

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.

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 drexel.edu/cae.

Employers who have hired Drexel students include:
Children's Hospital of Philadelphia Drexel University Elton & Thompson, P.C. EwingCole IPS - Integrated Project Services Jacobs – Global Buildings Design Pennoni Associates Philadelphia Capital Program Office Philadelphia Housing Authority Philadelphia Streets Department Toll Brothers

JOB TITLES

Architectural Engineering Co-op
CAD Draftsperson

Operational Engineer
Special Projects Manager
Structural Designer

Structural Engineer
Transportation Engineering
Specialist
Construction Project Engineer
Engineering Technician
Field Inspector

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

Architectural Engineering Institute of ASCE
content.aeoinstitute.org/intro.html

Engineering Central
engcen.com

Engineering jobs
engineerjobs.com/links.html

National Council of Examiners for Engineering and Surveying
ncees.org

National Society of Black Engineers
nsbe.org

Society of Women Engineers
swe.org

Engineers Club of Greater Philadelphia
contact@engrclub.org

CAREER RESOURCES

**Steinbright Center
Pre-Professional Advising (Pre-Law, Pre-Health)**
drexel.edu/scdc/career-services

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

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

DREXEL DEPARTMENTS

Civil, Architectural & Environmental Engineering Department
3141 Chestnut Street
Curtis Hall, Room 251
215.895.2341
cae.drexel.edu

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

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STEINBRIGHT CAREER DEVELOPMENT CENTER