



CHEMICAL ENGINEERING

Chemical engineers are concerned primarily with process engineering: the conversion of raw materials into valuable products. The products can include pharmaceuticals, specialized plastics, petrochemicals, materials for biomedical applications, and energy. The processes, which usually start out at a small laboratory scale, must be developed for production at a large chemical plant scale. The large change in scale requires careful engineering to minimize environmental contamination and to ensure public safety.

The chemical engineering curriculum is structured so that students progress through sequences in the fundamental physical sciences, humanities, engineering sciences, and engineering design. All of the courses emphasize modern theories of chemistry and are designed to help students gain a clear understanding of their eventual assignments in engineering science and design. As students progress to courses in engineering science and design, problems of a textbook nature give way to real-world examples. By senior year, students are involved in comprehensive design projects.

Students wanting specific information about the major are encouraged to stop by the department office in the Center for Automation Technology (CAT), room 288, call the department at 215-895-2227, or visit their website at www.chemeng.drexel.edu.

**Employers who have hired
Drexel students include:**

Bristol Myers Squibb Company
E. I. Dupont De Nemours & Co
GlaxoSmithKline
Johnson & Johnson
Lannett Company, Inc.
Merck Pharmaceuticals
Sartomer Company Inc.
Sunoco, Inc
Synthes

JOB TITLES

Chemical Engineer
Chemist
Consulting Engineer
Environmental Engineer
Pharmaceutical Development Engineer

Process Engineer
Research & Development Engineer
Utility Program Associate
Water Resources Co-op
Laboratory Technician

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

PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

American Association of Engineering Societies
www.aaes.org

Chemical Engineer
www.chemicalengineer.com

American Chemical Society
www.acs.org

Society for Women Engineers
www.swe.org

American Institute of Chemical Engineers
www.aiche.org

Chemical Engineers' Resource Page
www.cheresources.com

Engineers' Club of Philadelphia
www.engrclub.org

National Society of Black Engineers
www.nsbe.org

Drexel University Chapter Society of Women Engineers
www.pages.drexel.edu/~dsoswe

National Society of Professional for Engineers
www.nspe.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