What to do with a degree in…

ARCHITECTURAL ENGINEERING

A degree in Engineering, Architecture or Technology provides the knowledge and tools for problem solving. Be aware that the actual work that engineers perform will vary depending on the company and industry in which they work. Some engineers work in a research or development capacity, while others serve in management roles. The work environment also varies, including outdoor work, work in an office setting, or a combination.

Architectural Engineers have the same interests as civil and mechanical but focus on the building industry. ArchE's go through three design studios pre-professional school, gaining important insight into the design process of an architect so that they may later understand the design quality of what they are helping structurally engineer.

SKILLS

The Architectural Engineering program prepares graduates with an understanding of the architecture and construction industry. Graduates can grasp the ability to engineer building systems through the use of computer aided design.

Throughout the program, students develop a special ability to collaborate on interdisciplinary design teams which allows them to advance within their profession and eventually attain their professional licensure (PE).

CAREER PATHS

CONSTRUCTION MANAGER
DIAGNOSTICS ENGINEER
ENGINEERING INTERN
ENGINEERING TECHNICIAN
ESTIMATOR
INTERN ARCHITECT
FIELD ENGINEER
PROJECT ENGINEER
STRUCTURAL CONSULTANT

STRUCTURAL DESIGNER
STRUCTURAL ENGINEER

WHO HIRES ARCHITECTURAL ENGINEERING MAJORS

Austin Commercial
BSE Structural Engineers
Cyntergy AEC
Dewberry
FSB
HKS
JEI Structural Engineering
KFC Engineering

Parkhill, Smith & Cooper
Snowden Engineering
Stantec Architecture
The Turner Construction Co.
Wallace Engineering
Walter P Moore
WJE Seattle

HIRE OSU GRADS

TIPS FOR SUCCESS IN ARCHITECTURAL ENGINEERING

- Time management. Architectural Engineering is different from all other engineering because of the design studio time commitment. Learn how and when you work most efficiently and use that to your advantage.
- Talk to your advisors. The School of Architecture has a great advising team and they are always willing to meet with you and answer any questions.
- Join Oklahoma State's AEI Student Chapter. You can get to know people that have similar interests as you!
- Stay on top of all your classes. Although studio counts for 6 credit\ hours of your GPA, your engineering science classes also need attention!

GET INVOLVED ON CAMPUS

American Institute of Architecture Students (AIAS)
Architectural Engineering Institute (AEI)
Chi Epsilon
Construction Specifications Institute (CSI)

Additional Resources About Architectural Engineering Careers:
arch-ceat.okstate.edu
aias.ceat.okstate.edu
csi.ceat.okstate.edu

MARKETABLE SKILLS OF ARCHITECTURAL ENGINEERING GRADUATES

- In depth structural design knowledge
- Knowledge of building systems including:
  o Electrical System
  o Heating Ventilation System
  o Air Conditioning System
  o Fire Protection System
  o Plumbing System
  o Structural System
  o Skin Materiality

CEAT
Career Services

For More Information About
Architectural Engineering at OSU:

Prospective Student Services:
(405) 744-5276

Career Services:
(405) 744-3858

HireOSUGrads.com