GET INTO ENERGY CAREER PATHWAYS

Power Plant

Technician



HIGH SCHOOL DIPLOMA OR GED

EARN CREDENTIALS:

National Career Readiness Certificate
Energy Employability Skills Certificate
Energy Industry Fundamentals Certificate

Putting STEM* to Work (Includes generation of all types except for nuclear)

LEARN MORE / EARN MORE

Pass Pre-Employment Tests and Become a **HELPER**

EDUCATIONAL OPPORTUNITIES FOR ADVANCEMENT

Apprenticeship (for College Credit)**

Long-Term On-the-Job Training

Long-Term On-the-Job Training

Experience in Position

Associate's Degree**

Experience in Position

Bachelor's Degree

dit)** 1-4 YEARS**

3-6 YEARS**

6-8 YEARS**

8+ YEARS**

TECHNICAL OPERATOR (MAINTENANCE, ELECTRICAL) (\$27,000)

EXPERIENCED ELECTRICAL/ MAINTENANCE TECHNICIAN (\$62,000)

SENIOR ELECTRICIAN/ MAINTENANCE TECHNICIAN (\$75,000)

GENERATION SUPERVISOR (\$85,000)

* Science, Technology, Engineering, and Math ** Dependent on company requirements

Long-Term On-the-Job Training





Note: Most utilities use a pre-employment test—to pass you will need math, communications, problem solving, and mechanical reasoning skills.

 STARTING OFF AS AN ENTRY-LEVEL TECHNICIAN: Provide assistance to plant operators by reading gauges and checking equipment Make work area safe 	 Teamwork Able to lift 75 lbs Listening and following directions Be comfortable with heights Be able to work in noisy conditions Math skills including algebra, trig and geometry Come to work on time and prepared
 TRAINING COMPONENTS: Alternating Current / Direct Current Valves Pumps Engines/turbines Plant processes and systems (water, electric, etc.) Programmable logic controls 	 Physical ability to climb stairs and ladders, operate stiff valves manually, lift weights, control pneumatic or hydraulic wrenches Apply knowledge obtained during training in the work environment Work with various types of test equipment including multi-meters Work with various types of tools Perform soldering
 SENIOR TECHNICIAN: Inspect equipment including motors and belts, fluid levels and filters Take apart machines, then repair and replace parts using hand or power tools Use large equipment such as hoists and cranes Use repair manuals to determine problems and then fix them Do preventive maintenance checkups on machines, mechanical equipment and on buildings 	 Use information to diagnose and solve problems Be able to manage multiple tasks at one time Ability to understand basic mechanical principles (e.g., gear trains, centrifugal force, heat flow) Ability to comprehend entire systems and how they function Ability to foresee system implications of malfunctions or of own actions Ability to anticipate required future conditions in numerous interacting systems
 GENERATION SUPERVISOR: Determine schedules and work activities of team members Review team member performance and provide feedback Inspect records and log book entries to determine plant efficiency Prepare and manage budgets Report to management Deal with potentially stressful situations 	 People management Communications skills Financial management Computer skills for report preparation Assign priority or sequence to the steps for completing a job Coordinate several competing activities for efficient use of time and material Adapt work procedures or priorities in response to changing or unforeseen requirements or conditions



ENERGY INDUSTRY COMPETENCY MODEL

Tier 6-8 — Occupation Specific

Tier 5 — Industry-Specific Technical

Tier 2 — Academic Competencies

Tier 1 — Personal Effectiveness

Energy industry careers offer:

- Excellent salaries
- Opportunities for advancement
- Job growth & stability
- Great benefits

Community service

Where can I find training?

Go to the Get Into Energy web site at www.getintoenergy.com/careers.php and check "Training Programs and Work-Based Training."

Where can I find a job?

Go to the Get Into Energy web site at www.getintoenergy.com/careers.php and check "Featured Employers."