

OJT CORE COMPETENCIES

Welder- Combination

TERM OF APPRENTICESHIP

The term of the apprenticeship is 3 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
Safety	<ul style="list-style-type: none">• Demonstrates an understanding and use of appropriate personal protective equipment (PPE)• Maintains a clean and organized workspace• Demonstrates knowledge, proper use, and storage of hazardous materials• Reads safety data sheets (SDS) and applies appropriate safety precautions• Demonstrates proper use, maintenance, and safe storage of tools/equipment• Properly disposes of waste according to company policies and procedures and in accordance with OSHA, EPA, and local regulations and guidelines• Describes when and how to use proper Lockout/Tag Out procedures• Demonstrates knowledge and use of proper lifting/hoisting equipment and techniques• Describes proper response and reporting of safety incidents• Employer specific competency
Quality Assurance	<ul style="list-style-type: none">• Reads and interprets blueprints and specifications• Uses appropriate measuring tools and techniques• Uses and identifies appropriate electrodes• Understands codes and qualifications• Understands and can identify materials to be welded• Employer specific competency
Cutting Process	<ul style="list-style-type: none">• Understands and is able to use oxyfuel cutting• Understands and is able to use plasma arc cutting• Understands and is able to use air carbon arc cutting• Employer specific competency

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Welding Process	<ul style="list-style-type: none">• Uses low hydrogen electrodes• Uses fast freeze electrodes• Uses pipe welding techniques• Able to arc weld• Understands and is able to SMAW (Stick) pipe weld• Understands and is able to GMAW (MIG) weld• Understands and is able to GTAW (TIG) weld• Employer specific competency
Related Welding Activities	<ul style="list-style-type: none">• Understands and is able to weld joints• Understands and is able to weld power joints• Understands and is able to perform a weld test• Understands polarities and arc blow• Employer specific competency



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