

# 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 2026-2027 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 1<sup>st</sup> set of suggested courses are the same for both Specializations.

### CISCO SPECIALIZATION

| 1 <sup>st</sup> set of suggested courses |                                                                                                                        |       |                          |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                                                                        | Hours | Completed                |
| COMP 1000                                | Introduction to Computer Literacy                                                                                      | 3     | <input type="checkbox"/> |
| CIST 1001                                | Computer Concepts                                                                                                      | 4     | <input type="checkbox"/> |
| CIST xxxx                                | Computer Operating System Course<br>(Recommended: CIST 1135, Operating Systems and Virtual Cloud Computing, 4 credits) | 3     | <input type="checkbox"/> |
| CIST 2451                                | Introduction to Networks - CISCO                                                                                       | 4     | <input type="checkbox"/> |

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 <sup>nd</sup> set of suggested courses |                                                                                  |       |                          |
|------------------------------------------|----------------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                                  | Hours | Completed                |
| CIST 1122                                | Hardware Installation and Maintenance                                            | 4     | <input type="checkbox"/> |
| CIST 2452                                | Cisco Switching, Routing and Wireless<br>(Prerequisite: CIST 2451)               | 4     | <input type="checkbox"/> |
| CIST 1601                                | CIST Security Course (Recommended: CIST 1601, Information Security Fundamentals) | 3     | <input type="checkbox"/> |
| ENGL 1101                                | Composition and Rhetoric                                                         | 3     | <input type="checkbox"/> |

| 3 <sup>rd</sup> set of suggested courses |                                                                           |       |                          |
|------------------------------------------|---------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                           | Hours | Completed                |
| CIST 2453                                | Enterprise Networking, Security, and Automation (Prerequisite: CIST 2452) | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                                                             | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                                                             | 4     | <input type="checkbox"/> |

| 4 <sup>th</sup> set of suggested courses |                                |       |                          |
|------------------------------------------|--------------------------------|-------|--------------------------|
| Course                                   |                                | Hours | Completed                |
| CIST xxxx                                | CIST Networking Elective       | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                  | 4     | <input type="checkbox"/> |
| XXXX xxxx                                | Humanities/ Fine Arts Elective | 3     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Guided Elective           | 4     | <input type="checkbox"/> |

| 5 <sup>th</sup> set of suggested courses |                                                                                                     |       |                          |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                                                     | Hours | Completed                |
| CIST xxxx                                | CIST Elective                                                                                       | 2     | <input type="checkbox"/> |
| XXXX xxxx                                | Social/ Behavioral Sciences Elective<br>(Recommended Course: PSYC 1101, Introductory to Psychology) | 3     | <input type="checkbox"/> |
| MATH 1103<br>OR<br>MATH 1111             | Quantitative Skills and Reasoning<br>OR<br>College Algebra                                          | 3     | <input type="checkbox"/> |
| XXXX xxxx                                | General Education Core Elective                                                                     | 3     | <input type="checkbox"/> |

**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.
- The program advisor for NS13 is Dwight Watt, [dwatt@gntc.edu](mailto:dwatt@gntc.edu).

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



### MICROSOFT SPECIALIZATION

| 1 <sup>st</sup> set of suggested courses |                                                                                                                               |       |                          |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                                                                               | Hours | Completed                |
| COMP 1000                                | Introduction to Computer Literacy                                                                                             | 3     | <input type="checkbox"/> |
| CIST 1001                                | Computer Concepts                                                                                                             | 4     | <input type="checkbox"/> |
| CIST xxxx                                | Computer Operating System Course<br>(Recommended Course: CIST 1135, Operating Systems and Virtual Cloud Computing, 4 credits) | 3     | <input type="checkbox"/> |
| CIST 2451                                | Introduction to Networks - CISCO                                                                                              | 4     | <input type="checkbox"/> |

CIST 2451 is the recommended course. Additional courses may be available to meet this requirement. See Course Catalog for more info.

| 2 <sup>nd</sup> set of suggested courses |                                                                                         |       |                          |
|------------------------------------------|-----------------------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                                         | Hours | Completed                |
| CIST 1122                                | Hardware Installation and Maintenance                                                   | 4     | <input type="checkbox"/> |
| CIST 2411                                | Microsoft Client                                                                        | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Security Course (Recommended Course: CIST 1601, Information Security Fundamentals) | 3     | <input type="checkbox"/> |
| ENGL 1101                                | Composition and Rhetoric                                                                | 3     | <input type="checkbox"/> |

| 3 <sup>rd</sup> set of suggested courses |                                               |       |                          |
|------------------------------------------|-----------------------------------------------|-------|--------------------------|
| Course                                   |                                               | Hours | Completed                |
| CIST 2412                                | Microsoft Server Installation and Maintenance | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                                 | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                                 | 4     | <input type="checkbox"/> |

| 4 <sup>th</sup> set of suggested courses |                                |       |                          |
|------------------------------------------|--------------------------------|-------|--------------------------|
| Course                                   |                                | Hours | Completed                |
| CIST 2413                                | Microsoft Server Networking    | 4     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                  | 4     | <input type="checkbox"/> |
| XXXX xxxx                                | Humanities/ Fine Arts Elective | 3     | <input type="checkbox"/> |
| CIST xxxx                                | CIST Elective                  | 2     | <input type="checkbox"/> |

| 5 <sup>th</sup> set of suggested courses |                                                                                                     |       |                          |
|------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|--------------------------|
| Course                                   |                                                                                                     | Hours | Completed                |
| CIST xxxx                                | Microsoft Elective (Required Course: CIST 2414, Windows Server Identity Services)                   | 4     | <input type="checkbox"/> |
| XXXX xxxx                                | Social/ Behavioral Sciences Elective<br>(Recommended Course: PSYC 1101, Introductory to Psychology) | 3     | <input type="checkbox"/> |
| MATH 1103<br>OR<br>MATH 1111             | Quantitative Skills and Reasoning<br>OR<br>College Algebra                                          | 3     | <input type="checkbox"/> |
| XXXX xxxx                                | General Education Core Elective                                                                     | 3     | <input type="checkbox"/> |

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

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