



## Welding GTAW: Certificate



<http://catalog.ivcc.edu/guidesheet/certificate/weldinggtaw/>

This Career Pathway Plan of Study is to serve as a guide as coursework may change. Other career planning materials may be used 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.

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	SAMPLE Occupations Relating to This Pathway
SECONDARY	9	English I	Algebra I Geometry	Physical Science	World History	Consumer Ed, Am. Gov., Speech  <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">11th grade; Take IVCC Placement test</div>		<ul style="list-style-type: none"> <li>•General Maintenance and Repair worker</li> <li>•Boilermaker</li> <li>•Pipefitter</li> <li>•Power plant maintenance worker</li> <li>•Ironworker</li> <li>•Steam generating facility maintenance</li> </ul>
	10	English II	Geometry Algebra II	Biology				
	11	AP English Language English III	Algebra II Pre-Calculus	Chemistry	US History		DUAL CREDIT COURSES* (see high school counselor)	
	12	English IV	Pre-Calculus Calculus	Physics			The following courses may be offered as dual credit at the Area Career Center & some high schools <b>WLD 1200</b>	
To view detailed descriptions of the below courses, go to: <a href="http://catalog.ivcc.edu/courses/">http://catalog.ivcc.edu/courses/</a>								
POSTSECONDARY	1st Semester					Prepares students for the AWS Certification Test	<b>FIRST 8 WEEKS</b> <b>WLD 1200*</b> Stick, Plate, Flat Arc Welding <b>WLD 2206</b> Gas Welding & Brazing, Flat & Horizontal  <b>LAST 8 WEEKS</b> <b>WLD 1220</b> GTAW (TIG) Mild Steel	
	2nd Semester						<b>FIRST 8 WEEKS</b> <b>WLD 1221</b> GTAW (TIG) Stainless Steel <b>WLD 1222</b> GTAW (TIG) Non Ferrous Alloys	
** Go to <a href="http://www.catalog.ivcc.edu/autosubstitutions/">www.catalog.ivcc.edu/autosubstitutions/</a> to view allowed substitutions for required courses that may be offered as Dual Credit/Dual Enrollment at area high schools								