

Petroleum Installer Technician A Guide to Course Content

Petroleum Installer Technicians construct, install and service petroleum storage facilities and decommissions, remediates and removes such facilities.

Training Requirements: To graduate from each level of the apprenticeship program, an apprentice must successfully complete the required technical training and compile enough on-the-job experience to total at least 1800 hours each year. Total trade time required is 5400 hours and at least 3 years in the trade.

There are three levels of technical training delivered by *Home Study distance learning*:

Level One: 80 hours

Level Two: 80 hours

Level Three: 80 hours

The information contained in this pamphlet serves as a guide for employers and apprentices. The pamphlet briefly summarizes the training delivered at each level of apprenticeship training. An apprentice spends approximately 15% of the apprenticeship term learning the technical and theoretical aspects of the trade. The hours and percentages of technical and practical training may vary according to class needs and progress.

The content of the technical training components is subject to change without notice.

Level One

Project Preparation

- equipment, materials, and manpower requirements
- work site preparation

Above Ground Tank Installation

- liner material and tank installation
- concrete pads, foundations, pile installation
- installation of access, inspection, and related equipment
- safety and directional signage

Underground Tank Installation

- tank location
- underground tank installation
- oil/water separator and collection system installation
- island and vent rack installation
- backfill and tank slab placing
- pump/dispenser installation
- painting and identifying system

Piping Installation

- pipe trench preparation
- catch basin piping installation
- tank fitting installation
- piping to pump/dispenser installation
- vent rack piping installation
- above ground piping installation

Decommissioning

- underground valve, pump and inventory removal
- tank excavation
- underground excavation testing
- above ground tanks
- above ground tank valve, piping and inventory removal
- above ground tank removal
- tank disposal

Level Two

Project Preparation

- equipment, materials, and manpower requirements
- work site preparation

Above Ground Tank Installation

- grade preparation for dyke installation
- liner material installation
- tank installation
- concrete pad, foundation, pile installation
- access, inspection, and related equipment installation
- safety and directional signage installation

Underground Tank Installation

- tank location
- underground tank installation
- oil/water separator and collection system installation
- island installation
- vent rack installation
- tank slab placement
- pump/dispenser installation
- system testing

Piping Installation

- pipe trench preparation
- catch basin piping
- tank fittings
- piping to pump/dispenser installation
- vent rack piping installation
- above ground piping installation
- piping system (double wall, primary, and secondary) testing

Decommissioning

- underground valve, pump and inventory removal
- tank removal
- underground excavation testing
- above ground tank valve, piping and inventory removal
- above ground tank removal

Level Three

Project Preparation

- equipment, materials, and manpower requirements
- work site preparation

Above Ground Tank Installation

- dyke installation grade preparation
- liner material installation
- tank installation
- concrete pad, foundation, pile installation
- access, inspection, and related equipment
- installation and testing of monitoring equipment

Underground Tank Installation

- tank location
- underground tank installation
- oil/water separator and collection system installation
- islands installation
- vent rack installation
- backfilling and placing tank slab
- pump/dispenser installation
- system testing
- painting and identifying system

Piping Installation

- pipe trench preparation
- catch basin piping installation
- tank fitting installation
- piping to pump/dispenser installation
- vent rack piping installation
- above ground piping installation
- piping systems testing (double wall, primary, and secondary)

Decommissioning

- underground valve, pump and inventory removal
- tank excavation
- underground excavation testing
- above ground tank preparation
- above ground tank removal
- tank disposal

Closure

- closing site
- site decommissioning