

NAME \_\_\_\_\_

- I have an account on Oklahoma Career Guide
- I have updated my resume on Oklahoma Career Guide

### Career Cluster Plan of Study for > Learners > Parents > Counselors > Teacher/Faculty

This Career Cluster Plan of Study (based on the Manufacturing Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. \*This Plan of Study, used for learners at an educational institution, should be customized with course titles and appropriate high school graduation requirements, as well as college entrance requirements.

EDUCATION LEVELS	GRADE	ENGLISH/ LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES/ SCIENCES	Other required courses, other electives, recommended electives, learner activities	Career and Technical Courses and/or Degree Major Courses for Welding Technology	OCCUPATIONS Relating to Welding Technology		
<b>OKLAHOMA CAREER GUIDE INTEREST INVENTORY ADMINISTERED</b>										
<b>SECONDARY</b>	8	<input type="checkbox"/> 8th Grade English	<input type="checkbox"/> Pre-Algebra or Algebra I	<input type="checkbox"/> 8th Grade Science	<input type="checkbox"/> 8th Grade Civics	<input type="checkbox"/> Financial Literacy	<input type="checkbox"/> Air Carbon Arc Cutting and Gouging <input type="checkbox"/> FCAW Plate/Pipe <input type="checkbox"/> GMAW Pipe <input type="checkbox"/> GMAW/FCAW Equipment and Setup <input type="checkbox"/> GTAW Aluminum Plate <input type="checkbox"/> GTAW Carbon Steel Pipe <input type="checkbox"/> GTAW Equipment and Filler Materials <input type="checkbox"/> GTAW Low Alloy and Stainless Steel Pipe <input type="checkbox"/> GTAW Plate <input type="checkbox"/> Introduction to Welding & Cutting Processes <input type="checkbox"/> Metal Characteristics and Properties <input type="checkbox"/> Metal Preparation and Heat Treatments <input type="checkbox"/> Mitering, Saddling and Branching of Pipe <input type="checkbox"/> Plasma Arc Cutting <input type="checkbox"/> SMAW Beads & Fillet Welds <input type="checkbox"/> SMAW Electrodes <input type="checkbox"/> SMAW Equipment and Setup <input type="checkbox"/> SMAW Open Root Pipe Welds <input type="checkbox"/> Welding Blueprints <input type="checkbox"/> Welding Detail Drawings II <input type="checkbox"/> Welding Joint Fit Up and Adjustment <input type="checkbox"/> Workforce Staging  <b>*Optional Certifications:</b> American Welding Society(AWS), 1G, 2G, 3G, 4G, 5G, 6G	CNC plasma torch operator Drill Press Operator MIG Welder Oxy-acetylene Welder Punch Machine Operator Shear Operator TIG Welder Welder/Fabricator		
	9	<input type="checkbox"/> English/ Language Arts I	<input type="checkbox"/> Algebra I/ Geometry	<input type="checkbox"/> Biology/ Physical Science	<input type="checkbox"/> OK History/ Civics	<input type="checkbox"/> Computer Technology I and <input type="checkbox"/> Computer Technology II				
	10	<input type="checkbox"/> English/ Language Arts II	<input type="checkbox"/> Geometry/ Algebra II	<input type="checkbox"/> Chemistry/ Biology/ Astronomy	<input type="checkbox"/> World History/ European History	Or				
	11	<input type="checkbox"/> English/ Language Arts III	<input type="checkbox"/> Algebra II/ Pre-Calculus/ Trigonometry	<input type="checkbox"/> Physics/Zoology/ Environmental Science	<input type="checkbox"/> US History	<input type="checkbox"/> Foreign Language I and <input type="checkbox"/> Foreign Language II				
	<b>COLLEGE PLACEMENT ASSESSMENT-ACADEMIC/CAREER ADVISEMENT PROVIDED</b>									
	12	<input type="checkbox"/> English/ Language Arts IV	<input type="checkbox"/> Pre-Calculus/ Trigonometry/ AP Calculus Statistics/Algebra III	<input type="checkbox"/> AP Science/ Meteorology/ Physiology/ Botany	<input type="checkbox"/> World Geography/ AP History/ Economics	<input type="checkbox"/> Fine Arts or Speech				
<b>POSTSECONDARY PROGRAMS AND DEGREES WITH COWLEY COUNTY COMMUNITY COLLEGE</b>										
<b>POSTSECONDARY</b>	13	<input type="checkbox"/> English Comp I	<input type="checkbox"/> Inter Algebra	<input type="checkbox"/> Lab Science		Computer App (3 hrs) Ethics (3 hrs) Public Speaking (3 hrs) Social Science (6 hrs)	An Associate of General Studies degree may be obtained after the completion of 30 hours of college credit (15 of those hours must be at Cowley County Community College) and the completion of Welding Technology at Autry Technology Center.			
	14	<input type="checkbox"/> English Comp II								
	15									
	16									

\*Different requirements may be required at other colleges/universities

\*Bachelor's Degree may be available