

## Program Features

- 64 credit hours
- Unique format offers flexibility to working professionals.
- Students receive quality instruction from CEC faculty members—all of whom hold Ph.D. degrees and are experts in their respective fields of research/application.

## Program Formats

- Unique format includes a blend of on-campus and online activities.
- On-campus sessions are held quarterly over an extended weekend at the Fort Lauderdale/Davie Campus.
- Between on-campus sessions, students work on course assignments and research, as well as participate in online activities.

## Career Opportunities

- college/university faculty member
- computer scientist
- research and development
- senior software engineer
- c-level executive

## Ph.D. in Computer Science

The Computer Science doctoral (CISD) program prepares graduates for positions in academia, government, and industry and fosters the careers of those already in those positions. Research-oriented professionals knowledgeable in the major areas of computer science can acquire the tools and ability to develop creative solutions to substantive, real-world problems.

The uniquely structured program combines traditional and online instruction to give professionals the opportunity to pursue graduate study while continuing to work in their current positions. The program is especially well-suited to those in industry, education, or government who are involved with one of the many disciplines in computer science and information technology.

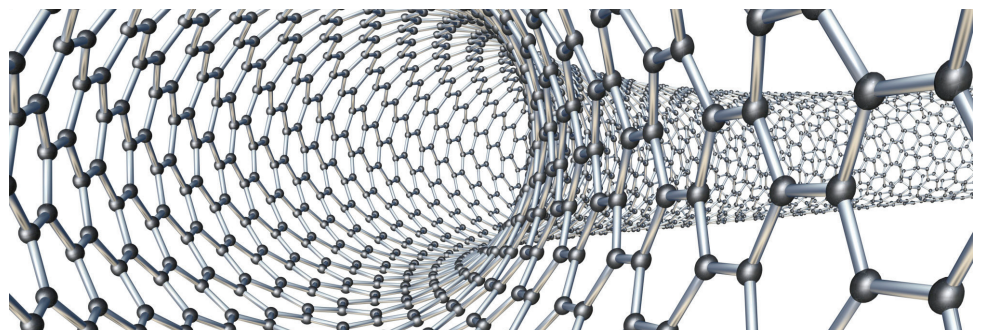
Each doctoral candidate must complete eight core courses—ranging from programming theory and principles to artificial intelligence, two research courses, and a dissertation.

## Admissions Requirements

- ✓ completed online application for admission ([apply.nova.edu](http://apply.nova.edu))
- ✓ nonrefundable, \$50 application fee
- ✓ conferred master's degree with an appropriate major from a regionally accredited institution
- ✓ sealed official transcripts from all prior institutions
- ✓ overall graduate GPA of 3.25 or greater on a 4.0 scale
- ✓ résumé/curriculum vitae (CV) providing a short account of the applicant's academic background and professional experience.
- ✓ two essays (personal/research)
- ✓ three letters of recommendation

The college may require additional documentation or a phone interview to support the application. An applicant may submit standardized test scores or any additional documentation to strengthen his or her application.

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



# Computer Science

DOCTOR OF PHILOSOPHY

## Curriculum

Total Credits: 64

### DEGREE PROGRAM COURSES

#### Required Core Courses (4 credits each)

*Students must select eight of the following.*

CISD 700	Theory and Principles of Programming
CISD 730	Operating Systems
CISD 740	Data Communications and Computer Networking
CISD 750	Database Management Systems
CISD 760	Artificial Intelligence
CISD 770	Software Engineering
ISEC 730	Network Security and Cryptography
CISD 792	Computer Graphics
CISD 794	Knowledge Discovery in Databases
CISD 799	Special Topics in Computer Science

### RESEARCH REGISTRATIONS

Students pursuing a computer science doctorate are required to complete two sections of CISD 898 Directed Research before entering candidacy.

NOTE: Students beginning fall 2014 or later will instead take two or more sections of CISD 885 Doctoral Research.

Students must register for the course with a particular faculty member as directed in the course description. Directed Research/Doctoral Research registrations must be in sequence, not in parallel. Students are further advised to wait for the second year of study before registering for Directed Research/Doctoral Research.

CISD 885	Doctoral Research (4 credits each)
CISD 898	Directed Research (4 credits each)

### DISSERTATION REGISTRATIONS

Students must complete 24 credits of dissertation registrations (three registrations of CISD 901). Students who do not complete the dissertation within 24 credits will register for CISD 920 Continuing Dissertation, until the dissertation is complete.

CISD 901	Doctoral Dissertation (8 credits each)
CISD 920	Continuing Dissertation (4 credits each)

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 *Graduate Student Catalog* that are in effect when the student enters the program.

Nova Southeastern University admits students of any race, color, sexual orientation, and national or ethnic origin. ■ Nova Southeastern University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate's, baccalaureate, master's, educational specialist, doctorate, and professional degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Nova Southeastern University. 08-029-16\_07MCS

## Admissions

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