

NBTAP Secondary Pre-Apprenticeship



Over the course of the NBTAP Employment experience, student apprentices should observe, and perform, some of the following trade skills under the supervision of a qualified journeyman.

IMPORTANT NOTE: Students, as part of your NBTAP summer experience, you will be required to maintain a Secondary Pre-Apprenticeship Logbook. **Please be sure to obtain a copy of your NBTAP Logbook from your School Champion or the Pre-Apprenticeship Coordinator PRIOR to starting your employment placement.**



Power System Technician: Trade Related Skills

- Communicates with others
- Performs switching for work permits
- Applies safety grounding and bonding procedures
- Uses and inspects fall arrest equipment, rubber gloves, and hot sticks
- Performs inspection and maintenance on battery bank and battery charger
- Assists with battery bank discharge tests
- Performs resistance tests on battery inter-cell connections
- Demonstrates procedures for bypassing (cut outs and automatic bypass switches)
- Verifies and adjusts voltage, bandwidth, and time delay settings
- Overhauls voltage regulator
- Isolates air system sections for maintenance/repair work
- Performs routine inspection of air system
- Performs overall maintenance on compressors
- Locates and repairs air leaks
- Repairs or replaces piping valves
- Demonstrates procedures for oil sampling with syringe bottle
- Demonstrates procedures for reporting and cleaning oil spills
- Processes oil with portable filter unit