



MAINTENANCE FUNDAMENTALS

Condensed Course Outline

APPLIED MATH & MEASUREMENTS

- ☐ Metric conversions
- ☐ Fractions
- ☐ Linear measurement
- ☐ Measuring devices

INDUSTRIAL DRAWINGS

- ☐ Blueprint reading
- ☐ Types of drawings
- ☐ Sketching basics

METALS

- ☐ Metal types
- ☐ Material properties
- ☐ Steel grades
- ☐ Heat treatment

FASTENERS

- ☐ Bolts & head markings
- ☐ Thread types
- ☐ Nuts, washers & locking devices
- ☐ Torque & tension
- ☐ Thread repair
- ☐ Screws & anchors

HAND TOOLS

- ☐ Wrenches
- ☐ Screwdrivers
- ☐ Pipe tools
- ☐ Hammers & punches
- ☐ Saws & files
- ☐ Taps, dies & reamers
- ☐ Pullers & shaft protectors

HANDHELD POWER TOOLS

- ☐ Electric & pneumatic drills
- ☐ Power wrenches
- ☐ Saws
- ☐ Grinders
- ☐ Air tool lubrication
- ☐ Portable Grinders and Angle Grinders

STATIONARY SHOP TOOLS

- ☐ Drill presses
- ☐ Band saws
- ☐ Twist drills
- ☐ Tool sharpening
- ☐ General Drilling Operations
- ☐ Sharpening Tools and Accessories

LUBRICATION

- ☐ Oils & greases
- ☐ Bearing lubrication
- ☐ Lubrication equipment
- ☐ Contamination control
- ☐ Lubrication procedures
- ☐ Food-grade lubricants



Multi-Skill Training
SERVICES

THE INDUSTRIAL TRAINING PROFESSIONALS