

CO-OP & CAREER GUIDES

ARCHITECTURAL ENGINEERING

The Architectural Engineering 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 developing 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 (CAD) 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 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 interested in specific information about the major are encouraged to stop by the department office in Curtis Hall, Room 251, call 215.895.2341, or visit drexel.edu/cae.

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

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 drexel.edu/scdc/salaryguide for our most recent co-op salary information.

PROFESSIONAL ASSOCIATIONS & INTERNET RESOURCES

American Association of Engineering Societies
aaes.org

Architectural Engineering Institute of ASCE
asce.org/architectural-engineering/architectural-engineering

Engineering Central
engcen.com

Engineering Jobs
engineerjobs.com

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 Philadelphia
engrclub.org

CAREER RESOURCES

**Steinbright Career Development Center:
Pre-Law Advising, Pre-Health Advising, Career Counseling, Career Assessments**
drexel.edu/scdc/career-services

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

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

DREXEL DEPARTMENTS

Department of Architectural Engineering
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3141 Chestnut Street
Philadelphia, PA 19104-2875
215.895.2341
drexel.edu/cae

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

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STEINBRIGHT CAREER DEVELOPMENT CENTER

October 2016