

OJT CORE COMPETENCIES

Electrical and Electronic Equipment Assembly Technician

TERM OF APPRENTICESHIP

The term of the apprenticeship is 2 years.

APPRENTICESHIP APPROACH

Time-based

Competency-based

Hybrid

Apprenticeships may be time-based, requiring a set number of OJT (on-the-job training) and RTI (related technical instruction) hours; competency-based, allowing completion once all skills are mastered; or hybrid, blending both time and competency requirements.

SCHEDULE AND CHECKLIST

Essential Job Categories	Competencies
Understands Safety Procedures	<ul style="list-style-type: none">• Adheres to personal grooming requirements in the facility• Uses personal protective equipment• Follows fire safety procedures• Works around energy sources and performs lockout/tag-out procedures• Handles and stores hazardous materials as assigned• Demonstrates both emergency and standard shutdown of all required equipment• Uses and locates eye wash sinks and first-aid kits• Demonstrates, reports, and responds promptly, safely, and appropriately to emergency or hazard situations and troubleshoots any issues that may arise• Employer-specific task
Understands Electrical Components	<ul style="list-style-type: none">• Understands wiring, casings, rivets, bolts, support structures, etc.• Understands other components such as energy storage (battery), chargers, power control units, reducers, inverters, converters,• Employer-specific tasks
Understands Electrical Blueprints or Schematics	<ul style="list-style-type: none">• Understands how to read and interpret schematic drawings, diagrams, blueprints, specifications, work orders or reports to determine material requirements or assembly instructions• Align parts or work pieces to ensure proper assembly.• Position, align, or adjust workpieces or electrical parts to facilitate wiring or assembly.• Employer-specific task
Interprets Technical Information	<ul style="list-style-type: none">• Measure and adjust voltages to specified values to determine operational accuracy of instruments.• Understands company policies and procedures• Employer-specific task

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SCHEDULE AND CHECKLIST

Essential Job Categories	Competencies
Understands Quality Assurance	<ul style="list-style-type: none">• Able to use mechanical tools to accurately measure necessary specifications• Record operational and production data and complete required documentation accurately• Inspect and test components, assemblies, or circuits for non-conformances• Able to use testing equipment to verify specifications• Employer-specific task
Demonstrates Knowledge of Routine Equipment Maintenance	<ul style="list-style-type: none">• Demonstrates understanding of preventative maintenance requirements• Employer-specific task
Employer Specific Competency	<ul style="list-style-type: none">• Employer-specific tasks