

**WELDING TECHNOLOGY
LEVEL I CERTIFICATE-CERTIFICATE A**

WELDING TECHNOLOGY
LEVEL I-CERTIFICATE A

Labette Community College's Welding Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 48.0508:

Welding Technology/Welder. A program that prepares individuals to apply technical knowledge and skills to join or cut metal surfaces. Includes instruction in arc welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and non-ferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards.

The Welding Technology Level I-Certificate A is for students who intend to seek entry-level employment after completing a one-year program. Students must successfully complete INDU 155 OSHA Safety 10 before they can proceed with any other Welding course.

Recommended Course Sequence

SEM 1: INDU 155, WELD 120, WELD 130, WELD 140

SEM 2: WELD 160, WELD 180

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After Graduation

Career areas in welding include welding, cutting, soldering, and brazing in the construction, manufacturing and utilities industries. Specific job titles include welding technician, supervisors, inspectors, instructors, and shop owners. The job outlook for welders in the construction, manufacturing, and utilities industries is increasing. Median earnings are \$15.10/hour.

Concentration Requirements			16
<input type="checkbox"/>	INDU 155	OSHA Safety 10	1
<input type="checkbox"/>	WELD 120	Oxy Acetylene and Safety	3
<input type="checkbox"/>	WELD 130	Gas Tungsten Arc Welding	3
<input type="checkbox"/>	WELD 140	Shielded Metal Arc Welding	3
<input type="checkbox"/>	WELD 160	Gas Metal Arc Welding	3
<input type="checkbox"/>	WELD 180	Pipe Layout and Blueprint Reading	3

WELDING TECHNOLOGY LEVEL II-CERTIFICATE B

ACADEMIC CURRICULUM MAP

An academic map is a suggested two-year schedule of courses based on degree requirements. This sample schedule serves as a general guideline to help build a full schedule each term. Milestones, courses, and special requirements necessary for timely progress to complete a major are designated to keep you on track to graduate in two years.

This map is not a substitute for academic advisement—contact your advisor if you have any questions about scheduling or about your degree requirements. Also see the current academic catalog for a complete list of requirements and electives. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact an advisor, the department and/or program area for current information.

First Year					
First Semester			Second Semester		
Course	Credit Hours	Notes	Course	Credit Hours	Notes
INDU 155 OSHA Safety 10	1		WELD 160 Gas Metal Arc Welding	3	
WELD 120 Oxy Acetylene and Safety	3		WELD 180 Pipe Layout and Blueprint Reading	3	
WELD 130 Gas Tungsten Arc Welding	3				
WELD 140 Shielded Metal Arc Welding	3				
Total Hours	10		Total Hours	6	
Second Year					
First Semester			Second Semester		
Course	Credit Hours	Notes	Course	Credit Hours	Notes
WELD 210 Adv. Gas Tungsten Arc Welding	4		WELD 220 Adv. Gas Metal Arc Welding	4	
WELD 240 Adv. Shielded and Metal Arc Welding	4		WELD 260 Specialized Welding	4	
Total Hours	8		Total Hours	8	