

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 chemeng.drexel.edu.

Employers Who Have Hired Drexel Students Include:
Air Products & Chemicals, Inc. Drexel University E. I. Dupont De Nemours & Co ExxonMobil GlaxoSmithKline Johnson & Johnson Johnson Matthey Inc Merck Philadelphia Water Department USDA ARS Eastern Regional Research Center

JOB TITLES

Chemical Engineer
Chemist
Consulting Engineer
Environmental Engineer

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

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

PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

American Association of Engineering Societies
aaes.org

Chemical Engineer
chemicalengineer.com

American Chemical Society
acs.org

Society for Women Engineers
swe.org

Chemical Engineers' Resource Page
cheresources.com

Engineers' Club of Philadelphia
engrclub.org

National Society of Black Engineers
nsbe.org

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

CAREER RESOURCES

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

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

DREXEL DEPARTMENTS

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