

# University of North Georgia

# 2025-2026 Undergraduate Catalog

## Computer Science (B.S.)

**Location(s):** Dahlonega, Cumming

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120 hours

### Core IMPACTS - 42 hours

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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

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- [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

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## Required Courses - 39 hours

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- [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

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- 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)

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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

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- [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