



## FACULTY

Our nationally recognized faculty includes 24 recipients of the prestigious National Science Foundation (NSF) CAREER Award (which goes to the nation's outstanding young faculty), two Alumni Distinguished Professors, 11 members of the NC State Academy of Outstanding Teachers, six IEEE Fellows, a member of the National Academy of Engineering, a member of the National Inventor's Hall of Fame, and an Emmy award winner. Moreover, many possess extensive industry experience, and they are as concerned with their students' success as they are with their own. With a strong, diverse faculty, our students have role models and mentors to help them break new ground and achieve success.

## DEGREE REQUIREMENTS

The Master of Science (M.S) in Computer Science is a research-oriented degree. Students must complete 31 semester hours of graduate course credit, including 6 credit hours of thesis research in which they complete and defend a thesis that describes original research. The Master of Computer Science (M.C.S.) program is a terminal professional degree program based on 31 semester hours of graduate course credit. The Master of Science (M.S.) in Computer Networking, with a minimum of 31 graduate credit hours, may be earned with or without thesis credit. Ph.D. students must complete a total of 72 semester hours that are comprised of graduate course credit (M.S. credits may be included), comprehensive preliminary examinations, in-depth research, a written research dissertation, and a final oral defense of the research.

## DEGREE PROGRAMS

Graduate programs in Computer Science provide a variety of excellent educational and research opportunities to students from across the U.S. and all over the world. Our Master's Degree Program offers several options: the Master of Science (thesis), the Master of Computer Science (non-thesis, available via either distance learning or on-campus enrollment,) and a Master of Computer Networking (thesis or non-thesis, on campus or via distance learning). The flagship degree is the Ph.D. in Computer Science, which prepares students for leadership positions in academia, industry research labs, and government.

## GRADUATE RESEARCH

Computer Science currently has more than 45 tenure-track faculty members and about 200 Ph.D. students. Our faculty and students engage in interdisciplinary research with industry, government, and many departments across the college and university.

## RESEARCH AREAS

- Advanced Learning Technologies
- Analytics
- Architecture and Operating Systems
- Artificial Intelligence and Intelligent Agents
- Cloud Computing
- Computer and Video Games
- Cyber Security
- Electronic Commerce
- Embedded and Real-Time Systems
- Graphics and Human Computer Interaction
- Health Care Information Technology
- Information and Knowledge Management
- Networking and Performance Evaluation
- Parallel and Distributed Systems
- Scientific and High Performance Computing
- Service Science Management and Engineering (SSME)
- Software Engineering and Programming Languages



## RESEARCH CENTERS & INSTITUTES

- Center for Educational Informatics
- Center for Embedded Systems Research
- Center of Excellence in Cloud Computing
- Digital Games Research Center
- Institute for Advanced Analytics
- Institute for Next Generation IT Systems
- NSA Information Assurance Education Center
- Scientific Data Management Center

## FACILITIES

Graduate Programs within the Department of Computer Science are located on NC State's award-winning Centennial Campus. The department's eight research centers and 46 teaching and research laboratories and groups are primarily located in Engineering Building II (EBII), our \$41 million, 210,000-square-foot, state-of-the-art teaching and research facility that opened in 2006, as well as several facilities conveniently located on Centennial Campus.

Several corporate headquarters, research and development labs, and satellite offices are nestled among NC State University teaching and research facilities on Centennial Campus. This extension of NC State was designed with the intent of building strong relationships and partnerships between the University and area industry.

## DISTANCE EDUCATION

Engineering Online at NC State is designed for working professionals. The Computer Science Department offers Master's distance education degree programs in Computer Science and Computer Networking. Courses are provided in streaming video over the Internet through Engineering Online. Programs are available to individuals who reside in the United States and to United States military personnel serving abroad. For more information on Engineering Online, call 877-254-0058 or visit [engineeringonline.ncsu.edu](http://engineeringonline.ncsu.edu).

## ADMISSIONS

Applicants must have a bachelor's degree from an accredited college or university in computer science or a closely related field. All applicants must submit GRE general test scores. International applicants must submit TOEFL or IELTS scores.

For more information, refer to:

### Application Procedure:

[csc.ncsu.edu/academics/graduate/procedure.php](http://csc.ncsu.edu/academics/graduate/procedure.php)

### Frequently Asked Questions:

[csc.ncsu.edu/academics/graduate/faqs.php](http://csc.ncsu.edu/academics/graduate/faqs.php)

## COST OF STUDY

Tuition and fees for full-time on-campus study in 2015-2016 are \$6,961.94 per semester for North Carolina residents and \$14,011.44 for non-residents. Students in distance programs are charged per credit hour for DE courses. The tuition and fees for one credit of DE coursework is currently \$589 for North Carolina residents and \$1,074 for non-residents. Master's degree students are subject to a premium tuition charge per credit hour each semester.

## FINANCIAL AID

Graduate Research and Teaching Assistantships are available on a competitive basis and range from \$8,000 - \$27,000 per year. Tuition and health insurance are covered for students on a qualifying assistantship. A limited number of supplemental fellowships are also available.

## APPLICATION DEADLINES

### SPRING

- October 15 – U.S. citizens and permanent residents

### FALL

- December 15 – U.S. citizens/permanent residents requesting financial aid
- May 1 – U.S. citizens/permanent residents not requesting financial aid
- December 15 – all international applicants

