Computer Engineering

Computer engineers design smaller, faster, and more reliable computers and digital systems. Computer engineers also embed microprocessors, use object-oriented programming languages, and design large-scale software systems and computer networks. Graduates 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 Bachelor of Science in Computer Engineering provides a broad focus on digital circuit design, computer hardware and organization, programming and computer software, algorithms, and networks. The computer engineering program includes the same basic courses as the electrical engineering degree, but also strongly emphasizes computer-related subjects. This major is designed to prepare students for positions in the areas of design and architecture of digital computers, as well as in the applications of computers and digital systems.

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

Employers who have hired Drexel students include:

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<th>Children’s Hospital of Philadelphia</th>
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<tbody>
<tr>
<td>Cingular Wireless</td>
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<tr>
<td>City of Philadelphia</td>
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<tr>
<td>Comcast Corporation</td>
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<td>Gestalt</td>
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<td>GlaxoSmithKline</td>
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<td>Lockheed Martin</td>
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<td>Motorola</td>
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<td>Saint-Gobain Corporation</td>
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<td>Unisys</td>
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<td>University of Pennsylvania</td>
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Job Titles

- Applications Developer
- Electrical Engineer
- Hardware Engineer
- Help Desk Associate
- PC Technician
- Programmer
- Software Engineer
- Software Quality Assurance Co-op
- Systems Analyst
- Web Developer

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

American Association of Engineering Societies
www.aaes.org

IEEE Computer Society
www.computer.org

Association for Computing Machinery
www.acm.org

International Webmasters Association
www.iwanet.org

Computerworld Careers
www.computerworld.com/cwi/careers

National Society of Black Engineers
www.nsbe.org

Developers.net
www.developers.net

National Workforce Center for Emerging Technologies
www.nwcet.org

Electrical Engineer
www.electricalengineer.com

Society of Women Engineers
www.swe.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

Civil, Architectural & Environmental Engineering Department
3141 Chestnut Street
Curtis Hall, Room 251
215-895-2341
www.cae.drexel.edu

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