



## ELECTRICAL ENGINEERING

State-of-the-art interdisciplinary courses have been developed to prepare the Drexel engineer for the technical challenges and the business atmosphere of the 21st century. Strong emphasis is given to the role of the engineer in the global competitive economy, and to the need to work closely with experts.

The curriculum offers three different tracks, or areas of study: electronics, telecommunications/digital signal processing, and electrical engineering. The telecommunications/DSP track prepares students for mastery of fundamental and applied knowledge in the theory and the technology of the transmission and processing of information-bearing signals such as voice, audio, data, images, and video. The electronics track constitutes the study of electronic and optical semiconductor devices; analog and digital electronic circuits; and generation, transmission, and reception of information both in optical and microwave frequency ranges and guided or free-space conditions. The electrical engineering track has at its core the areas of controls engineering and electric power engineering, the classic core of electrical engineering, and exploits the synergies between these two areas.

Students wanting specific information about the major are encouraged to stop by the department office in the Bossone Research Center, room 312, call the department at 215-895-2241 or visit their website at [www.ece.drexel.edu](http://www.ece.drexel.edu).

**Employers who have hired Drexel students include:**

Comcast Corporation  
Lockheed Martin  
Motorola  
Exelon  
Pennsylvania Power & Light (PPL)  
SAP America  
Siemens  
Sunoco  
Unisys

## JOB TITLES

Controls System Engineer  
Designer/Drafter  
Electrical Engineer  
Geotechnical Engineer  
Hardware Engineer

Mechanical Engineer  
Networking Support Assistant  
Operations Support Engineer  
Software Developer  
Transportation Engineer

Please refer to the SCDC website ([www.drexel.edu/scdc](http://www.drexel.edu/scdc)) for our most recent co-op salary information.

# PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

**American Society for Engineering Education**

[www.asee.org](http://www.asee.org)

**Electrical Engineer Jobs**

[www.electricalengineer.com](http://www.electricalengineer.com)

**Institute of Electrical and Electronics Engineers**

[www.ieee.org/](http://www.ieee.org/)

**National Society of Black Engineers**

[www.nsbe.org](http://www.nsbe.org)

**Society of Women Engineers**

[www.swe.org/](http://www.swe.org/)

## CAREER RESOURCES

**Steinbright Career Development Center**

**Pre-Professional Advising (Prelaw, Prehealth)**

[www.drexel.edu/scdc/careerservices/pre-professional-advising/index.html](http://www.drexel.edu/scdc/careerservices/pre-professional-advising/index.html)

**Writing Your Resume**

[www.drexel.edu/scdc/coop/COOP101/materials/writingyourresume.html](http://www.drexel.edu/scdc/coop/COOP101/materials/writingyourresume.html)

**Interviewing**

[www.drexel.edu/scdc/coop/COOP101/materials/interviewing.html](http://www.drexel.edu/scdc/coop/COOP101/materials/interviewing.html)

**Workshop Calendar**

[www.drexel.edu/scdc/events/workshops/coop-workshops.html](http://www.drexel.edu/scdc/events/workshops/coop-workshops.html)

## DREXEL DEPARTMENTS

**Career Services Library**

**Careers Collection**

Hagerty Library

33<sup>rd</sup> and Market Streets, Room 136

215-895-6843

[www.library.drexel.edu/services/refcareers.html](http://www.library.drexel.edu/services/refcareers.html)

**Offices of Student Services at College of  
Engineering**

Bossone Research Center, Room 312

215-895-2241

[www.ece.drexel.edu/](http://www.ece.drexel.edu/)