

# MaintTest ®

## Maintenance Skill Assessment Tests Test Area Capabilities

### Electrical (Industrial) Question Topic Areas

- DC Circuit Theory
- AC Circuit Theory
- Multimeter Use and Application
- Motor Controllers
- Reversing Motor Controller
- Complex Hardwire Control Print Reading and Troubleshooting
- Electrical Safety
- Conduit Bending
- Transformer Theory and Installation
- Electrical Protection Principles
- Electrical Symbols
- Wire Sizing and Wire Pulling in Conduit
- Grounding and Grounding Systems
- AC Motor Troubleshooting and Repair
- DC Motor Troubleshooting and Repair
- AC Drive Theory
- PLC Fundamentals
- Industrial Lighting
- Industrial Power Distribution

### Mechanical (Industrial) Question Topic Areas

- Rolling Element Bearings
- Linear Bearings
- Industrial Hardware and Fasteners
- Lubrication and Oil Analysis
- Hydraulics
- Pneumatics
- Welding
- Basic Metal Working (Drilling and Tapping)
- Basic Hand Tools
- Machine Shop Equipment and Practices (Lathe and Milling Machine)
- V-Belt Drive Systems
- Chain Drive Systems
- Timing Belt Drive Systems
- Gears and Gearbox Drive Systems
- Portable Power Tools
- Industrial Measurement and Measurement Tools
- Couplings
- Gaskets, Packing, and Seals
- Flat Belt Conveyor Systems
- Pumps and Pump Repair
- Piping and Piping Repair
- Valves
- Shaft and Coupling Alignment
- Vibration Analysis and Vibration Causes
- Mobile Lift Operation and Safety
- Blueprint Reading
- Air Compressors
- Clutches and Brakes

### Building Maintenance Question Topic Areas

- Residential Electrical
- Residential Wiring
- Plumbing
- Drywall Installation and Repair
- Ceramic Tile Repair
- Vinyl Flooring Repair and Maintenance
- Water Heater Troubleshooting, Repair, and Replacement
- Heating, Ventilation and Air Conditioning Repair and Troubleshooting
- Cabinetry Repair
- Basic Carpentry
- Painting and Paint Types
- Lock Repair and Replacement
- Sink Replacement
- Wood Flooring Repair