



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 (DSP), and power/systems & controls. 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 power/systems & controls track has, at its core, the areas of controls engineering and electric power 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 313, call the department at 215.895.2241, or visit their website at drexel.edu/ece.

Employers Who Have Hired Drexel Students Include:
Army Research Laboratory Comcast Corporation EwingCole Exelon Corporation Lockheed Martin Micron Technology NAVSEA PJM Interconnection Schweitzer Engineering Laboratories

JOB TITLES

Hardware Development Engineer
Reliability Engineer
Design and Test Engineer
Broadcast Engineer
Control Engineer

RF Engineer
Electrical Engineering Technician
Systems Engineer
Software Engineer
Solar Electrical Engineer

Please refer to drexel.edu/scdc for our most recent co-op salary information.

PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

Institute of Electrical and Electronics Engineers
IEEE.org

Society of Women Engineers
swe.org

American Society for Engineering Education
asee.org

National Society of Black Engineers
nsbe.org

International Microelectronics and Packaging Society (iMAPS)
imaps.org

Society of Asian Scientists and Engineers
saseconnect.org

Electrical Engineer Jobs
electricalengineer.com
eeweb.com/jobs

Society of Hispanic Professional Engineers
shpe.org

CAREER RESOURCES

Resume, Interviewing and Job Search Best Practices
drexel.edu/scdc/professional-pointers

Workshop Calendar
drexel.edu/scdc/calendars-events/workshops

DREXEL DEPARTMENTS

Department of Electrical & Computer Engineering
Bossone Research Center
3120 Market Street, Room 313
drexel.edu/ece

**Career Services Library
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33rd and Market Streets, Room 136
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