Networking Specialist (NS13)
Associate of Applied Science 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 2024-2025 academic year.

The Networking Specialist AAS Degree 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

Additional information for the Networking Specialist AAS Degree and program requirements can be found at GNTC 2024-2025 Catalog.

1st 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: 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.

2nd set of suggested courses

Course		Hours	Completed
CIST 1122	Hardware Installation and Maintenance	4	☐
CIST 2452	Cisco Switching, Routing and Wireless (Prerequisite: CIST 2451)	4	☐
CIST 1601	CIST Security Course (Recommended: CIST 1601, Information Security Fundamentals)	3	☐
ENGL 1101	Composition and Rhetoric	3	☐

3rd set of suggested courses

Course		Hours	Completed
CIST 2453	Enterprise Networking, Security, and Automation (Prerequisite: CIST 2452)	4	☐
CIST xxxx	CIST Elective	4	☐
CIST xxxx	CIST Elective	4	☐

4th set of suggested courses

Course		Hours	Completed
CIST xxxx	CIST Networking Elective	4	☐
CIST xxxx	CIST Elective	4	☐
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐
CIST xxxx	CIST Guided Elective	4	☐

5th set of suggested courses

Course		Hours	Completed
CIST xxxx	CIST Elective	2	☐
XXXX xxxx	Social/ Behavioral Sciences Elective (Recommended Course: PSYC 1101, Introductory to Psychology)	3	☐
MATH 1103 OR MATH 1111	Quantitative Skills and Reasoning OR College Algebra	3	☐
XXXX xxxx	General Education Core Elective	3	☐

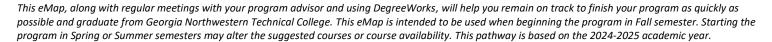**Total Credit Hours: 66 Minimum Credit Hours Required for Graduation**

Networking Specialist AAS Degree 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 alternative options listed in Course Catalog.

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MICROSOFT SPECIALIZATION

1st 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. Additional courses may be available to meet this requirement. See Course Catalog for more info.

2nd set of suggested courses

Course		Hours	Completed
CIST 1122	Hardware Installation and Maintenance	4	☐
CIST 2411	Microsoft Client	4	☐
CIST xxxx	CIST Security Course (Recommended Course: CIST 1601, Information Security Fundamentals)	3	☐
ENGL 1101	Composition and Rhetoric	3	☐

3rd set of suggested courses

Course		Hours	Completed
CIST 2412	Microsoft Server Installation and Maintenance	4	☐
CIST xxxx	CIST Elective	4	☐
CIST xxxx	CIST Elective	4	☐

4th set of suggested courses

Course		Hours	Completed
CIST 2413	Microsoft Server Networking	4	☐
CIST xxxx	CIST Elective	4	☐
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐
CIST xxxx	CIST Elective	2	☐

5th set of suggested courses

Course		Hours	Completed
CIST xxxx	Microsoft Elective (Required Course: CIST 2414, Windows Server Identity Services)	4	☐
XXXX xxxx	Social/ Behavioral Sciences Elective (Recommended Course: PSYC 1101, Introductory to Psychology)	3	☐
MATH 1103 OR MATH 1111	Quantitative Skills and Reasoning OR College Algebra	3	☐
XXXX xxxx	General Education Core Elective	3	☐

Total Credit Hours: 66 Minimum Credit Hours Required for Graduation

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