

COMPUTER ENGINEERING

Computer engineers design smaller, faster, and more reliable computers and digital systems; embed microprocessors in larger systems (e.g., anti-lock brake systems); work in theoretical issues in computing; use object-oriented programming languages; and design large-scale software systems and computer networks. Computer engineers may work in positions that apply computers in control systems, digital signal processing, telecommunications, and power systems, and may design very large-scale integration (VLSI) integrated circuits and systems.

The computer engineering degree program is designed to provide our students with breadth in engineering, the sciences, mathematics, and the humanities, as well as depth in both software and hardware disciplines appropriate for a computer engineer. It embodies the philosophy and style of the Drexel engineering curriculum, and will develop the student's design and analytical skills. In combination with the co-op experience, it opens to the student opportunities in engineering practice, advanced training in engineering or in other professions, and an entry to business and administration.

The computer engineering program's courses in Electrical and Computer Engineering are supplemented with courses from the departments of Mathematics and Computer Science. Students gain the depth of knowledge of computer hardware and software essential for the computer engineer.

Students interested in specific information about the major are encouraged to stop by the department office in Room 312 of the Bossone Research Center, call 215.895.2241, or visit drexel.edu/ece.

JOB TITLES

Automation Engineer
 Cyber Security Analyst
 Hardware Development Engineer
 Mobile Application Developer

Network Engineer
 Programmer/Analyst
 System Verification Engineer
 Test Engineer

Employers Who Have Hired Drexel Students Include:

Amazon
 AT&T Mobility
 COMCAST CORPORATION
 Exelon
 JP Morgan Chase & Co
 Lockheed Martin
 NVIDIA
 PJM Interconnection
 SAP America
 Siemens
 Sirius XM
 Sungard
 Susquehanna International Group
 Woodward McCoach Inc
 UNISYS Corporation

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

PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

Association for Computing Machinery
acm.org

American Association of Engineering Societies
aaes.org

ElectricalEngineer.com
electricalengineer.com

Institute for Electrical and Electronics Engineers
ieee.org

National Society of Black Engineers
nsbe.org

Society of Women Engineers
swe.org

CAREER RESOURCES

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

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

DREXEL DEPARTMENTS

Department of Electrical and Computer Engineering
Bossone Building
3140 Market Street
drexel.edu/ece

**Career Services Library
Careers Collection**
Hagerty Library
33rd and Market Streets, Room 136
libguides.library.drexel.edu/careers