010 <sup>3</sup>	Basic Psychology

#### Program Notes:

- If you have computer or programming skills, consider taking the exemption exams for CIST 1001, CIST 1130, and/or CIST 1401.
- All Cybersecurity diploma students are required to complete one specialization.
- A total of at least 58 credit hours are required for the diploma.
- This eMAP along with meeting regularly with your program advisors and using DegreeWorks will help you stay on track to finish your program as quickly as possible and graduate.

#### Meet with one of your Academic Advisors every term:

**Bridget Barley** (Marietta)

[bridget.barley@chattahoocheetech.edu](mailto:bridget.barley@chattahoocheetech.edu)

**Sarah Williams** (North Metro)

[sarah.williams@chattahoocheetech.edu](mailto:sarah.williams@chattahoocheetech.edu)

#### Meet with a Faculty Advisor periodically for a check-up:

**Charles Chapman** (Woodstock)

[charles.chapman@chattahoocheetech.edu](mailto:charles.chapman@chattahoocheetech.edu)

# CIST Cybersecurity Diploma eMap

## Security Specializations - Select One

### Linux/UNIX Specialization

<ul style="list-style-type: none"><li>• CIST 1401</li><li>• CIST 2431</li><li>• CIST 2434</li><li>• Elective</li></ul>	Computer Networking Fundamentals (if not already completed) UNIX/Linux Introduction <sup>2</sup> UNIX/Linux Advanced Server <sup>2</sup> Select from the <i>Cybersecurity Guided Electives</i> list below
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### Microsoft Specialization

<ul style="list-style-type: none"><li>• CIST 1401</li><li>• CIST 2411</li><li>• CIST 2412</li><li>• Elective</li></ul>	Computer Networking Fundamentals (if not already completed) Microsoft Windows Client <sup>2</sup> Microsoft Server Administration <sup>2</sup> Select from the <i>Cybersecurity Guided Electives</i> list below
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### Cisco Specialization

<ul style="list-style-type: none"><li>• CIST 1130</li><li>• CIST 2451</li><li>• CIST 2452</li><li>• Elective</li></ul>	Operating Systems Concepts Introduction to Networks – CISCO <sup>2</sup> Cisco Routing & Switching Essentials <sup>2</sup> Select from the <i>Cybersecurity Guided Electives</i> list below
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### AWS Cloud Solutions Specialization

<ul style="list-style-type: none"><li>• CIST 1401</li><li>• CIST 1130</li><li>• CIST 2480</li><li>• CIST 2481</li></ul>	Computer Networking Fundamentals (if not already completed) Operating Systems Concepts (if not already completed) AWS Cloud Foundation AWS Cloud Architecting
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<sup>2</sup>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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## Cybersecurity Guided Electives

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• 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
• CIST 2991	CIST Internship I
• CRJU 1010	Introduction to Criminal Justice
• CRJU 1062	Methods of Criminal Investigation

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