

# 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.**



## Transport Refrigeration Service Technician: Trade Related Skills

- Communicates and works safely in work environment in transport refrigeration field
- Uses and maintains transport refrigeration and shop tools and equipment
- Uses fasteners, refrigeration tubing and, fittings in transport refrigeration
- Selects and use manuals in transport refrigeration service
- Joins metals using silver soldering and silver brazing techniques
- Understands and interprets pictorial writing schematics and wiring diagrams
- Interprets classification of refrigerants and proper handling of refrigerant oil
- Troubleshoot and diagnose transport refrigeration system problems
- Troubleshoot multi-temperature refrigeration systems
- Troubleshoot and repair container refrigeration systems
- Start-up and commission container units
- Performs preventative maintenance and pre-trip for contains
- Performs preventative and pre-trips for mobile refrigeration units
- Add and remove refrigerant and oil from compressors
- Troubleshoot, remove, and replace transport refrigeration components and control devices
- Trouble shoot, remove, and install compressors in transport refrigeration units
- Interprets fault codes and diagnose microcomputer codes/controls
- Operates microcomputer and solid-state controllers
- Services and maintain various types of batteries

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**CONTACT US**

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