ARCHITECTURAL ENGINEERING

The Architectural Engineering Major Program prepares graduates for professional work in the analysis, design, construction, and operation of residential, commercial, institutional, and industrial buildings. The program also helps students develop familiarity with all aspects of safe and economical construction. Students study the principles of structural support and external cladding, building environmental systems, and project management and develop depth in at least one of these areas.

The program integrates building disciplines including coordination with architects, construction managers, as well as civil, mechanical, and electrical engineers. Students use computer-aided design tools to understand system interactions, perform cost analysis, and present their work. The first two years of the curriculum cover fundamentals necessary for all engineers. The pre-junior and junior years emphasize building systems and the principles governing their performance. In addition to the core engineering and science, students learn architectural approaches through studio design. Seniors focus on either structural or building environmental systems design, as well as a full-year realistic design project. The academic program is complemented by exposure to professional practice in the co-op experience.

Employers who have hired Drexel students include:
Ammann & Whitney AstraZeneca CVM Engineers EwingCole Grant Thornton, CPA Klein & Hoffman Kling McBride Engineering Solutions Pennoni Associates Philadelphia Housing Authority Philadelphia Streets Department Toll Brothers

Students wanting specific information about the major are encouraged to stop by the department office at room 251 in Curtis Hall, call the department at 215-895-2341, or visit their website at www.drexel.edu/cae.

JOB TITLES

Architectural Engineering Intern
CAD Draftsperson
Operational Engineer
Special Projects Manager
Structural Designer
Structural Engineer
Transportation Engineering Specialist
Construction Project Engineer
Engineering Technician
Field Inspector

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

Architectural Engineering Institute of ASCE
www.content.aeinstitute.org/intro.html

Engineering Central
www.engcen.com

Engineering jobs
www.engineerjobs.com/links.html

National Council of Examiners for Engineering and Surveying
www.ncees.org

National Society of Black Engineers
www.nsbe.org

Society of Women Engineers
www.swe.org

Engineers Club of Greater Philadelphia
contact@engrclub.org

Career Resources

Steinbright 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