

# Career Plan of Study

**2011-2012 Welding**

Cluster: Manufacturing Pathway: Welding and Metal  
Career Major: Welder/Fitters

Learner Name \_\_\_\_\_ Date \_\_\_\_\_

Learner Signature \_\_\_\_\_ Advisor Signature \_\_\_\_\_

Parent/Guardian Signature (if required) \_\_\_\_\_ Student Status  Secondary  Post-Secondary

Recommended Course Sequence	Grade	Completed	Hours		Grade	Completed	Hours
Introduction to Welding & Cutting Processes			60	Metal Preparation & Heat Treatments			30
GMAW/FCAW Equipment & Setup			15	GMAW Plate			60
Metal Characteristics & Properties			30	GTAW Low Alloy & Stainless Steel Pipe			90
FCAW Plate/Pipe			60	Workforce Staging			30
Air Carbon Arc Cutting & Gouging			15				
Plasma Arc Cutting			15				
Welding Blueprints			15				
Welding Joint Fit Up & Adjustment			15				
GTAW Equipment & Filler Materials			15				
GTAW Plate			60				
SMAW Electrodes			15				
SMAW Equipment & Setup			15				
SMAW Beads & Fillet Welds			120				
Welding Detail Drawings II			45				
GTAW Aluminum Plate			45				
GTAW Carbon Steel Pipe			90				
Mitering, Saddling & Branching Pipe			75				
SMAW Open Root Pipe Welds			105				
<b>Total Hours</b>							<b>1050</b>

**STRUCTURAL AND PIPE WELDER** Year \_\_\_\_\_ Name \_\_\_\_\_

**Articulation OSU Okmulgee College Credit**

Post-Secondary	OSU Okmulgee		High Plains Tech Courses	Grade	Date Completed	Instructor Signature
	WELD 1103	Reading Welding Blueprints	Blueprint Reading/Layout for Welding			
	WELD 1113	Oxy-Fuel Welding & Cutting and Plasma Cutting	Oxyacetylene Welding and Cutting			
	WELD 1123	Introduction to Shielded Metal Arc Welding	Shielded Metal Arc Welding (SMAW)			
	WELD 2323	Electrode Selection and Weld Quality	Shielded Metal Arc Welding (SMAW)			
	WELD 2405	Shielded Metal Arc Welding on Pipe	Shielded Metal Arc Welding (SMAW)			
	WELD 1203	Non Destructive Testing	Introduction and Shop Projects			
	WELD 1302	Physical Characteristics and Mechanical Properties of Metals	Introduction and Shop Projects			
	WELD 1213	Introduction to Gas Tungsten Arc Welding	Gas Tungsten Arc Welding			
	WELD 2313	Introduction to Flux Core Arc Welding FCAW	Gas Metal Arc Flux Welding			
	WELD 2322	Joint Fit-up and Alignment for Structural Steel	Pipe Welding			
	WELD 2412	Joint Fit-up and Alignment of Pipe	Pipe Welding			

Career Enhancement	Work-Based Learning Options		Certifications			
			<b>BrainBench Certifications</b>			
	(A = Active, NA = Not Active)					
	Years _____					
	____ Member	____ Committee Member				
	____ Officer	____ Committee Chair				
	____ State Competitions	____ National Competitions				
	Other:					
	OJT Site _____ Date _____		<b>Oklahoma Department of Career Tech Recommended Certifications</b>			
Location _____						
Special Notes:						
<p><i>**High Plains Technology Center does not condone discrimination with regard to race, color, national origin, religion, gender, age, disability or veteran status in enrollment or employment, nor in the educational programs or activities which it operates.</i></p>						

**\*To earn a Completion Certificate, student must maintain an 80% in each course and pass required certification exams.**

