

# COMPUTER SCIENCE EDUCATION

MASTER OF SCIENCE (M.S.)

**NSU** Florida

## At a Glance

- 10 courses | 30 credit hours

## Program Formats

- Fort Lauderdale/Davie Campus
- online

## Program Highlights

- Concentrations include data science and artificial intelligence application and teaching and learning.
- Receive quality instruction from CCE faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.

**Learn More**  
[computing.nova.edu](https://computing.nova.edu)

## Become an In-Demand Computer Science Educator

Computer science is a fast-growing field, and skilled educators and trainers are in high demand. This program is designed to support the teaching of computer science in educational settings but is not intended to lead to K-12 licensure.

NSU's M.S. in Computer Science Education will prepare you to bridge that educational gap. In addition to pedagogical knowledge, you'll have the skills necessary to demonstrate the ability to create basic computational artifacts and knowledge of computing systems and their integration. This includes security, privacy, and ethical considerations.

## Learning Options

- Earn your degree in 12-14 months as a full-time student.
- Earn your degree in 16-24 months as a working professional.

## Admissions Requirements

- online application ([apply.nova.edu](https://apply.nova.edu))
- \$50 application fee (nonrefundable)
- an earned bachelor's degree with a GPA of at least 2.5 from a regionally accredited institution and with an appropriate major
- sealed official transcripts from all institutions attended
- a résumé

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International students should visit [computing.nova.edu/admissions](https://computing.nova.edu/admissions) for additional requirements.



# COMPUTER SCIENCE EDUCATION

## MASTER OF SCIENCE (M.S.)

### Curriculum | Total Credits: 30

#### DEGREE PROGRAM COURSES

##### Core Courses (21 credits)

CUR 526	Educational Research for Practitioners
ISEC 615	Fundamentals of Cybersecurity
MMIS 623	Ethics in Computing
MMIS 642	Data Warehousing
MMIS 671	Data Analytics and Artificial Intelligence
MSIT 501	Foundations of Programming, Data Structures, and Algorithms
MSIT 630	Database Systems

#### CONCENTRATIONS

Choose from two concentration options.

##### Teaching and Learning (9 credits)

EDU 508	Effective Instructional and Assessment Strategies
EDU 650	Curriculum Design for Secondary Educators
EDU 660	Teaching Diverse Learners

##### Data Science and Artificial Intelligence Application (9 credits)

MMIS 643	Data Mining
MMIS 677	Technology Management
MSIT 675	Deep Learning

#### No-Concentration Option

Customize your degree with three open electives to dive deeper into your area of interest or diversify your skill set. Select a mix of courses from the concentrations and/or any offerings of 600-level courses prefixed MMIS or MSIT, or any of the following courses:

ISEC 615, ISEC 635, ISEC 655, or ISEC 675, as electives. 3

Curriculum is for the 2024–2025 academic year. This publication should not be viewed as a substitution for official program requirements and outcomes. A student is responsible for meeting the curriculum and program requirements in the student catalog that are in effect when the student enters the program.

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#### Admissions

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College of Computing  
and Engineering  
NOVA SOUTHEASTERN UNIVERSITY

**NSU**  
Florida