

University of North Georgia

2025-2026 Undergraduate Catalog

Computer Science (B.S.)

Location(s): [Dahlonega](#), [Cumming](#)

120 hours

Core IMPACTS - 42 hours

Refer to [Core IMPACTS](#)

Institution: No exceptions

Mathematics: 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

- [CSCI 1301 - Computer Science I](#)
- (or [CSCI 1301K - Computer Science I](#))
- [CSCI 1302 - Computer Science II](#)
- [CSCI 2150 - Computer Ethics and Social Issues](#)
- [CSCI 2520 - Discrete Structures and Computing](#)

Select one:

- [CSCI 2220 - Numerical Analysis and Computing](#)
- [MATH 2460 - Calculus II](#) *

*1 credit hour can be counted as elective credit or as an elective.

Major Requirements - 60 hours

Required Courses - 39 hours

- [CSCI 3100 - Computer Organization / Architecture](#)
- [CSCI 3200 - Data Structures and Analysis of Algorithms](#)
- [CSCI 3300 - Software Engineering](#)
- [CSCI 3410 - Databases](#)
- [CSCI 3510 - Networking and Communications](#)
- [CSCI 4100 - Operating Systems and File Organization](#)
- [CSCI 4200 - Programming Languages](#)
- [CSCI 4950 - Senior Project](#)
- Fifteen (15) hours of CSCI 3xxx / 4xxx

Electives - 21 hours

- Electives to bring total to 120 hours
- Two (2) hours from Mathematics can be counted as electives

Optional: Concentration in Information Assurance and Security (IAS)

Computer Science majors may declare a concentration in Information Assurance and Security (IAS).

Select four from the following:

- [CSCI 3050 - Information Security](#)
- [CSCI 3250 - Computer Security](#)
- [CSCI 3350 - Computer Forensics](#)
- [CSCI 4650 - Network Security](#)
- [CSCI 4830 - Cloud Computing Security](#)
- [CSCI 4880 - Application of Machine Learning to Computer Security](#)

Other Requirements

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