Department of Computer Science
College of Engineering

Academics

Undergraduate degree programs
- Bachelor of Science in Computer Science*
- Game Development Concentration
- Undergraduate Minor, Computer Programming
- Certificate in Computer Programming

Graduate degree programs
- Master of Science
  (Thesis and non-thesis options)
- Master of Computer Science
  (On campus and via Engineering Online)
- Master of Networking
  (Thesis and non-thesis options)
- Master of Service Sciences, Management and Engineering
- Accelerated Bachelor's/Master's*
- Ph.D.

Faculty Honors
- 18 National Science Foundation CAREER Award recipients
- National Academy of Engineering member
- Emmy Award recipient, National Academy of Television Arts & Sciences—for plasma screen technology
- DOE Early Career PI Award recipient
- American Association for Artificial Intelligence Fellow
- Two Institute of Electrical and Electronics Engineers [IEEE] Fellows
- Two Senior Research Ethics Fellows
- Consumer Electronics Hall of Fame Inductee
- Alcoa Foundation Engineering Research Achievement Award recipient
- Nine members in the NC State Academy of Outstanding Teachers
- Three named professors

Key Statistics
- Established in 1967—one of the first computer science departments in the country
- 40 tenure-track faculty, 6 lecturers, 5 adjuncts, 18 associate faculty, 23 staff
- Rankings¹
  - 3rd in bachelor’s degrees awarded among computer science programs in engineering colleges (COEs); 6th, programs nationwide
  - 3rd, faculty size for programs within COEs [tied]; sixth nationwide [tied]
  - 3rd among online master's degree programs (Best Buy Online Degree)²
  - 7th, undergraduate enrollment, programs within COEs³
  - 14th, master's degrees awarded, programs within COEs; 16th, nationwide
  - 27th, CSC grad programs, public universities⁴
- Top 20, sponsored research funding

Enrollment 2007–08
- Undergraduate  606
- Master's 314
- Doctoral 162

Incoming freshmen Fall 2007
- Average GPA: 4.26
- Average SAT: 1239
- Top 10% of class: 46.9%

Facilities
- EBII, state-of-the-art teaching and research facility opened in fall 2005
- 12 research centers and 26 teaching and research laboratories and groups
- Leading-edge networking and computational infrastructure on NC State's Main and Centennial campuses

Recognized by NSA as a Center for Academic Excellence in Information Assurance.

First U.S. research university to offer SSME (Services Sciences) degree, through colleges of engineering and management.

¹ Accredited by CAC/ABET
² ASEE data, 2003
³ ASEE data, 2005
⁴ www.geteducated.com/rankings/best_computer.asp
⁵ U.S. News and World Report, 2006
Areas of Expertise

- Theory and algorithms
- Bioinformatics
- High-performance & power aware systems
- Artificial intelligence
- Networks
- Security
- Software engineering
- Computer-based education
- Graphics and visualization

The faculty foster strong multidisciplinary and collaborative interaction with other disciplines at NC State (e.g., Bioinformatics), other universities, industry, government agencies and laboratories, and other partners in the Research Triangle and beyond.

Opportunities

- Research with faculty—research centers and groups, scholars and honors programs
- Applied learning—capstone project courses: Senior Design, Networking, Graphics
- Student organizations: leadership skills, service, networking, informal learning
  - ACM/AITP
  - Association for Concerns of African American Graduate Students
  - CSC Graduate Student Association
  - Honors Program/Honor Societies
  - Linux Users Group
  - Macintosh Users Group
  - Microsoft.net Users Group
  - Women in Computer Science
- National competitions and recognition: Previous student honors include 1st place in CSIDC World Finals in 2005 and 2006, ACM Grand Award, Google Anita Borg Scholarship, IBM’s Extreme Blue Internships, USA Today Academic All American.
- CSC-specific scholarships: 11 endowed and numerous sponsored and external
  CSC students are also eligible for College of Engineering and University-wide scholarships. Details available at www.csc.ncsu.edu/academics/undergrad/scholarships.
- More than 60 companies actively partner with the department via sponsored programs, scholarships, projects and initiatives.

Careers

- Average starting salaries, May 2008
  - BS CSC—$59,873
  - MS CSC—$75,369
- Proximity to world-famous Research Triangle Park (RTP) provides many opportunities for internships and co-ops. 24% of NC State Engineering co-ops are from Computer Science.
- NC State is the #1 supplier of new graduate talent to Cisco and IBM, nationwide.
- Top consumers of CSC graduates: IBM, SAS, Cisco, Progress Energy, Fujitsu, Red Hat, NetApp, EMC
- Fastest growing jobs in the next 10 years
  - #1 - Network systems & data communication analysts
  - #4 - Computer software engineers, applications
  - #23 - Computer systems analysts
  - #25 - Computer software engineers, systems software
- Selected distinguished alumni
  - Marshall Brain—Founder of HowStuffWorks.com
  - Keith Collins—CTO, SAS Institute; NC State Distinguished Engineering Alumnus
  - Suzanne Gordon—CIO, SAS Institute; NC State Board of Trustees
  - Dr. Larry Hodges—Director of School of Computing, Clemson University
  - Bobby Johnson—CEO and Co-founder, Foundry Networks
  - Rudy Puryear—one of Consulting Magazine’s Top 25 Consultants in the World
  - Erik Troan—Co-author of Red Hat Package Manager and ”Linux Application Development,” CTO of rPath

5National Assoc. of Colleges & Employers
6www.stats.bls.gov/opub/mlr/mlrhome.htm