

(In a related technical field)

3-6 YEARS*

(\$50,000)

On the Job Experience

Nuclear Mechanic / Electrician (\$77,000)

Bachelor's Degree*

On the Job Experience

6-8+ YEARS*

SUPERVISOR

(\$85,000)

STEM = Science, Technology, Engineering, and Math

¹ GED = General Education Development

² NMAP = Nuclear Mechanic Apprenticeship Program

³ FFD = Fitness For Duty

* Dependent on company requirements





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

Starting of as a Nuclear Technician and moving into a Maintenance Apprentice Position

- Learn and grow with on-the-job training and educational curriculum
- · Assist to departments maintaining plant facilities
- Install and maintain equipment based on manufacturer's specifications
- Read instrumentation schematics to diagnose circuit trouble
- Teamwork
- · Able to lift heavy equipment
- Listen and follow 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
- Physical ability to climb stairs and ladders, operate stiff valves manually, lift weights, and 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

Nuclear Mechanic or Electrician

- 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

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



