Ph.D. in Computer Science

At the College of Computing and Engineering (CCE), the computer science doctoral 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

- online application (apply.nova.edu)
- $50 application fee (nonrefundable)
- an earned master’s degree with a GPA of at least 3.25 from a regionally accredited institution and with an appropriate major
- sealed official transcripts from all institutions attended
- a résumé/curriculum vitae (CV)
- essay
- three letters of recommendation
Computer Science
DOCTOR OF PHILOSOPHY

Curriculum | Minimum Credits: 64

DEGREE PROGRAM COURSES
Each student must complete eight core courses, at least two doctoral research courses, and a doctoral research dissertation.

Required Core Courses (4 credits each)
Select eight courses.
- 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 740 Secure Systems Analysis and Design
- CISD 792 Computer Graphics
- CISD 794 Knowledge Discovery in Databases
- CISD 799 Special Topics in Computer Science

RESEARCH REGISTRATIONS
Each student will be required to complete at least two sections of CISD 885 Doctoral Research.

These courses will be taken at the end of the student’s coursework. These directed-study courses will enable the student, with the support of a faculty adviser, to identify a viable research topic and conduct preliminary research that will lead to formal candidacy for the student.

CISD 885 Doctoral 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, gender, gender identity, military service, veteran status, 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.

Admissions
3301 College Avenue
Fort Lauderdale, Florida 33314-7796
cec.nova.edu/admissions
(954) 262-2031 • 800-986-2247, ext. 22031
cecinfo@nova.edu