



Engineering & Aviation

Students with an aeronautical focus will study the evolution of flight, navigation and control, propulsion, space travel and orbital mechanics. Potential careers include drone pilot operator, aircraft designer, data processor, inspector/compliance officer, mechanical engineer, electrical engineer or payload specialist.



◆ Course Sequence

1. Engineering Design
2. Engineering Principles
3. Digital Electronics
4. Aviation

◆ College Credit Opportunities

- Aviation
- Digital Electronics
- Engineering Principles

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

◆ Industry Credentials

- Autodesk Inventor Certified User
- Certified Additive Manufacturing (CAM-F)
- Fusion Certified User
- NCCER Core
- Part 107 FAA

Pathway Promise: Students in this pathway are eligible to earn a FAA Part 107 Drone License.



**College & Career
Academies**

AKRON PUBLIC SCHOOLS

FIRESTONE

Engineering & Aviation

Entry-Level Careers

- CNC Setup Technician
- Drone Pilot
- Fabricator
- Inventory Control Specialist
- Machinist
- Machinist Apprentice
- Maintenance Technician
- Materials Handler
- Quality Assistant
- Stock Cutter
- Stock Handler
- Tool & Die Repair Technician
- Tool Maker Apprentice

Technical Careers

(Advanced certification, Apprenticeship, or Associates Degree)

- Aerospace Machinist
- Automation Technician
- Calibration Technician
- CNC Programmer
- Engineering Technician
- Field Service Engineer
- Industrial Machine Mechanic
- Laser Cutter Technician
- Machinist/Welder
- Maintenance Manager
- Robotics Programmer

Professional Careers

(Bachelor's Degree or higher education)

- Assembly Supervisor
- CNC Manufacturing Engineer
- CNC Prototype Engineer
- Director of Operations
- Electrical Engineer
- Heat Treatment Specialist
- Manufacturing Engineer
- Mechanical Engineer
- Part Design Engineer
- Pilot
- Plant Manager
- Production Engineer
- Safety Engineer