

OJT CORE COMPETENCIES

Electrical and Electronic Equipment Assembler

TERM OF APPRENTICESHIP

The term of the apprenticeship is 1 year.

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

Competencies	Approximate Hours
Read and interpret schematic drawings, diagrams, blueprints, specifications, work orders, or reports to determine materials requirements or assembly instructions.	50
Read and interpret schematic drawings, diagrams, blueprints, specifications, work orders, or reports to determine materials requirements or assembly instructions.	50
Assemble electrical or electronic systems or support structures and install components, units, subassemblies, wiring, or assembly casings, using rivets, bolts, soldering or micro-welding equipment.	100
Adjust, repair, or replace electrical or electronic components to correct defects and to ensure conformance to specifications.	50
Fabricate or form parts, coils, or structures according to specifications, using drills, calipers, cutters, or saws.	50
Assemble electrical or electronic systems or support structures and install components, units, subassemblies, wiring, or assembly casings, using rivets, bolts, soldering or micro-welding equipment.	100
Assemble electrical or electronic systems or support structures and install components, units, subassemblies, wiring, or assembly casings, using rivets, bolts, soldering or micro-welding equipment.	100

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Electrical and Electronic Equipment Assembler

SCHEDULE AND CHECKLIST

Competencies	Approximate Hours
Inspect or test wiring installations, assemblies, or circuits for resistance factors or for operation, and record results.	100
Complete, review, or maintain production, time, or component waste reports.	100
Inspect or test wiring installations, assemblies, or circuits for resistance factors or for operation, and record results.	200
Adjust, repair, or replace electrical or electronic components to correct defects and to ensure conformance to specifications.	150
Position, align, or adjust workpieces or electrical parts to facilitate wiring or assembly.	200
Explain assembly procedures or techniques to other workers.	100
Mark and tag components so that stock inventory can be tracked and identified.	100
Clean parts, using cleaning solutions, air hoses, and cloths.	50
Drill or tap holes in specified equipment locations to mount control units or to provide openings for elements, wiring, or instruments.	50
Measure and adjust voltages to specified values to determine operational accuracy of instruments.	50
Distribute materials, supplies, or subassemblies to work areas.	50
Confer with supervisors or engineers to plan or review work activities or to resolve production problems.	25

OJT CORE COMPETENCIES

Electrical and Electronic Engineering Technician

SCHEDULE AND CHECKLIST

Competencies	Approximate Hours
Confer with supervisors or engineers to plan or review work activities or to resolve production problems.	25
Pack finished assemblies for shipment, and transport them to storage areas, using hoists or handtrucks.	25
Pack finished assemblies for shipment, and transport them to storage areas, using hoists or handtrucks.	25
Instruct customers in the installation, repair, or maintenance of products.	100



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