COMPUTER SCIENCE
BACHELOR OF SCIENCE (B.S.)

NSU Florida

At a Glance

- Earn a degree in 120 credit hours.
- Program offers minors in cybersecurity and data analytics.

Program Format

- Program is offered at the Fort Lauderdale/Davie Campus.

Program Highlights

- Program offers highly sought-after internships at some of the country's top software and technology companies.
- Take advantage of unique opportunities to participate in national cybersecurity competitions.
- The Bachelor of Science in Computer Science program is accredited by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET).

Future Opportunities

Explore careers, such as

- computer scientist
- customized business software
- embedded software engineer
- mobile application software developer
- software architect
- software designer
- systems analyst

Learn More
computing.nova.edu

Dominate with the Right Bytes

Become the reliable computing professional every business and organization needs with the top-tier Bachelor of Science (B.S.) in Computer Science degree program at Nova Southeastern University's (NSU's) College of Computing and Engineering (CCE). Prepare to lead and advance your career in government, higher education, and across the high-tech industry.

Obtain key skills to design, develop, test, and use software systems. CCE's curriculum covers technical and professional requirements, as well as electives, to prepare you for today's professional arena and to further study the discipline of computer science.

What You'll Study

Learn current theoretical and applied coverage of fundamental and advanced topics in software development and management, software and system design, operating systems, data communications, computer architecture, algorithms, and data structures. You can also choose between many electives, including artificial intelligence, cybersecurity, distributed and mobile computing, web application design and development, and databases.

How You'll Gain More

By emphasizing laboratory experiences, your professors bring the coursework to life. Beyond coding, you'll integrate theory, abstraction, and design into your practical projects. You'll also be challenged to bridge the gap between hardware and software issues.

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Curriculum 2021–2022 | Total Credits: 120

Students are required to complete 30 credit hours as part of the General Education Program. Freshmen starting in fall 2016 or later are required to successfully complete the First-Year Seminar (UNIV 1000) in their first semester at NSU.

Major Prerequisites (22 credits)

			Credits
MATH	2100	Calculus I	4
OR			
MATH	2100H	Calculus I Honors	4
MATH	2200	Calculus II	4
OR			
MATH	2200H	Calculus II Honors	4
MATH	3300	Introductory Linear Algebra	3
MATH	4500	Probability and Statistics	3
PHYS	2400	Physics I/Lab	4
Any Science Course			4

Core Courses (52 credits)

			Credits
CSIS	1800	Introduction to Computer and Information Sciences	3
CSIS	2050	Discrete Mathematics	4
CSIS	2101	Fundamentals of Computer Programming	4
CSIS	3023	Legal and Ethical Aspects of Computers	3
CSIS	3051	Computer Organization and Architecture	4
CSIS	3101	Advanced Computer Programming	4
CSIS	3200	Organization of Computer Languages	3
CSIS	3400	Data Structures	4
CSIS	3460	Object Oriented Design	3
CSIS	3500	Networks and Data Communication	3
CSIS	3610	Numerical Analysis or MATH 3000 Level or Higher	4
CSIS	3750	Software Engineering	4
CSIS	3810	Operating Systems Concepts	3
CSIS	4610	Design and Analysis Algorithms	3
CSIS	4903	Capstone Project for Computer Science	3
OR			
CSIS	4953	Capstone Internship in Computer Science	3

Major Electives (9 credits)

Select 9 credits from the following courses.
Any 3000/4000-level CSIS, CENG, EENG, and SENG courses not counted as core courses for the major.

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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College of Computing and Engineering
NOVA SOUTHEASTERN UNIVERSITY