



Welding Production Certificate



**ILLINOIS VALLEY
COMMUNITY COLLEGE**

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

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: 0 auto;"> 11th grade; Take IVCC Placement test </div>		<ul style="list-style-type: none"> •Sheet metal worker •Production welder •Model or template maker •Structural Metal Fabricator •Arc Welder •Blow Torch Operator
	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) The following courses may be offered as dual credit at the Area Career Center & some high schools DFT 1200, WLD 1210	
	12	English IV	Pre-Calculus Calculus	Physics				
To view detailed descriptions of the below courses, go to: http://catalog.ivcc.edu/courses/								
POSTSECONDARY	Any Fall Semester	MTH 1206** Technical Mathematics I				<u>REQUIRED COURSES</u> <u>FALL</u> ALH 1221 Industrial First Aid or HPE 1004 First Aid SDT 1203 Job Seeking Skills <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Prepares students for the AWS Certification Test </div>	<u>ANY FALL SEMESTER</u> DFT 1200* Mechanical Drafting WHS 1200 Basic Forklift Operation	
	Any Spring Semester						<u>ANY SPRING SEMESTER</u> MET 1209 Welding Metallurgy WED 2200 Welding Blueprint Reading WLD 2209 Fabrication	
	1st Semester						<u>FIRST 8 WEEKS</u> WLD 1210* GMAW (MIG) Mild Steel or WLD 2200 MIG (Wire) Horizontal Plate Arc Welding <u>LAST 8 WEEKS</u> WLD 1211 GMAW (MIG) Stainless Steel or WLD 2201 MIG (Wire) Vertical Plate Arc Welding	
	2nd Semester						<u>FIRST 8 WEEKS</u> WLD 1212 GMAW (MIG) Non Ferrous Alloys WLD 2206 Gas Welding & Brazing, Flat & Horizontal <u>LAST 8 WEEKS</u> WLD 1213 GMAW Pipe, All Positions WLD 1220 GTAW (TIG) Mild Steel	
	3rd Semester						<u>FIRST 8 WEEKS</u> WLD 1230 Dual Shield and Metal Core OR WLT 1230 AWS Testing	

** Go to www.catalog.ivcc.edu/autosubstitutions/ to view allowed substitutions for required courses that may be offered as Dual Credit/Dual Enrollment at area high schools