

Power Plant Operating Engineer Third Class

Qualifications

Minimum age - 19

Education - High School Diploma, GED or equivalent. Completion of the GPiLearn Online Training prescribed courses (See links page for course description)

Experience - Two years or One year time in grade as a Facility Operating Engineer 2nd class may be used for the 2 years experience for Power Plant Operating Engineer 3rd class

Examination - Written (Oral or Practical when necessary)

Maximum Prime Mover Horsepower (Unsupervised) - 1500

Maximum Boiler Size (Unsupervised) HP - 400 BHP / LP - Unlimited BHP

Maximum Refrigeration or Air Conditioning (Unsupervised) - 600 ton

Curriculum at the Minimum:

- Power Plant Safety
- Power Plant Basic Steam Generator Construction
- Types of Steam Generators
- Power Plant Basic Steam Generator Water Chemistry
- Power Plant Basic Condensate and Feedwater Treatment and Equipment
- Power Plant Basic Steam Generator Combustion Air and Flue Gas System and Equipment
- Power Plant Basic Steam Generator Fuel System and Equipment Power Plant Basic Water-Steam Heating System
- Power Plant Basic Steam Generator Fittings and Accessories and Equipment
- Power Plant Basic Instrumentation
- Power Plant Compressed Air System
- Power Plant Basic Combustion and Combustion Equipment and Equipment
- Power Plant Basic Steam System to Steam Accessories
- Power Plant Basic Electricity
- Power Plant Basic Math-Science
- Power Plant Basic Steam Turbine Construction
- Power Plant Basic Condenser and Circulating Water System and Equipment
- Power Plant Basic Air Conditioning
- Power Plant Basic Environmental Equipment