

CIST Networking Specialist Diploma eMap

1st Semester

<ul style="list-style-type: none"> • CIST 1122 • CIST 1130 • CST 1401 • 1st Gen Ed.¹ 	Hardware Install. & Maint. Operating Systems Concepts Computer Network Fund. General Education Course
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2nd Semester

<ul style="list-style-type: none"> • CIST 1601 • Begin 1st Specialization (1-2 courses) • 2nd Gen. Ed.¹ 	Info. Security Fundamentals See detail of Specializations available General Education Course
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3rd Semester

<ul style="list-style-type: none"> • Complete 1st Specialization (1-2 courses) • Begin 2nd Specialization (1-2 courses) 	See detail of Specializations available See detail of Specializations available
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4th Semester

<ul style="list-style-type: none"> • Complete 2nd Specialization (1-2 courses) • 3rd Gen. Ed.¹ 	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 Specialist Diploma students are required to complete two specializations.
 - Linux/UNIX
 - Microsoft
 - CISCO Exploration
 - AWS Cloud Solutions
- Diploma-seeking students are required to complete three (3) General Education Core Courses: ENGL 1010, MATH 1012 & PSYC 1010
- 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

CIST Networking Specialist AAS Degree eMap

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 Explorations 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 Solutions 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

