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.

<table>
<thead>
<tr>
<th>Employers who have hired Drexel students include:</th>
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<tbody>
<tr>
<td>Comcast Corporation</td>
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<td>Lockheed Martin</td>
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<td>Motorola</td>
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<td>Exelon</td>
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<td>Pennsylvania Power &amp; Light (PPL)</td>
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<td>SAP America</td>
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<td>Siemens</td>
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<td>Sunoco</td>
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<td>Unisys</td>
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JOB TITLES

Controls System Engineer          Mechanical Engineer
Designer/Drafter                  Networking Support Assistant
Electrical Engineer               Operations Support Engineer
Geotechnical Engineer            Software Developer
Hardware Engineer                Transportation Engineer

Please refer to the SCDC website (www.drexel.edu/sede) for our most recent co-op salary information.
PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

American Society for Engineering Education
www.asee.org

Institute of Electrical and Electronics Engineers
www.ieee.org/

Society of Women Engineers
www.swc.org/

Electrical Engineer Jobs
www.electricalengineer.com

National Society of Black Engineers
www.nsbe.org

CAREER RESOURCES

Steinbright Career Development Center
Pre-Professional Advising (Prelaw, Prehealth)
www.drexel.edu/scdc/careerservices/pre-professional-advising/index.html

Writing Your Resume
www.drexel.edu/scdc/coop/COOP101/materials/writingyourresume.html

Interviewing
www.drexel.edu/scdc/coop/COOP101/materials/interviewing.html

Workshop Calendar
www.drexel.edu/scdc/events/workshops/coop-workshops.html

DREXEL DEPARTMENTS

Career Services Library
Careers Collection
Hagerty Library
33rd and Market Streets, Room 136
215-895-6843
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/