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

Key Statistics

- Established in 1967 - one of the first official computer science departments to be established in the country
- Approximately 46 faculty, 6 emeritus faculty, 8 lecturers and adjuncts, and 37 research, IT and administrative staff
- Rankings:
    - 3rd among online master's degree programs (Best Buy Online Degree, 2011)[1]
    - 5th in Computer Science MS enrollment[2]
    - 7th in Computer Science PhD enrollment[2]
    - 9th in Computer Science undergraduate enrollment[2]
    - 9th in Computer Science BS degrees awarded[2]
    - 10th in Computer Science research expenditures[2]
    - 4th in Computer Science MS degrees awarded[2]
    - 11th in Computer Science PhD degrees awarded[2]
    - 9th in Online Graduate Programs in Computer Information Technology [3]
- Enrollment 2012-13 Academic Year
    - Undergraduate   660
    - Master's   395
    - Doctoral   186
- Incoming Freshmen Fall 2012
    - Average GPA: 4.44 (weighted scale) Most admissions between 4.1-4.7
    - Average SAT: 1293 (reading & math only) Most admissions between 1186-1400
    - Average ACT Composite: 28 Most admissions between 25-31
- Facilities
    - Engineering Building II (EB2), state-of-the-art teaching and research facility, opened in fall 2006
    - 8 research centers and more than 46 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 Computerworld Honors Program in 2007 & 2009
- Video Game Design and Development program recognized by *The Princeton Review* as one of the top 15 undergraduate programs in the U.S. and Canada in 2011 & 2012

Faculty Honors

- 23 National Science Foundation CAREER Award recipients and one NSF Young Investigator Award recipient
- Natl. Academy of Engineering member
- Emmy Award recipient, National Academy of Television Arts & Sciences - for plasma screen technology
- Consumer Electronics Hall of Fame Inductee
- National Inventor's Hall of Fame Inductee
- DOE Early Career PI Award recipient
- American Association for Artificial Intelligence Fellow
- American Mathematical Society Fellow
- 6 Institute of Electrical and Electronics Engineers (IEEE) Fellows
- IEEE Dist. Service Award recipient
- 2 IEEE Golden Core members
- IEEE Computer Society Dist. Scientist, Dist. Visitor, and Dist. Lecturer
- ACM SIGSOFT Inaugural Influential Educator Award recipient
- ACM Distinguished Scientist
- ACM Distinguished Speaker
- Sigma Xi Outstanding Young Researcher
- Computing Research Assoc. (CRA) Digital Government Fellow
- American Academy of Forensic Sciences (AAFS) associate member
- 2 Senior Research Ethics Fellows
- Alcoa Foundation Engineering Research Achievement Award recipient
- Center for Democracy & Tech. Fellow
- IBM Smarter Planet Innovation Faculty Award winner
- 11 members in NC State Academy of Outstanding Teachers
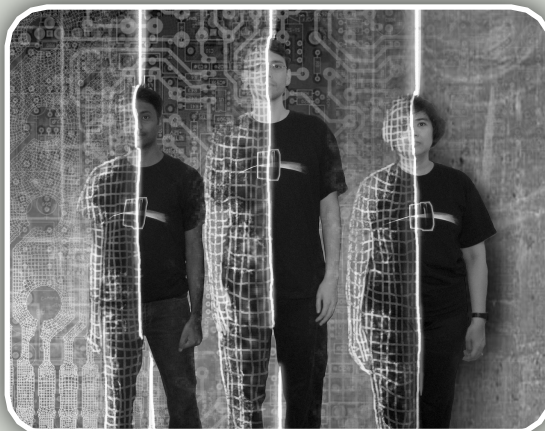- NC State Academy of Outstanding Faculty Engaged in Extension member

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 Park (RTP) and beyond.

Opportunities

- Research with faculty - research centers and groups, undergraduate opportunities, 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
    - STARS Student Leadership Corps
    - Women in Computer Science
- National competitions and recognition: Recent student honors include 1st place in CSIDC World Finals, ACM Grand Award, Google Anita Borg Scholarship, IBM's Extreme Blue Internships, *USA Today* Academic All American.
- CSC-specific scholarships: 21 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. 2012[4]
    - BS CSC - $60,494 (range $54-66K)
    - MS CSC - $89,154 (range $63-118K)
- 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, Tekelec, 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]

Select Distinguished Alumni

- **Thushan Amarasiriwardena** - Founder, LaunchPad Games and creator of award-winning Toontastic App
- **Marshall Brain** - Author, TV Star & Founder of HowStuffWorks.com; NC State Distinguished Engineering Alumnus
- **Keith Collins** - CTO, SAS Institute; NC State Distinguished Engineering Alumnus
- **Suzanne Gordon** - CIO (retired), 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
- **Richard Krueger** - developed *xRes* (now Macromedia's *Fireworks*), President & CEO of Skinux
- **Dr. Elizabeth Mynatt** - Executive Director, Georgia Tech Institute for People and Technology
- **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," Senior Consultant with Plaza Bridge Group

Our 6,800+ alumni are located in all 50 US states and in 24 countries.