NC STATE UNIVERSITY
COMPUTERSCIENCE

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

- 19 National Science Foundation CAREER Award recipients and 1 NSF Young Investigator Award recipient
- National Academy of Engineering member
- Emmy Award recipient, National Academy of Television Arts & Sciences - for plasma screen technology
- Consumer Electronics Hall of Fame Inductee
- DOE Early Career PI Award recipient
- American Association for Artificial Intelligence Fellow
- 4 Institute of Electrical and Electronics Engineers (IEEE) Fellows
- ACM SIGSOFT Inaugural Influential Educator Award Recipient
- Computing Research Assoc. (CRA) Digital Government Fellow

- American Academy of Forensic Sciences (AAFS) Assoc. Member
- 2 Senior Research Ethics Fellows
- Alcoa Foundation Engineering Research Achievement Award recipient
- 9 members in NC State Academy of Outstanding Teachers
- NC State Academy of Outstanding Faculty Engaged in Extension member
- 3 named professors

Key Statistics

- Established in 1967 - one of the first official computer science departments to be established in the country
- 40 faculty, 4 emeritus faculty, 10 lecturers & adjuncts, and 26 research, IT and administrative staff
- Rankings:
  - 3rd among online master's degree programs (Best Buy Online Degree, 2008)[1]
  - 5th in Computer Science MS enrollment[2]
  - 6th in Computer Science PhD enrollment[2]
  - 7th in Computer Science undergraduate enrollment[2]
  - 9th in Computer Science BS degrees awarded[2]
  - 14h in Computer Science research expenditures[2]
  - 15th in Computer Science MS degrees awarded[2]
  - 16th in Computer Science PhD degrees awarded[2]
  - 29th (tied) in Graduate Computer Science Program rankings among public universities [3]
- Enrollment 2009-10
  - Undergraduate   656
  - Master's   329
  - Doctoral   165

Key Statistics (*continued*)

- Incoming freshmen Fall 2009
  - Average GPA: 4.22 (weighted scale) Most admissions between 4.07 - 4.5.
  - Average SAT: 1266 (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
  - 12 research centers and more than 35 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).
- Academic Alliance Member of National Center for Women & Info Technology.
- 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).
- Recognized as a Laureate in 2007 & 2009 in Computerworld Honors Program.

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., Bio-informatics, eCommerce, serious games, etc.), 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 - award-winning capstone Senior Design Center projects
- 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: 12 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 75 companies actively partner with the department via sponsored programs, research, scholarships, projects and initiatives.

Careers

- Average starting salaries, May. 2009[4]
  - BS CSC - $55,500 (range 30-75K)
  - MS CSC - $77,272 (range 55-90K)
- 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, AT&T, 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 software[5]

Our 5,800+ 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** - hf Flagship Director of the School of Computing at Clemson University
- **Bobby Johnson** - Former CEO and Co-founder of Foundry Networks; NC State Distinguished Engineering Alumnus (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
[1] *www.geteducated.com/rankings/ best_computer.asp*
[2] *ASEE data, 2007*
[3] *U.S. News and World Report, 2008*
[4] *NC State University Career Center*
[5] *www.stats.bls.gov/opub/mlr/ mlrhome.htm*

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