

We don't just work with tomorrow's technology...

WE CREATE IT.

We Do Cool Things

NC State University's Department of Electrical and Computer Engineering is nationally and internationally recognized as one of the premier engineering programs in the world.

Our faculty and students have earned international recognition for their strong multi-disciplinary and collaborative research.

The department's areas of expertise include:

- Bioelectronics Engineering
- Computer Architecture and Systems
- Communications and Signal Processing
- Controls, Robotics and Mechatronics
- Electronic Circuits and Systems
- Physical Electronics, Photonics, and Magnetics
- Networking
- Power Electronics and Power Systems
- Renewable Energy

Our department serves as a statewide focal point for innovation, entrepreneurship, and economic development. ECE attracts many of the best and brightest students from around the world and our graduates are aggressively recruited by leading engineering firms, start-ups, corporations, government agencies, start-ups and research universities.

Live. Work. Learn.

NC State's extraordinary Centennial Campus, home to over 70 businesses and government agencies, offers a collegial setting for industry to work side-by-side with NC State innovators to solve real-world problems.

The campus is also home to walking trails surrounding Lake Raleigh, a hotel and conference center, a magnet middle school, a championship golf course, and the award-winning James B. Hunt, Jr. research library which *Time* magazine dubbed "the library of the future."

ECE Undergraduate Students



Typical SAT: 1220-1420
Typical High School GPA: 4.4 - 4.7



Starting Salary*: \$66K

ECE Graduate Students



3rd Largest in the Nation (800+ students)



Top 10 in US in annual research expenditures

*Salary data based on Class of 2018 data from the Office of Institutional Research and Planning.

NC STATE
UNIVERSITY

**Electrical and
Computer Engineering**

 **@NCStateECE**
 **ece.ncsu.edu**

Smartphones. Transportation. Power.
Aircraft. Healthcare. Robotics. Defense.

WE DO IT.

The Place to Be

The Raleigh-Durham area is consistently listed as one of the best places to live in the country. Located just a few miles from the “epicenter of innovation” – Research Triangle Park – our students and graduates have abundant opportunities for internships, co-ops, and employment with leading technology companies. When it’s time to relax and take a break, the beaches and mountains of North Carolina are an easy drive from Raleigh.

The Coolest Facilities

We offer state-of-the-art teaching and research facilities, including 9 research centers and institutes, 42 teaching and research laboratories, and a 7,400-square-foot cleanroom.

ECE leads the National Science Foundation’s Future Renewable Electric Energy Delivery and Management (FREEDM) Systems Center – dedicated to finding long-term solutions for secure, sustainable, and environmentally-friendly energy. We also spearhead the Nanosystems Engineering Research Center (NERC) for Advanced Self-Powered Systems of Integrated Sensors and Technologies (ASSIST) – developing and employing nano-enabled energy harvesting, energy storage, nanodevices and sensors to create innovative battery-free, body-powered, and wearable health monitoring systems.

Phenomenal Faculty

Our elite ECE faculty includes 22 IEEE Fellows and 17 National Science Foundation CAREER award winners (presented to the nation’s most promising young faculty members).

Dr. B. Jayant Baliga has been awarded the National Medal of Technology and Innovation, the nation’s highest honor for technological achievement.

Dr. Veena Misra, an IEEE fellow and director of the National Science Foundation’s ASSIST research center, is an industry leader in ultra-low power health wearables.

Dr. Alper Bozkurt was named to *Popular Science’s* “Brilliant 10” in 2015 for his work on the “internet of bionic things.”

Invest in Your Future

At NC State, we believe you’ll get a significant return on your investment - a first-rate education from a comprehensive university. And we aren’t the only ones who think so. NC State was ranked 4th by the *Princeton Review* and 5th by *U.S. News & World Report* for “best overall public university value.” As one of the nation’s leading land-grant institutions, founded on the principle of helping others help themselves, educational parity is not just our commitment, it’s our promise.

NC State University is dedicated to equality of opportunity. The University does not condone unlawful discrimination against students, employees, or applicants in any form. NC State commits itself to positive action to secure equal opportunity regardless of race, color, creed, national origin, religion, gender, age, or disability. In addition, NC State welcomes all persons, without regard to sexual orientation.

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