University of North Georgia   2025-2026 Undergraduate Catalog

Cybersecurity (B.S.)

Location(s): Dahlonega

120 hours

Graduates of the Bachelor of Science in Cybersecurity program at the University of North Georgia will be able to securely provision systems, protect and defend networks, analyze threats and investigate incidents.

Graduates of this program will be able to:

- Conceptualize, design, and build secure information technology (IT) systems,
- Identify, analyze, and mitigate threats to internal information technology (IT) systems and networks,
- Perform highly-specialized review and evaluation of incoming cybersecurity information, and
- Investigate and recover from cybersecurity incidents.

Core IMPACTS - 42 hours

Refer to Core IMPACTS

Institution: No exceptions

Mathematics: MATH 1113 or MATH 1450 required

Citizenship: No exceptions

Humanities: No exceptions

Writing: No exceptions

STEM: MATH 1401 required

Social Sciences: No exceptions

Field of Study - 18 hours

- CRJU 1100 - Introduction to Criminal Justice
- CSCI 1301 - Computer Science I
- **or** CSCI 1301K - Computer Science I
- CSCI 1411 - Script Programming
- CYBR 2050 - Applied Cybersecurity
- MATH 2510 - Introduction to Discrete Mathematics

- 1xxx or 2xxx-level CSCI or Modern Language

Major Requirements - 60 hours

Required Courses - 36 hours

- CSCI 3000 - Web Programming
- CSCI 3250 - Computer Security
- CSCI 3350 - Computer Forensics
- CSCI 4650 - Network Security
- CSCI 4880 - Application of Machine Learning to Computer Security
- CYBR 3410 - Database Security
- CYBR 3510 - Data Networks
- CYBR 3800 - Linux Operating System
- CYBR 4250 - Reverse Engineering
- CYBR 4450 - Secure Software Development
- CYBR 4950 - Cyber Capstone Project
- 3xxx or 4xxx CYBR, CSCI, or CRJU elective

Minor or Electives - 15-18 hours

At least 3 hours at 3000-4000-level.

Electives

To bring total credits to 120 hours.

Other Requirements

- US and Georgia History Requirements
- US and Georgia Constitution Requirements
- Regents' Reading and Writing Requirements
- No computer science (CSCI) or cybersecurity (CYBR) courses with a grade of D will be allowed in an official program of study