

CIST Networking Specialist AAS Degree eMap

1st Semester

<ul style="list-style-type: none"> • COMP 1000¹ • CIST 1001 • CST 1601 • Gen Ed.² 	Intro. to Computer Literacy Computer Concepts Info. Security Fundamentals General Education Course
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2nd Semester

<ul style="list-style-type: none"> • CIST 1122 • CIST 1130 • CIST 1401 • Gen Ed.² 	Hardware Install. & Maint. Operating Systems Concepts Computer Networking Fund. General Education Course
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3rd Semester

<ul style="list-style-type: none"> • Gen Ed.² • CIST 1602¹ or 2nd Gen. Ed.² • Begin 1st Specialization (1-2 courses) 	General Education Course Security Policies & Procedures General Education Course See detail of Specializations available
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4th Semester

<ul style="list-style-type: none"> • Complete 1st Specialization (1-2 courses) • Begin 2nd Specialization (1-2 courses) 	See detail of Specializations available
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¹Students may choose to take COMP1000 or CIST1602. CIST1602 has a pre-requisite requirement of CIST 1601

²Degree-seeking students are required to complete 15 credit hours of General Education courses.

4th Semester (continued)

Complete 2 nd Specialization (1-2 courses) Gen Ed. ² (take two)	See detail of Specializations available General Education Course
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Program Notes:

- If you have computer or programming skills, consider taking the exemption exams for CIST 1001 and CIST 1305.
- All Networking AAS Degree students are required to complete two specializations.
- 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.

Meet with one of your Faculty Advisors every term:

Cleo Okere (Marietta)
COkere@chattahoocheetech.edu

Kwadwo Bonsu (Marietta)
Kwadwo.Bonsu@chattahoocheetech.edu

Mike Carroll (North Metro)
MCarroll@chattahoocheetech.edu

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Networking Specializations

Linux/UNIX Specialization

CIST 2431	UNIX/Linux Introduction
CIST 2434	UNIX/Linux Advanced Server
CIST 2432	UNIX/Linux Server
CIST 2433	UNIX/Linux Scripting

Microsoft Specialization

CIST 2411	Microsoft Windows Client
CIST 2412	Microsoft Server Administration
CIST 2413	Microsoft Server Infrastructure
CIST 2414	Microsoft Server Administrator

CISCO Exploration Specialization

CIST 2451	Introduction to Networks – CISCO
CIST 2452	CISCO Routing & Switching Essentials
CIST 2453	Enterprise Networking, Security, and Automation
Guided Elective	<i>See list of CISCO Guided Electives below</i>

AWS Cloud Solutions Specialization

CIST 2480	AWS Cloud Foundations
CIST 2481	AWS Cloud Architecting
CIST 2482	AWS Cloud Developing
Guided Elective	<i>See list of AWS Cloud Guided Electives below</i>

CISCO Exploration Guided Electives

CIST 2480	AWS Cloud Foundations
CIST 2481	AWS Cloud Architecting
CIST 2601	Implementing Operating Systems Security
CIST 2602	Network Security
CIST 2611	Network Defense & Countermeasures
CIST 2612	Computer Forensics
CIST 2613	Ethical Hacking & Penetration Testing

AWS Cloud Solutions Guided Electives

CIST 1401	Computer Networking Fundamentals
CIST 2412	Microsoft Server Installation & Maintenance
CIST 2451	Introduction to Networks - CISCO