

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.

## 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.

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.

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



## STARTING AVERAGE SALARIES

(DATA GATHERED FROM  
OSU CEAT GRADUATES)

2022 - \$ 57,600

2023 - \$69,666

2024 - \$71,538

## **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](http://arch-ceat.okstate.edu)

[aias.ceat.okstate.edu](http://aias.ceat.okstate.edu)

[csi.ceat.okstate.edu](http://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



For More Information About  
Architectural Engineering at OSU:

Prospective Student Services:  
(405) 744-5279

Career Services:  
(405) 744-3858

[HireOSUGrads.com](http://HireOSUGrads.com)