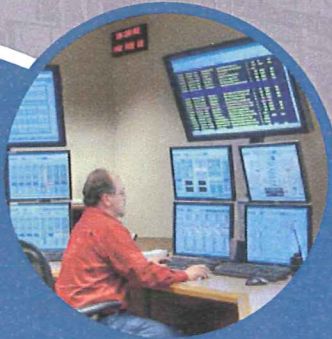


# GENERATING POSSIBILITIES

## Power Plant Technology



ENTER A  
CAREER FIELD THAT IS:

## HIGH DEMAND | HIGH WAGE

- Average salary \$65,000 • Prepare for entry-level positions
- Earn industry approved credentials • Associate Degree in less than 2 years

### TRAINING SITES

EMPORIA | TOPEKA | KANSAS CITY | **ONLINE**

To learn more visit [fhc.edu](http://fhc.edu).

**FLINT HILLS  
TECHNICAL  
COLLEGE**

 **Kansas City Kansas  
Community College**

 **WASHBURN  
TECH**

### INDUSTRY PARTNERS





# GENERATING POSSIBILITIES

## Power Plant Technology



## CAREER OPPORTUNITIES IN ENERGY

The electrical power generating industry is comprised of several different types of electricity-producing power plants including: Coal, Nuclear, Gas, Hydroelectric, Petroleum, Geothermal, Solar, Waste and Wind.

The Energy Industry provides a service that impacts the daily lives of every individual and business in the United States. The retirements of the aging workforce, in combination with an increased demand for electricity, create a tremendous opportunity for students starting a career in energy. In a recent survey of industry experts, over 600 Operator positions will be available in the next 10 years in the state of Kansas alone. Power plants are looking for individuals with understanding of the generation process to fill varied positions that are both technically challenging and rewarding. Energy companies across Kansas have partnered with the Power Plant Program to make sure students are able to spend time in the plants as part of their FHTC experience. Industry experts across the United States have identified FHTC as a "best practice" program in preparing students for this challenging, interesting and rewarding career.

## TRAINING OPPORTUNITIES

Students in the Kansas City area can now take courses that prepare them for entry-level positions at power plants, including Operations, Mechanical and Electrical maintenance, and Instrumentation and Control. These courses are offered at the KCKCC Technical Education Center. The highlight of the Associate degree is a four week job shadow/internship at a power plant.

## POWER PLANT TECHNOLOGY COURSES:

- Power Plant Equipment Fundamentals I & II
- Basic Mechanics
- Introduction to Scaffolding
- Basic Electricity
- Basic Print Reading
- Introduction to Power Plant Systems
- Electrical Equipment
- Basic Computers
- Power Plant Math
- Power Plant Physics
- Fuel/Water Chemistry Control
- Power Plant Safety & Work Performance
- OSHA-10 Certification
- Energy Industrial Fundamentals
- Properties of Materials
- Heat Transfer & Fluid Flow
- Introduction to Atomic & Nuclear Physics
- Rigging and Lift Equipment
- Introduction to Wind & Alternative Energy
- Leadership and Teamwork I
- Management Principles in Technology
- Current Issues in Technology (Elective)
- Professional Development
- Internship
- FA/Heartsaver CPR

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