External Relations at the NC State University Department of Computer Science

Ken Tate
North Carolina State University

• A Nationally Recognized Leader in Science & Technology Education and Research

• 12 Colleges / >300 Fields of Study / ~36,000 students

• ~$373M in new research awards in fiscal year 2019, placing NC State among the most productive research universities

• 1,500+ patents, 170+ startups launched, >600 consumer products to market

• #2 nationwide in licenses and options executed among universities without a medical school; #4 for startups launched

• One of only two universities in the nation leading two National Science Foundation Engineering Research Centers, and one of only three universities to ever house three ERCs

Ranked #1 ‘best public college’ in North Carolina by Money Magazine
Department of Computer Science

• Part of the NCSU College of Engineering
• Among Nation’s Largest and Oldest
• Research: $11.6M in Expenditures & a record $14.4M in new awards in ’19-20
• Expertise includes artificial intelligence, serious games, networking, security, software engineering, and systems, as well as development of strong leadership, communications and collaborative skills.
• 13 Research centers and more than 35 labs & groups.
• 30 faculty have received NSF Early Career Awards

Founded in 1967 – NCSU ranks among the leading producers of CSC graduates in the United States
CSC Points of Interest

• Recognized by U.S. National Security Agency as a Center of Academic Excellence in Information Assurance Research

• 1st university in N.A. to establish an IBM Q Hub for Quantum Computing

• Top 25 Game Development Concentration (The Princeton Review)

• #6 in 2019 Best Online Graduate Computer IT programs (USN&WR)

• #4 ‘Best School to earn your Cybersecurity Master's Degree’ & #11 ‘Top 55 Cybersecurity Programs in the U.S!' (Cyber Degrees EDU)

• Dr. Don Bitzer, Distinguished University Research Professor, co-inventor of flat plasma display and Emmy award winner, recently inducted as a member of Consumer Electronics Hall of Fame and National Inventors Hall of Fame.

• Award winning Sr. Design Center student project experience stressing “Life Skills”

• CAC/ABET Accredited - two cycles w/ No Findings

• Top supplier of new grad talent to IBM, SAS, Red Hat, Cisco & NetApp

• #1 in tenure-track female faculty among all CSC departments in colleges of engineering
Key Departmental Stats

- #7 in CSC MS Degrees Awarded
- #8 in CSC PhD Degrees Awarded
- #26 in CSC BS Degrees Awarded
- #10 in CSC Research Expenditures
- #7 in High Performance Computer Research*
- #4 in Software Engineering Research*
- #18 in Systems Research*
- 49 faculty, 9 emeritus faculty, 9 teaching professors, 31 lecturers & adjuncts, 40 research, IT and admin staff

Median Starting Salaries - Dec 2020
>$81K for BS, >$112K for MS

Fall ’20 CSC Enrollment
Undergraduates 1,346
Graduates
Masters Students 336
Ph.D. Students 201
Total 1,883
CSC Enrollment Trends

Undergraduate vs. Graduate
Freshman Profile - Early Admits

Fall 2020 - 631 Accepts

• Average GPA: 4.39 (weighted scale) \(^4%\) Compared to 4.22 in 2010.

• Average SAT: 1435 (R&M only) \(^13.3\%\) Compared to 1266 in 2010.

• 174 Females \(^7.4\%\) over 2019 (27.6% of total compared to ~19% for entire CSC undergrad enrollment)

• 41 International (6.5%), 146 US not NC (23.1%), 447 NC (70.8%)

Since Fall of 2008, actual female undergraduate enrollment has increased from 69 to 215 (\(^211\%)\) and from 11.4% to over 19%
Key Leaders

Dr. Gregg Rothermel
Department Head
Professor

Dr. George Rouskas
Director of Graduate Programs

Dr. Sarah Heckman
Director of Undergraduate Programs

Dr. Rudra Dutta
Interim, Associate Department Head

Dr. Jasmine Adams
Director of Undergraduate Advising

Margaret Heil
Director of Sr Design Center

Leslie Rand-Pickett
Director of Graduate Career Services

Ken Tate
Director of Engagement & External Relations
EB2 - Home of Computer Science

- 210,000 sq. ft.
- 50 Teaching & Research Labs
- Nine Classrooms w/ 785 Seats
- DELTA Classroom
- Port City Java

EB2 serves as the ceremonial gateway to Centennial Campus for the College of Engineering
CSC Corporate & Career Services Suite

1222 EB2 on Centennial Campus
Two High-tech Interview Rooms
Remote Interview Capabilities
Career Services Support
Resume & Interview Skills

Computer Science is the only known department on campus to provide such service to its students
ePartners - The Vision

“The primary focus of the ePartners Program is to foster ongoing communications and interaction between students, faculty, and our corporate partners to help shape the department's future. Unrestricted funding and support generated by the program allow our department to continue to grow in emerging areas of computer science technology while providing the highest quality educational experience possible for our students.”

Dr. Gregg Rothermel
Department Head
Professor
Current Super ePartners

- Cisco
- Blue Cross Blue Shield of North Carolina
- LabCorp
- PRA Health Sciences
- TRUIST
- SAS
- LexisNexis
- IBM
- Oracle
- Fidelity Investments
- NetApp
- MERCK
- Be well
ePartners Program Advantages

In recognition of their support, ePartners have access to numerous resources & advantages including, but not limited to:

- Exclusive Recruiting Activities & Tools
- Recognition, Branding, & Marketing Exposure
- Interaction & Engagement w/ Faculty & Students
- Invitations to special events, receptions, seminars, lectures, forums, and focus groups
- Charitable Tax Benefits
- Sponsorship opportunities including Sr Design Center projects, major events, programs, & strategic initiatives

The ePartners Program supports continued growth in emerging areas of technology while providing the highest quality education for our students
Exclusive Recruiting Activities & Tools

- Annual Career Connections Event
- CSC Resume Books on ePack
- Special “Top Bill” positioning on Web-based Job Postings
- Early & Exclusive access to dedicated facilities for Info Sessions and events
- Priority access, with complementary parking, to use interview rooms and office drop space in CSC Graduate Career Services Suite in EB2
- Dedicated “in-department” Recruiting Assistance & Support

ePartners Get Our Best & Brightest Talent!
Exclusive Recognition & Exposure

- Complimentary ACM/AITP “Tech Talk” Sponsorships
- Targeted class lectures & panel discussions
- ePartners Web Site Recognition
- Special Wall Display within EB2
- Events Featured in Weekly Email Blasts & Social Media Reminders
- Direct Email Access to Students & Faculty
- Major events, programs, & strategic initiative sponsorships
- Frequent Press Releases & News Features
- Rotating Profile in Weekly Student Email Blasts

Exposure & Visibility Influence Perceptions
Exclusive Interaction & Engagement

- Open & Welcome Access to Faculty
- Priority opportunity to participate in E-Day and related events to conduct mock interviews, review résumés, serve on panels, etc
- Invitations to Seminars, Lecture Series, and Technology Forums
- Subscription to Numerous NC State, College of Engineering & CSC Publications
- Support w/ Arranging Focus Groups, Product/Feature Reviews, etc.

Super ePartners have opportunity for Executive Representation on our CSC Strategic Advisory Board
Super ePartners Advantages

- Two (2) Sr Design Center Projects per Year or a Major Sponsorship of equivalent value
- Feature Page on ePartners Web Site – a “jump page” detailing the company’s partnership, recruiting interests, and special content, messages & links
- Priority access to present to CSC600 - Intro to CSC Graduate Studies class each fall.
- Priority sponsorship selections from over 30 major events, programs, and strategic initiatives
- Executive Representation on Strategic Advisory Board
Business Impact of Being an ePartner

- Be positioned to attract our top talent at a significantly lower “cost per hire”
- Provide input to help influence the department’s future curriculum and research focus
- Optimize marketing & image exposure to help influence the decision makers of the future
- Connect with other ePartners to explore business partnerships and opportunities
- Support your strategic “community relations” goals
- Generate “win-win” solutions w/ a SDC Project
ePartners Annual Support Levels

- Start-ups (<2 years old) or <100 employees         $1,500*
- Companies w/ < 250 employees                      $2,500*
- Companies w/ 251-1,000 employees                 $5,000*
- Companies w/ 1,001-5,000 employees               $7,500*
- Companies w/ 5,001-10,000 employees              $10,000*
- Companies w/ > 10,000 employees                  $15,000*
- Super ePartners                                   $25,000*

*Initial support levels are adjustable to reflect equipment & other forms of financial support to the department!
Other Partnership Opportunities

- Scholarship Sponsorships & Endowments
- Faculty Endowments & Start-up Packages
- Research Grants & Sponsorship
- Diversity in Computer Science Initiatives Sponsorship
- Gifts-in-Kind (equipment / software)
- Sr Design Center Student Project Sponsorship
- Event & Activity Sponsorship
- Facility, Center & Department Naming Rights
ePartners Funding Supports

- New Program Development
- Faculty Recruitment & Start-ups
- Curriculum Innovations
- Instructional Technologies
- Major Departmental Events
- Staff Travel & Development
- Outreach Initiatives
- Student Recruitment
- Facilities Enhancements
Virtual Career Fair

ePartners Career Connection

MEET SOME OF THE NATION'S TOP EMPLOYERS LOOKING FOR CSC TALENT!

Download Career Fair Plus @ http://go.ncsu.edu/ecfapp

NC STATE UNIVERSITY

SEPTEMBER 14
12-4 PM

- Create your Career Fair Plus account by clicking Virtual Appointments.
- NC State students can book appointments with recruiters starting August 31
Please follow the department...

Links at www.csc.ncsu.edu
Q&A

Ken Tate
Director of Engagement and External Relations
NC State University
Dept of Computer Science
1204-F Engineering Building II (EB2)
Raleigh, NC 27695-8206
(919) 513-4292 – Office
(919) 656-4480 – Cell
Email: kmtate2@ncsu.edu