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**	

General Electives can be found on page 53
Statewide General Education Requirements can be found on page 56

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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 II-Certificate B is for students interested in advancing their skill level beyond Welding Technology Level I-Certificate A.

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.

Recommended Course Sequence
SEM 1: INDU 155, WELD 120, WELD 130,WELD 140
SEM 2: WELD 160, WELD 180
SEM 3: WELD 210, WELD 240
SEM 4: WELD 220, WELD 260

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Concentration Requirements			32
☐	Level I Certificate Requirements		16
☐	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

General Electives can be found on page 53
Statewide General Education Requirements can be found on page 56