

# **Power Plant Operating Engineer Second Class**

## **Qualifications**

Minimum age - 20

Education - High School Diploma, GED or Equivalent

Experience - Three years

Examination - Written (Oral or Practical when necessary)

Minimum time in previous grade – One Year

Maximum Prime Mover Horsepower (Unsupervised) - 2500

Maximum Boiler Size (Unsupervised) HP - 600 BHP / LP Unlimited BHP

Maximum Refrigeration or Air Conditioning (Unsupervised) – 1000 tons

## **Curriculum at the Minimum**

- Power Plant Safety
- Power Plant Intermediate Steam Generator Construction and Types
- Power Plant Intermediate Steam Generator Water Chemistry
- Power Plant Intermediate Condensate and Feedwater Treatment
- Power Plant Intermediate Steam Generator Combustion Air and Flue Gas System and Equipment
- Power Plant Intermediate Steam Generator Fuel System and Equipment
- Power Plant Intermediate Water-Steam Heating System
- Power Plant Intermediate Steam Generator Fittings and Accessories
- Power Plant Intermediate Instrumentation
- Power Plant Compressed Air System and Equipment
- Power Plant Intermediate Combustion and Combustion Equipment
- Power Plant Intermediate Steam System to Steam Accessories
- Power Plant Intermediate Electricity
- Power Plant Intermediate Math-Science
- Power Plant Intermediate Turbine Construction and Operation
- Power Plant Intermediate Condenser and Circulating Water System and Equipment
- Power Plant Intermediate Extraction Steam Heaters Systems
- Power Plant Intermediate Air Conditioning / Refrigeration
- Power Plant Intermediate Environmental Equipment
- Power Plant Combustion Byproduct Disposal and Removal Systems and Equipment
- Power Plant Backflow Prevention
- Power Plant Intermediate Personnel Management
- Power Plant Intermediate Computer Management
- Power Plant Intermediate Preventative Maintenance