



Engineering & Architecture

Students with an architecture focus will be trained to design and construct models of residential or commercial structures and landscape design using 3D architecture design software. Career options include architect, building surveyor, landscape architect, structural engineer, or production designer.



◆ Course Sequence

1. Engineering Design
2. Engineering Principles
3. Architecture Design-Site & Foundation
4. Environmental Sustainability

◆ College Credit Opportunities

- Energy Systems Management
- Engineering Principles

College Credit Plus general education and other dual credit courses are also available.

◆ Industry Credentials

- Autodesk Fusion Certified User
- Autodesk Inventor Certified User
- FAA Part 107 Remote Pilot
- OSHA-10

Pathway Promise: Students in this pathway are eligible to earn a FAA Part 107 Drone License and the Autodesk Inventor/Fusion Certification which makes them eligible to enter the workforce as an entry-level drafter.



**College & Career
Academies**

AKRON PUBLIC SCHOOLS

FIRESTONE

Engineering & Architecture

Entry-Level Careers

- Architectural Illustrator
- Architectural Project Assistant
- CAD Operator
- Construction & Building Inspector
- Drone Pilot
- Electrical Drafter
- Interior Designer Assistant
- Landscape Architect Intern
- Mechanical Drafter
- Model Maker
- Product Specifier
- Revit Structural Drafter
- Soil Testing Lab Technician

Technical Careers

(Advanced certification, Apprenticeship, or Associates Degree)

- 3D Animator
- Architectural Draftsperson
- CAD Technician
- Construction Estimator
- Construction Salesperson
- Construction Technologist
- Industrial Designer
- Interior Technical Designer
- Project Management
- Project Scheduler
- Revit Technician
- Surveyor Technician

Professional Careers

(Bachelor's Degree or higher education)

- Architect
- Architectural Engineer
- Civil Engineer
- Environmental Designer
- Estimator
- Historic Preservationist
- Interior Designer
- Landscape Architect
- Specification Writer
- Structural Engineer
- Surveyor
- Urban Planner