



SOFTWARE ENGINEERING

Software engineering is a profession dedicated to addressing the need of high quality and dependable software developed at a predictable cost. Software engineering makes the creation of software as efficient as possible by the application of appropriate processes, methods, and tools to the problem of building and maintaining software. The goal of software engineering is to be able to create software with a defined level of quality, at a predictable cost, on a predictable schedule. The Bachelor of Science in Software Engineering prepares students for careers focused on all aspects of creation and management of complex software systems. The degree program provides foundations in a range of computer science, engineering, and information systems topics. These are supplemented with courses that develop skills in various approaches to problem solving, oral and written communication, and working in teams.

Employers who have hired Drexel students include:

DRS C3 Systems LLC
E. I. DuPont De Nemours & Co
GlaxoSmithKline
Independence Blue Cross
Lockheed Martin
Microsoft Corporation
Motorola
Siemens
Thomas Jefferson University
U.S. Army Corps of Engineers

To help students develop this application area knowledge, the program includes two tracks, the engineering track (through the College of Engineering) and the general track (through the College of Information Science and Technology). The engineering track supports students interested in developing software for areas including engineering applications for embedded systems and some types of systems software. The general track supports students interested in developing software for areas including information systems, systems software and science, social science, and business applications.

Students wanting specific information about the major are encouraged to stop by room 306 of the Rush building, call 215-895-2669, or visit their website at <http://www.cs.drexel.edu>.

JOB TITLES

Customer Service Engineer
Internet Developer
IT Specialist
Multimedia Designer

Network Operations Manager
System Administrator
Software Developer
Software Engineer

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

PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

National Workforce Center for Engineering Technologies

<http://www.nwcet.org>

Institute of Electronics and Electrical Engineers Computer Society

<http://www.computer.org>

National Society of Black Engineers

www.nsbe.org

Association for Computing

<http://www.acm.org>

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

College of Information Science and Technology

Rush Building, room 306

215-895-2474

<http://www.ischool.drexel.edu>

Offices of Student Services at College of Engineering

(Undergraduate Advising)

University Crossings, Room 100

215-895-2211

<http://www.drexel.edu/coe/stuserv/>