

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 2026-2027 academic year.



1 st set of suggested courses			
Course		Hours	Completed
CIST 2451	Introduction to Networks – CISCO	4	☐
CIST 1001	Computer Concepts	4	☐
CIST 1122	Hardware Installation and Maintenance	4	☐
CIST 1601	Information Security Fundamentals	3	☐

2 nd set of suggested courses			
Course		Hours	Completed
CIST xxxx	CIST Elective (Recommended course: CIST 1135, Operating Systems and Virtual/ Cloud Computing)	4	☐
CIST xxxx	CIST Networking Elective Course (Recommended course: CIST 2452, Cisco Switching, Routing & Wireless Essentials; Prerequisite: CIST 2451)	4	☐
CIST 1602	Security Policies and Procedures	3	☐
CIST xxxx	CIST Networking Elective Course (Recommended course: CIST 2431, UNIX/ Linux Introduction)	4	☐

CIST 2452 and CIST 2431 are offered in Spring semester only.

3 rd set of suggested courses			
Course		Hours	Completed
COMP 1000	Introduction to Computer Literacy	3	☐
CIST 2453	CIST Networking Elective Course (Recommended course: Enterprise Networking, Security, and Automation; Prerequisite: CIST 2452)	4	☐
CIST 2602	Network Security (Prerequisites: CIST 1601 and CIST 2451*)	4	☐
ENGL 1101	Composition and Rhetoric	3	☐

CIST 2453 is offered in Summer semester only.

4 th 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 2612	Computer Forensics (Prerequisites: CIST 1122 and CIST 1601)	4	☐
XXXX xxxx	Social/ Behavioral Sciences Elective	3	☐

CIST 2613 and CIST 2612 are offered in Fall semester only.

5 th set of suggested courses			
Course		Hours	Completed
CIST 2601	Implementing Operating Systems Security (Prerequisites: CIST 1601 and CIST 2451*)	4	☐
CIST 2611	Network Defense and Countermeasures (Prerequisites: CIST 1601 and CIST 2451*)	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.
- *Course is a recommended pre-requisite.
- The Program Advisor for IS23 is Rocky Spurlock, rspurlock@gntc.edu.

Additional information for the Cybersecurity AAS Degree and program requirements can be found at [GNTC 2026-2027 Catalog](#).