Cybersecurity (IS23)
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 eMap is based on the 2024-2025 academic year.

1st set of suggested courses

Course		Hours	Completed
COMP 1000	Introduction to Computer Literacy	3	☐
CIST 1001	Computer Concepts	4	☐
CIST 1122	Hardware Installation and Maintenance	4	☐
CIST 1601	Information Security Fundamentals	3	☐

2nd set of suggested courses

Course		Hours	Completed
CIST xxxx	CIST Elective (Recommended course: CIST 1135, Operating Systems and Virtual/ Cloud Computing)	4	☐
CIST 2451	Introduction to Networks – CISCO	4	☐
CIST 1602	Security Policies and Procedures	3	☐
CIST xxxx	CIST Networking Elective Course (Recommended course: CIST 2431, UNIX/ Linux Introduction)	4	☐

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

3rd set of suggested courses

Course		Hours	Completed
CIST 2601	Implementing Operating Systems Security (Prerequisites: CIST 1601)	4	☐
CIST xxxx	CIST Networking Elective Course (Recommended course: CIST 2452, Cisco Switching, Routing & Wireless Essentials; Prerequisite: CIST 2451)	4	☐
CIST 2612	Computer Forensics (Prerequisites: CIST 1122 and CIST 1601)	4	☐
ENGL 1101	Composition and Rhetoric	3	☐

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

4th set of suggested courses

Course		Hours	Completed
XXXX xxxx	Humanities/ Fine Arts Elective	3	☐
CIST 2613	Ethical Hacking and Penetration Testing (Prerequisite: CIST 1601)	4	☐
CIST 2453	CIST Networking Elective Course (Recommended course: Enterprise Networking, Security, and Automation; Prerequisite: CIST 2452)	4	☐
CIST 2602	Network Security (Prerequisites: CIST 1601)	4	☐

5th set of suggested courses

Course		Hours	Completed
XXXX xxxx	Social/ Behavioral Sciences Elective	3	☐
CIST 2611	Network Defense and Countermeasures (Prerequisites: CIST 1601)	4	☐
XXXX xxxx	General Education Core Elective	3	☐
MATH 1111	College Algebra	3	☐

MATH 1111 is the recommended course. Additional courses may be available to meet that requirement. See Course Catalog for more info.

Total Credit Hours: 72 Minimum Credit Hours Required for Graduation

Cybersecurity AAS Degree Program Planning Notes:
- Courses for this program are available at the Catoosa County Campus and also available 100% online.
- ALL CIST programs require windows-based PC.
- Chromebooks and Mac and Linux based computers are not compatible with programs.
- All CIST courses are valid for a period of 5 years after completion.
- COMP 1000 is valid for a period of 5 years after completion.
- CIST 1510 and CIST 2531 require an Adobe Creative Cloud subscription.
- If courses are completed in the order as listed on this eMap, student will earn:
  1) CompTIA A+ Certified Technician Preparation (CA71) Certificate, PC Repair and Network Technician (PR21) Certificate, and Cybersecurity Fundamentals (CW71) Certificate at the end of the 2nd set.
  2) Computer Forensics and Security Specialist (CF51) Certificate and CISCO Network Specialist (CN71) Certificate at the end of the 4th set.
  3) Network Specialist (NS13) AAS Degree – CISCO Specialization.

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Georgia Northwestern Technical College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees.