

NC STATE UNIVERSITY COMPUTER SCIENCE

Established in
1967, we are
located on NC State's
Centennial Campus,
the 2008 Research
Science Park of
the Year



POINTS OF INTEREST

Academics

Undergraduate degree programs

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

Graduate degree programs

- Ph.D.
- Master of Science (Thesis and non-thesis options)
- Master of Computer Science (Professional degree, non-thesis, with on-campus or Distant Education options)
- Master of Networking (Thesis and non-thesis options) with available concentration in Service Sciences, Management and Engineering (SSME)
- Accelerated Bachelor's/Master's (ABM) Degree Program*

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
- Presidential Young Investigator Award recipient
- American Association for Artificial Intelligence Fellow
- Two Institute of Electrical and Electronics Engineers (IEEE) Fellows
- Computing Research Association (CRA) Digital Government Fellow

- Two Senior Research Ethics Fellows
- Consumer Electronics Hall of Fame Inductee
- Alcoa Foundation Engineering Research Achievement Award recipient
- Nine members in NC State Academy of Outstanding Teachers
- Three named professors

Key Statistics

- Established in 1967 - one of the first computer science departments in the country
- 43 faculty, 15 associate faculty, 3 lecturers, 3 adjuncts, 34 staff
- Rankings
 - 3rd among online master's degree programs (Best Buy Online Degree, 2008)¹
 - 5th in Computer Science MS enrollment²
 - 6th in Computer Science PhD enrollment²
 - 7th in Computer Science undergraduate enrollment²
 - 9th in Computer Science BS degrees awarded²
 - 14th in Computer Science research expenditures²
 - 15th in Computer Science MS degrees awarded²
 - 16th in Computer Science PhD degrees awarded²
 - PhD graduation rate comparable to that of the Taulbee's top 13 to 24 CS departments (nationwide)³
 - 29th (tied) in Graduate Computer Science Program rankings among public universities⁴
- Enrollment 2008-09
 - Undergraduate 614
 - Master's 316
 - Doctoral 174

Key Statistics (continued)

- Incoming freshmen Fall 2008
 - Average GPA: 4.29 (weighted scale)
Most admissions fall between 4.07 - 4.5.
 - Average SAT: 1250 (reading & math only). Most admissions fall between 1180 - 1330.
 - Top 10% of class: 50%
- Facilities
 - EBII, state-of-the-art teaching and research facility opened in fall 2005
 - 11 research centers and more than 30 teaching and research laboratories and groups
 - Leading-edge networking and computational infrastructure
- Designated by NSA & DHS as a National Center of Excellence in Information Assurance Research (CAE-R).
- Member of National Center for Women & IT Academic Alliance.
- First U.S. university to be awarded a Cisco TelePresence unit.
- First U.S. research university to offer multi-disciplinary masters-level curricula in services (SSME).

Areas of Expertise

- Theory and algorithms
 - Bioinformatics and computational sciences
 - 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, and Games
- The department has a variety of student organizations providing leadership skills, service, networking, and informal learning opportunities, including:
 - ACM/AITP

- Graduate Student Association
 - Honors Program/Honor Societies
 - Linux Users Group
 - Video Game Development Club
 - 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 70 companies actively partner with the department via sponsored programs, research, scholarships, projects and initiatives.

Careers

- Average starting salaries, May 2008⁵
 - BS CSC - \$56,501 (range 40-72K)
 - MS CSC - \$79,800 (range 59-95K)
- Proximity to world-famous Research Triangle Park (RTP) provides many opportunities for internships and co-ops. Approximately 25% of all NC State Engineering co-ops are from the department of Computer Science.
- NC State is a top supplier of new graduate talent to Cisco, IBM, SAS, Progress Energy, Tekelec, Red Hat, NetApp, Fidelity Investments, EMC and many others.
- Computer Science related career opportunities among the fastest growing over the next 10 years:
 - Network systems & data communication analysts
 - Computer software engineers, applications
 - Computer systems analysts
 - Computer software engineers, systems software⁶



Our 5,700+ alumni are located in all 50 US states and in 24 countries.

Select Distinguished Alumni

- **Marshall Brain** - Author, TV Star & Founder of HowStuffWorks.com
- **Keith Collins** - CTO, SAS Institute; NC State Distinguished Engineering Alumnus (DEA)
- **Suzanne Gordon** - CIO, SAS Institute; NC State Board of Trustees
- **Dr. Larry Hodges** - Director of Clemson's School of Computing
- **Bobby Johnson** - CEO and Co-founder of Foundry Networks; DEA
- **Richard Krueger** - developed xRes (now Macromedia's *Fireworks*), President & CEO of Skinux
- **Dr. Elizabeth Mynatt** - Director of Georgia Tech's Graphics, Visualization & Usability Center
- **John O'Neill** - President, CTO & Founder of Spark Plug Games
- **Rudy Puryear** - ranked as one of world's Top 25 Consultants by *Consulting Magazine*
- **Erik Troan** - Co-author of Red Hat Package Mgr and "Linux Application Development," CTO of rPath

*Accredited by CAC/ABET

¹www.geteducated.com/rankings/best_computer.asp

²ASEE data, 2007

³March 2008 CRA Taulebee report
⁴U.S. News and World Report, 2008

⁵NC State University Career Center

⁶www.stats.bls.gov/opub/mlr/mlrhome.htm

Published October 2008 v1