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 Computer Science - Tracks in Data Science, Security, and Software Engineering
- Master of Networking (Thesis and non-thesis options) with available concentration in Service Sciences, Management and Engineering (SSME)

KEY STATISTICS
- Established in 1967 - one of the first official Computer Science Departments in the U.S.
- Approximately 48 faculty, 7 emeritus faculty, 23 lecturers and adjuncts, and 39 research, IT and administrative staff
- Rankings:
  - 3rd among Online Master's Degree programs (Best Buy Online Degree) ¹
  - 9th in Computer Science M.S. enrollment ²
  - 11th in Computer Science Ph.D. enrollment ²
  - 15th in Computer Science undergraduate enrollment ²
  - 19th in Computer Science BS degrees awarded ²
  - 12th in Computer Science research expenditures ²
  - 4th in Computer Science MS degrees awarded ²
  - 9th in Computer Science PhD degrees awarded ²
  - 6th in Best Online Graduate Computer Information Technology programs ³
  - 1st in Tenure-track female faculty among all CSC depts. in Colleges of Engineering ²
  - 5th on Go Grad's 2015-2016 List of Best Master's Programs in Computer Science

- Engineering Online Ranked Nation's Best Online Graduate Engineering Program for Veterans and Active-duty Military Personnel (2013) ³
- Enrollment 2017-18 Academic Year
  - Undergraduate 1,049
  - Master's 507
  - Doctoral 197
- Incoming Freshmen Fall 2017
  - Average GPA: 4.66 (weighted scale)
  - Most admissions between 4.37-4.95
  - Average SAT: 1399 (reading and math only)
  - Most admissions between 1244-1458
- Facilities
  - Engineering Building II (EB2), state-of-the-art teaching and research facility, opened in fall 2006
  - Numerous research and teaching centers, institutes, laboratories and groups (e.g., Center for Educational Informatics, Digital Games Research center (DGRc), etc.)
  - Leading-edge networking and computational infrastructure
  - Corporate and Career Services Suite
- Designated by NSA and DHS as a National Center of Excellence in Information Assurance Research (CAE-R)
- Academic Alliance Member of National Center for Women and Information Technology
- Recognized as a Laureate in Computerworld Honors Program in 2007 and 2009
- Video Game Design and Development program recognized by The Princeton Review as #7 among public universities, and #38 overall.

OPPORTUNITIES
- Research with faculty - research centers and groups, undergraduate opportunities, scholars and honors programs
- Applied learning - award-winning capstone Senior Design Center projects
- More than 100 companies actively partner with the department via sponsored programs, research, scholarships, projects and initiatives.
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 (WICS)

National competitions and recognition: 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.

Computer science students are eligible for College of Engineering and University-wide scholarships. Details available at www.csc.ncsu.edu/academics/undergrad/scholarships.

Computer science-specific scholarships: 26 endowed and numerous sponsored and external

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

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.

CAREERS
- Average starting salaries, May 2017:
  - BS CSC - $70,000
  - MS CSC - $108,000
- 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, NetApp, Fidelity Investments, Amazon, and many others.
- Computer Science related careers listed among US News & World Reports “Best STEM Jobs of 2017”:
  - #2 - Computer Systems Analyst
  - #3 - Software Developer
  - #9 - Web Developer
  - #12 - Computer Network Architect
  - #16 - Database Administrator
  - #19 - Information Security Analyst

FACULTY HONORS
- 28 National Science Foundation CAREER Award recipients and one 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
- National Inventor's Hall of Fame Inductee
- DOE Early Career PI Award recipient
- 2 American Association for Artificial Intelligence Fellows and a Senior Member
- American Mathematical Society Fellow
- 7 Institute of Electrical and Electronics Engineers (IEEE) Fellows
- IEEE Dist. Service Award recipient
- 3 IEEE Golden Core members
- IEEE Computer Society Dist. Scientist, Dist. Visitor, and 2 Dist. Lecturers
- ACM SIGSOFT Inaugural Influential Educator Award recipient
- 3 ACM Distinguished Scientists
- Computing Research Assoc. (CRA) Digital Government Fellow
- NCDs Data Science Faculty Fellow
- 2 Senior Research Ethics Fellows
- Microsoft Research Outstanding Collaborator Award winner
- Center for Democracy & Technology Fellow

SELECT DISTINGUISHED ALUMNI
- David Burke - Director of Cyber Warfare for Naval Aviation
- Marshall Brain - Founder of HowStuffWorks.com; NC State Distinguished Engineering Alumnus
- Keith Collins - EVP and CIO, SAS Institute; NC State Distinguished Engineering Alumnus
- Brenda Crutchfield - Deputy Director of Future Operations, US ARCYBER
- Nimit Desai - Research Staff, IBM and Creator of Mesh Network Alerts
- Suzanne Gordon - Retired CIO, SAS Institute
- Dr. Larry Hodges - VR Expert and Professor of Human-Centered Computing at Clemson University
- Richard Holcomb - Serial Entrepreneur
- Bobby Johnson, Jr. - Former CEO and Co-founder of Foundry Networks; NC State Distinguished Engineering Alumnus
- Dr. Elizabeth Mynatt - Distinguished Professor; Executive Director, Georgia Tech Institute for People and Technology
- Rudy Puryear - Partner and Director, Bain & Company IT practice
- Troy Tolle - Co-founder and CTO, DigitalChalk, Inc.
- Erik Troan - Serial Entrepreneur
- Donna Troy - Retired EVP and General Manager, Epicor Software
- Josh Whiton - Founder and Former CEO, TransLoc, Inc.
- Dr. Pinar Yolum - Entrepreneur and Professor, Bogazici University

Our 9,000+ alumni are located in all 50 US states and in 24 countries

*Accredited by CAC/ABET
1  www.geteducated.com/rankings/best_computer.asp
2  ASEE data, 2016-2017
3  U.S. News and World Report, 2017
4  NC State University Career Center
5  money.usnews.com/careers/best-jobs/rankings/best-stem-jobs

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