

Computer Information Systems

Bachelor of Science

NOVA SOUTHEASTERN UNIVERSITY

AT A GLANCE

The average class size of 22 students allows for individual attention from professors.

The Dual Admission Program reserves a seat for exceptional students in a graduate or professional school program on acceptance into the undergraduate program.

The Undergraduate Honors Program presents specially designed courses and events to students ready for more in-depth and unique learning experiences.

Students can present their academic and creative work to the public through the *Farquhar Student Journal*, *Digressions*, and the Undergraduate Student Symposium.

The Performing and Visual Arts Wing in the University Center provides an outstanding new home for the performing and visual arts in South Florida.

Travel study courses take students around the world—Italy to the Galapagos and from Baja to Budapest—all for course credit.

Guest lecturers and faculty members share their expertise in the Distinguished Speakers Series and the Faculty Lecture Series.

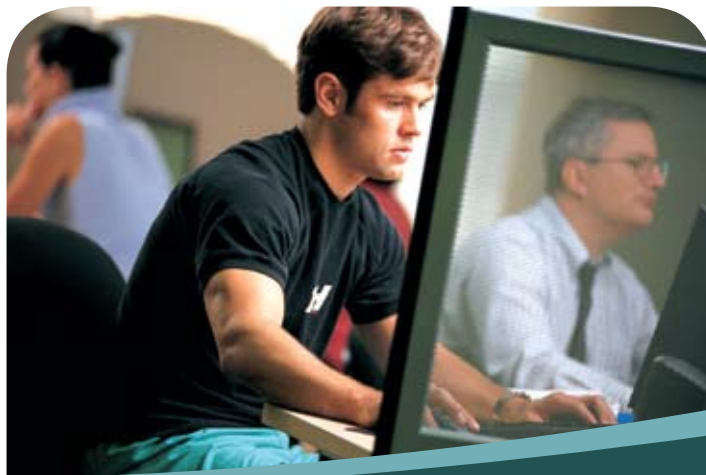
B.S. in Computer Information Systems

The computer information systems (CIS) major prepares responsible, well-rounded graduates who understand all aspects of systems development and their ethical implications to society. The program arms students with theoretical knowledge and hands-on-experience that enables them to analyze complex system architectures; develop all level of specifications; implement systems with current technologies; monitor the quality, reliability, and security of such systems; and ensure that the systems are easy to use. Emphasis is placed on programming languages, data structures, distributed data processing, multimedia database systems, database management, networks and data communications, and information systems organization. The CIS curriculum is consistent with recommendations outlined under the Information Systems Programs of Computing Accreditation Commission (CAC) Criteria created by the Accreditation Board for Engineering and Technology (ABET). It provides a balance between fundamental computer information systems concepts and the application of those concepts from a future-oriented perspective.

Graduates of this major will be able to

- understand essential elements and theoretical foundations of computers, networks, the Web, the Internet, and databases
- identify technical opportunities to enhance business goals, identify problems, and provide solutions using technical teams
- remain up-to-date on upcoming technologies such as new programming languages, software development tools, software systems, database systems, multimedia systems, and commonplace computing platforms

These skills prepare students for career opportunities that include software architect, software application developer, data and network security expert, information systems specialist, Web services architect, network administrator, database administrator, multimedia designer, or systems developer and architect.



Computer Information Systems

Bachelor of Science

Course of Study

120 credits are required to graduate, including 30 credits of general education.

Major course requirements include:

CSIS 1400	Discrete Mathematics
CSIS 1800	Introduction to Computer and Information Sciences
CSIS 1900	Computer Programming I
CSIS 2000	Introduction to Database Systems
CSIS 2410	Assemblers and Assembly Language Programming
CSIS 2950	Computer Programming II
CSIS 3020	Web Programming and Design
CSIS 3400	Data Structures
CSIS 3500	Networks and Data Communication
CSIS 3750	Software Engineering
CSIS 3810	Operating Systems Concepts
CSIS 4530	Database Management
CSIS 4900	Directed Project
OR	
CSIS 4950	Internship in Computer Science and Information Systems

Words from a Computer Information Systems Professor

"We have highly motivated students who want to learn not only the theoretical fundamentals, but also how to apply those to real life situations. Many of our working students, who sometimes are CIOs and CTOs in their companies, contribute thoughtful and timely insights in the class that reflect current and upcoming technology trends."

—Saeed Rajput, Ph.D., Assistant Professor

Words from a Computer Information Systems Student

"I find the classes very challenging, and it's nice that they're so stimulating. I also like it that the instructor encouraged me to use the Internet as a tool to find solutions to problems."

The Division of Math, Science, and Technology

Majors:

- Applied Professional Studies
- Athletic Training
- Biology (Premedical)
- Computer Information Systems
- Computer Science
- Environmental Science/Studies
- Marine Biology

Minors:

- Applied Statistics
- Bioinformatics
- Chemistry
- Computer Information Systems
- Information Assurance/Security
- Information Technology
- Marine Biology
- Marine Ecology
- Marine Microbiology
- Mathematics
- Physics
- Public Health

Nova Southeastern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097, telephone number: 404-679-4501) to award associate's, bachelor's, master's, educational specialist, and doctoral degrees. ■ Nova Southeastern University admits students of any race, color, sexual orientation, and national or ethnic origin.



Admissions

3301 College Avenue
Fort Lauderdale, Florida 33314-7796

www.nova.edu/admissions

(954) 262-8000 • 800-338-4723

admissions@nsu.nova.edu

Division of Math, Science, and Technology

www.undergrad.nova.edu/mst

(954) 262-8301 • 800-757-7257

09-1756-08RJC