
APPRENTICESHIP PROGRAM

The Apprenticeship **Core Skills Training Program** provides new apprentices with 200 hours of formal training, including:

- ◆ 40 hours of Generic Trade Training
- ◆ 80 hours of Health and Safety Training
- ◆ 80 hours of Trade-Specific Core Skills

The Health and Safety Training helps apprentices value safety as an essential element in their workplace environment. The Generic Trade Training and Trade-Specific Core Skills programs give apprentices the skills and knowledge to make an immediate contribution upon arrival at their assigned plant.

Generic Skills Training involves classroom lecture and discussion as well as hands-on application of procedures introduced in designated lab areas. Topics covered during the session include, but are not limited to:

- ◆ History of Apprenticeship
- ◆ Responsibilities of an Apprentice
- ◆ English & Metric Measurement
- ◆ Combination Squares
- ◆ Basic Measurement & Layout Tool
- ◆ Precision Measurement Instruments
- ◆ Fasteners
- ◆ Basic Hand Tools
- ◆ Shop Machinery
- ◆ Drilling, Tapping, & Reaming Holes
- ◆ Applied Drawing Basics
- ◆ Cables, Hoists, & Chains
- ◆ Physical Properties of Metal
- ◆ Hands-On Projects

Core Skills Training provides classroom lecture, discussions, and extensive hands-on projects designed and taught by journeymen. Areas covered during this session by trade include, but are not limited to:

- ◆ *Die Makers, Machine Repair, Tool Makers & Die Makers, and Jig and Fixture Tool Makers* learn to operate mills, lathes, and surface grinders.
- ◆ *Electricians* work on basic electrical projects, conduit bending, ladder diagrams, PLCs, transformers, Ohm's Law, codes, and other electrical fundamentals.
- ◆ *Plumber/Pipefitters* receive training on measuring, cutting, reaming, and threading pipe. They will also bend and solder copper pipe. Apprentices receive information on the National Plumbing Code.
- ◆ *Millwrights* learn to perform basic rigging, conveyor installation and repair, and how to move heavy equipment.