



Energy & Environmental Protection

Protecting our planet is at the forefront of world concerns so students in this pathway will be well-placed for future careers in sustainability, energy management and environmental protection and conservation. Studies will include principles of energy, energy efficiency, resource management, and controlling pollution in soil, air and water. Students will also apply communications, business principles and leadership skills.



◆ Course Sequence

1. Natural Resources
2. Energy Systems Management
3. Environmental Systems Management
4. Parks & Recreation Management

◆ College Credit Opportunities

- Energy Systems Management
- College Credit Plus general education and other dual credit courses are also available.

◆ Industry Credentials

- Ducks Unlimited Ecology Conservation & Management
- BASF Plant Science

Pathway Promise: Scholars that successfully complete this pathway will be prepared with industry credentials, college credits, and community experiences that support their future aspirations.



**College & Career
Academies**

AKRON PUBLIC SCHOOLS

GARFIELD

Energy & Environmental Protection

Entry-Level Careers

- Administrative Assistant
- Distribution Lineworker Apprentice
- Environmental Technician
- Green Energy Sales Agent
- Hydro Mechanic Apprentice
- Maintenance Technician
- Oilfield Roustabout
- Power Plant Operator Apprentice
- Renewable Energy Manufacturing Production Operator
- Site Surveyor
- Solar Panel Installer
- Stationary Engineer
- Water Tester

Technical Careers

(Advanced certification, Apprenticeship, or Associates Degree)

- Customer Experience Associate
- Electrical Controls Technician
- Electronic Circuit Design Technician
- Energy Analyst
- Environmental Health & Safety Specialist
- Environmental Site Assessor
- Green Energy Installer
- Hydroelectric Plant Junior Operator
- Naturalist
- Nuclear Technician
- Solar Electrician
- Transmission Line Supervisor
- Water Treatment Plant Operator
- Wind Energy Field Specialist

Professional Careers

(Bachelor's Degree or higher education)

- Agricultural Technician
- Director of Operations
- Environmental Engineer
- Genetic Engineer
- Geologist/Hydrogeologist
- Geoscientist
- Load Forecasting Supervisor
- Mechanical Engineer
- Natural Resources Manager
- Petroleum Engineer
- Power Electronics Design Engineer
- Power Network Analyst
- Project Manager, Power & Energy
- Senior Power Trader