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

National Society of Black Engineers
www.nsbe.org

Society of Women Engineers
www.swe.org/

Institute of Electronics and Electrical Engineers Computer Society
http://www.computer.org

Association for Computing
http://www.acm.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
(Undergraduate Advising)
University Crossings, Room 100
215-895-2211
http://www.drexel.edu/coe/stuserv/

College of Information Science and Technology
Rush Building, room 306
215-895-2474
http://www.ischool.drexel.edu