

Networking Specialist (NS14)

Diploma eMap

This eMap, along with regular meetings with your program advisor and using DegreeWorks, will help you remain on track to finish your program as quickly as possible and graduate from Georgia Northwestern Technical College. This eMap is intended to be used when beginning the program in Fall semester. Starting the program in Spring or Summer semesters may alter the suggested courses or course availability. This pathway is based on the 2026-2027 academic year.



The Networking Specialist Diploma offers specializations in Cisco OR Microsoft. Student should choose a Specialization and follow that eMap; CISCO Specialization (page 1) OR Microsoft Specialization (page 2). Please note, the 1st set of suggested courses are the same for both Specializations.

CISCO SPECIALIZATION

1 st set of suggested courses			
Course		Hours	Completed
COMP 1000	Introduction to Computer Literacy	3	☐
CIST 1001	Computer Concepts	4	☐
CIST xxxx	Computer Operating System Course (Recommended Course: CIST 1135, Operating Systems and Virtual Cloud Computing, 4 credits)	3	☐
CIST 2451	Introduction to Networks – CISCO	4	☐

CIST 2451 is the recommended course as it serves as a prerequisite for specialization courses. Additional courses may be available to meet this requirement but may extend the program length. See Course Catalog for more info.

2 nd set of suggested courses			
Course		Hours	Completed
CIST 2452	Cisco Switching, Routing and Wireless Essentials (Prerequisite: CIST 2451)	4	☐
CIST xxxx	CIST Security Course (Recommended Course: CIST 1601, Information Security Fundamentals)	3	☐
ENGL 1005	Applied Technical Communication	3	☐
CIST xxxx	CIST Networking Elective	4	☐

3 rd set of suggested courses			
Course		Hours	Completed
CIST 2453	Enterprise Networking, Security, and Automation (Prerequisite: CIST 2452)	4	☐
CIST xxxx	CIST Elective	4	☐
CIST 1122	Hardware Installation and Maintenance	4	☐

4 th set of suggested courses			
Course		Hours	Completed
CIST xxxx	CIST Elective	5	☐
EMPL 1000	Interpersonal Relations and Professional Development	2	☐
CIST xxxx	CIST Guided Elective	4	☐
MATH 1012	Foundation of Math	3	☐

Total Credit Hours: 54 Minimum Credit Hours Required for Graduation

Networking Specialist Diploma Planning Notes:

- Courses for this program are offered at the Floyd County Campus, Gordon County Campus, Polk County Campus, and Walker County Campus.
- All CIST programs require windows-based PC. Chromebooks and Mac and Linux based computers are not compatible.
- CIST courses are valid for a period of 5 years after completion (Excludes COMP 1000).
- To meet state standards, students should take CIST courses listed on this pathway rather than additional options listed in Course Catalog.
- The program advisor for NS14 is Dwight Watt, [dwatt@gntc.edu](mailto:d watt@gntc.edu).

Additional information for the Networking Specialist Diploma and program requirements can be found at 2026-2027 Catalog.

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MICROSOFT SPECIALIZATION

1 st set of suggested courses			
Course		Hours	Completed
COMP 1000	Introduction to Computer Literacy	3	☐
CIST 1001	Computer Concepts	4	☐
CIST xxxx	Computer Operating Systems Course (Recommended Course: CIST 1135, Operating Systems and Virtual Cloud Computing, 4 credits)	3	☐
CIST 2451	Introduction to Networks – CISCO	4	☐

2 nd set of suggested courses			
Course		Hours	Completed
CIST 2411	Microsoft Client	4	☐
CIST xxxx	CIST Security Course (Recommended Course: CIST 1601, Information Security Fundamentals)	3	☐
ENGL 1005	Applied Technical Communication	3	☐
CIST xxxx	CIST Elective	4	☐

3 rd set of suggested courses			
Course		Hours	Completed
CIST 2412	Microsoft Server Installation and Maintenance	4	☐
CIST xxxx	CIST Elective	5	☐
CIST 1122	Hardware Installation and Maintenance	4	☐

4 th set of suggested courses			
Course		Hours	Completed
EMPL 1000	Interpersonal Relations and Professional Development	2	☐
CIST 2413	Microsoft Server Networking	4	☐
CIST xxxx	Microsoft Elective (Required Course: CIST 2414, Microsoft Server Identity Services)	3	☐
MATH 1012	Foundations of Mathematics	3	☐

Total Credit Hours: 54 Minimum Credit Hours Required for Graduation

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- To meet state standards, students should take CIST courses listed on this pathway rather than alternative options listed in Course Catalog.
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