# CIST Cybersecurity eMAP

## START HERE Program of Study: CIST Cybersecurity AAS Degree

### 1st set of suggested courses

*Area I*

**ENGL 1101** - Composition and Rhetoric (3 credit hours)

*Area III (Choose one)*

**MATH 1103** - Quantitative Skills and Reasoning (3 credit hours)

**MATH 1111** - College Algebra (3 credit hours)

**MATH 1127** - Introduction to Statistics (3 credit hours)

**MATH 1113** – Precalculus (3 credit hours)

*Occupational*

**CIST 1001** - Computer Concepts (4 credit hours)

**CIST 1601** - Information Security Fundamentals (3 credit hours)

### 2nd set of suggested courses

*Occupational*

**CIST 1122** - Hardware Installation and Maintenance (4 credit hours)

**CIST 1130** - Operating Systems Concepts (3 credit hours)

**CIST 1401** - Computer Networking Fundamentals (4 credit hours)

**CIST 1602** - Security Policies and Procedures (3 credit hours)

### 3rd set of suggested courses

*Area II (Choose one)*

**PSYC 1101 -** Introductory Psychology (3 credit hours)

**POLS 1101 -** American Government (3 credit hours)

**POLS 2401 -** Global Issues (3 credit hours)

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**SOCI 1101 -** Introduction to Sociology (3 credit hours)

**SOCI 2600 -** Introduction to Social Problems (3 credit hours)

**ECON 1101 -** Principles of Economics (3 credit hours)

**ECON 2105 –** Macroeconomics (3 credit hours)

**ECON 2106 –** Microeconomics (3 credit hours)

**HIST 1111 -** World History I (3 credit hours)

**HIST 1112 -** World History II (3 credit hours)

**HIST 2111 -** U.S. History I (3 credit hours)

**HIST 2112 -** U.S. History II (3 credit hours)


## *Occupational*

**CIST 2601** - Implementing Operating System Security (4 credit hours)

## *Specialization Start (Choose one path)*

**Cisco Specialization:**

- **CIST 2451** - Introduction to Networks - Cisco (4 credit hours)
- **CIST 2452** - Cisco Routing and Switching Essentials (4 credit hours)

**Microsoft Specialization:**

- **CIST 2411** - Microsoft Client (4 credit hours)
- **CIST 2412** - Microsoft Server Installation & Maintenance (4 credit hours)

**UNIX/Linux Specialization:**

- **CIST 2431** - UNIX/Linux Introduction (4 credit hours)
- **CIST 2434** - UNIX/Linux Scripting (4 credit hours)

**AWS Cloud Solutions Specialization:**

- **CIST 2480** - AWS Cloud Foundations (4 credit hours)
- **Guided Elective** - (Choose one from the list, 3-4 credit)

# CIST Cybersecurity eMAP

## 4th set of suggested courses

### *Occupational*

**CIST 2602** - Network Security (4 credit hours)

### *Specialization*

**Cisco Specialization:**

- **CIST 2453** - Enterprise Networking, Security, and Automation (4 credit hours)

**Microsoft Specialization:**

- **CIST 2413** - Microsoft Server Networking (4 credit hours)
- **CIST 2414** – Windows Server Identity (4 credit hours)

**UNIX/Linux Specialization**

- **CIST 2432** - UNIX/Linux Server (4 credit hours)
- **CIST 2433** – UNIX/Linux Advanced Server. (4 credit hours)

**AWS Cloud Solutions Specialization:**

- **CIST 2481** - AWS Cloud Architecting (4 credit hours)
- **CIST 2482** - AWS Cloud Developing (4 credit hours)

## 5th set of suggested courses

### *Area IV (Choose one)*

**ARTS 1101 -** Art Appreciation (3 credit hours)

**ENGL 2110 -** World Literature (3 credit hours)

**ENGL 2130 -** American Literature (3 credit hours)

**ENGL 2310 -** English Literature from the Beginnings to 1700 (3 credit hours)

**HUMN 1101 -** Introduction to Humanities (3 credit hours)

**MUSC 1101 -** Music Appreciation (3 credit hours)

**MUSC 2040 -** History of Popular Music (3 credit hours)

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**THEA 1101** - Theater Appreciation (3 credit hours)

## *Occupational*

**CIST 2611 –** Network Defense and Countermeasures (4 Credits)

**CIST 2612** - Computer Forensics (4 credit hours)

**CIST 2613** - Ethical Hacking and Penetration Testing (4 credit hours)

## Guided Electives

**CIST 1130** - Operating Systems Concepts (3 credit hours)
**CIST 1220** - Structured Query Language (SQL) (4 credit hours)
**CIST 1305** - Program Design and Development (3 credit hours)
**CIST 1401** - Computer Networking Fundamentals (4 credit hours)
**CIST 1510** - Web Development I (4 credit hours)
**CIST 2411** - Microsoft Client (4 credit hours)
**CIST 2480** - AWS Cloud Foundations (4 credit hours)
**CIST 2481** - AWS Cloud Architecting (4 credit hours)
**CIST 2620** - Computer Security and Corporate Fraud (3 credit hours)
**CIST 2742** - Beginning Python Programming (4 credit hours)
**CIST 2991** - CIST Internship I (3 credit hours)
**CRJU 1010** - Introduction to Criminal Justice (3 credit hours)
**CRJU 1062** - Methods of Criminal Investigation (3 credit hours)
**COMP 1000** - Introduction to Computer Literacy (3 credit hours)

**TOTAL CREDIT HOURS: 70-72**

*\*This emap along with meeting with your program advisor will help you graduate from Chattahoochee Technical College as quickly as possible.*

*Cybersecurity Program Advisors:*

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