

# Welding Technology

Certificate

Program/CIP Code: WELD.TCERTA/WELD.TCERTB/48.0508

Credits Required: 20/40

Division: TEC

Contact: [TEC@kckcc.edu](mailto:TEC@kckcc.edu)

This program is designed to teach specific skills in all aspects of the welding trade, including blueprint reading, metallurgy, oxy-acetylene and semi-automatic cutting, brazing, and industry standard welding processes in a standard set of positions. Students learn welding processes to work with cast iron, brass, aluminum, stainless steel and alloy metals. Apprenticeship opportunities with over 10 skilled craft unions are available through the Construction Apprenticeship Tech Prep Consortium for graduates.

**American Welding Society certification is available by appointment during the day at TEC.** Program completers will be prepared for AWS certification in most processes. Individuals who have welding experience but desire AWS certification should call 913-288-7800 to make arrangements for evaluation and testing or review sessions.

### Requirements for admission to the program:

- No requirements for admission to the program.
- Contact program for program-specific advising.

### Welding Technology Requirements: Certificate A\*

Course		Credit Hours
WELD 0100	Welding Safety	2
WELD 0105	Welding Blueprints	3
WELD 0110	Cutting Process	3
WELD 0120	SMAW I	3
WELD 0130	GMAW I	3
WELD 0140	GTAW I	3
WELD 0201	Oxy-Fuel Welding	1
WELD 0202	Intermediate Welding Techniques	1
BUSN 0250	Obtaining Employment	1
*See course syllabi for Welding Technology course prerequisites.		

<b>Total Hours for a Welding Technology Certificate A</b>	<b>20</b>
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**Welding Technology Requirements: Certificate B\***

<b>Course</b>		<b>Credit Hours</b>
<i>Completion of Certificate A Requirements</i>		<i>20</i>
WELD 0220	SMAW II	4
WELD 0230	GMAW II	4
WELD 0240	GTAW II	4
<b>Electives (Selected by Instructor)</b>		
WELD 0255	Aluminum Welding (4hrs)	8
WELD 0260	Stainless Steel Welding (4hrs)	
WELD 0265	Fabrication Welding (4hrs)	
WELD 0270	Automated Welding and Cutting (4hrs)	
WELD 0275	Pipe Welding (4hrs)	
WELD 0280	Welding Codes and Advanced Inspection (4hrs)	
WELD 0285	Internship (4hrs)	
*See course syllabi for Welding Technology course prerequisites.		

<b>Total Hours for a Welding Technology Certificate B</b>	<b>40</b>
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