

About NJIT

One of the nation's leading public technological universities, New Jersey Institute of Technology (NJIT) prepares students to be leaders in the technology-dependent economy of the 21st century. Founded in 1881, NJIT has a student enrollment of more than 8,200 on its 45-acre campus, of which about 3,000 are graduate students.

- According to Forbes.com, NJIT ranks among the nation's 25 "most connected" campuses.
- *Careers and Colleges* magazine ranks NJIT among its "15 great schools at a great price"
- NJIT Ranks among "Top American Research Universities" in an annual study by The Center at the University of Florida. With growth of some 355 percent since 1991, the university's program ranks among the fastest-growing university R&D programs in the country and among the top five research programs among the nation's technological universities.
- NJIT ranks 13th in the nation in campus diversity, according to a *U.S. News and World Report* survey.
- Students are offered a unique advantage when seeking full-time employment, through strong cooperative education and internship programs as well as close ties to the leading technological companies.
- Students benefit from small classroom sizes and a student-to-faculty ratio of 13 to one.



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Department of Electrical and Computer Engineering
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2008 Summer Electrical and Computer Engineering Career Exploration Program

July 15-16, 2008



For High School Sophomores and Juniors Interested In Electrical and Computer Engineering

Sponsored By:



Program

The Summer Electrical and Computer Engineering Career Exploration is a program that allows high school sophomores and juniors an opportunity to explore electrical and computer engineering (ECE) careers. The two day program is held at NJIT where students will interact with well known electrical and computer engineers, learn about ECE Careers, tour NJIT Facilities and stay overnight in our spacious residence halls and work on fun but technically challenging projects. Industry sponsored awards will be presented to selected students based on their project performance.

The participants will be provided with a kit of electronic devices, digital multimeter (to measure voltage, current resistance) and various parts and tools to build and test a number of technical fun projects. Students keep their kit (worth over \$100) to take home after the program. A breadboard will be included in the kit to allow students implement and test thousands of different circuits easily even after the conclusion of the program. Dress code is casual. Overnight stay at the NJIT dorm is included in the fee. Various fun activities are organized with NJIT students and mentors.

Day One

- 9:00 a.m. Breakfast with parents/ guardians, students and NJIT administration and faculty
- 10:00 a.m. Keynote Talk on Electrical and Computer Engineering
- 11:00 a.m. Campus Tour
 - Microelectronics Research Center
 - Gym
 - Student Center
- 12:30 p.m. BBQ lunch on Roof Top Terrace
Project Team Leaders
- 1:30 p.m. Fun technical projects with student facilitators
- 5:00 p.m. Dinner
- 6:00 p.m. Activities with ECE student Facilitators (swimming, volleyball, bowling, soccer, basketball, etc.)



Day Two

- 9:00 a.m. Breakfast
- 10:00 a.m. ECE Student presentations
- 11:00 a.m. Work on projects
- 12:00 p.m. Lunch with Darpa Grand Challenge
- 1:00 p.m. Work on projects
- 3:00 p.m. Presentations to peers, parents/ guardians, faculty and NJIT administration
- 4:00 p.m. Awards Ceremony
- 4.30 p.m. Reception and departure



Awards Ceremony

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About ECE Department

Ranked in the top 20% of the programs in the nation, the ECE Department at NJIT has outstanding faculty members with internationally known research expertise and proven teaching experience to bring out successful engineers and entrepreneurs that are employed in leading high-tech companies in USA and worldwide. A well focused curriculum program offers one-to-one student advising, peer mentoring, and opportunities to do co-ops and internship with leading companies such as IBM, Telcordia, Lucent, InterDigital and Spirent Comm.

The residence halls are air conditioned, secure and chap-eroned.

Student's Name

Address

City

State

Zip Code

Telephone Number

Email

Parent/ Guardian Name

Emergency Number

Student's Age, Gender, Grade & Current GPA
**Please include a copy of your recent report card*

Student's High School

Application Deadline: June 16, 2008

No Refunds after July 1, 2008

Enrollment is limited to 30 students

Please enclose check for \$285 to cover tuition, all meals and materials. Please make checks payable to NJIT-ECE.

Additional details will be sent to you upon acceptance

Questions? - Please call Dr. Hou at 973-596-3521

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