



John A. Logan College

Associate in Applied Science Toward a Degree in Welding Technology

Career Curriculum WEL2010
Minimum Hours: 66
Major Code: 1.2 480508E
Effective Date: Fall 2021

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
MAT	113	OR MAT 100 Mathematics for Applied Technologies	3	_____
IND	201	Metallurgy	2	_____
WEL	120	OXYFUEL Welding, Cutting & Brazing	3	_____
WEL	121	SMAW (STICK) Plate Welding I	3	_____
WEL	122	GMAW(MIG) Plate Welding	3	_____
			15	

NOTES AND INFORMATION

Fall only courses:		Spring only courses:	
IDM	210	DRT	192
MAC	200		

¹ Requires a grade of "C" or higher.

Prerequisite: **OSHA 10-hour General Certification**

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

Career Opportunities: Upon successful completion of the AAS degree, the student will have the opportunity to enter the workforce as a welding technician. The program will prepare graduates for entry into union trades positions including boilermakers, plumbers & pipefitters, structural steel workers, rail car repair and general maintenance; small and medium job shops.

JALC Welding Program is an educational member of:

American Welding Society
8669 NW 36 Street
Suite 130
Doral, FL 33166



John A. Logan College reserves the right to modify this curriculum guide as needed. Please verify with your academic advisor the accuracy and time lines of this document.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ENG	101	English Composition ¹ OR ENG 113 Professional Technical Writing ¹	3	_____
MAC	180	Blueprint Reading	3	_____
WEL	123	SMAW(STICK) Plate Welding II	3	_____
WEL	124	GTAW(TIG) Plate Welding I	3	_____
WEL	125	Weld Testing and Inspection	4	_____
			16	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
IDM	210	Hydraulics and Pneumatics	4	_____
MAC	200	Machine Tool Laboratory	4	_____
COM	115	Speech	3	_____
DRT	185	Computer Graphics I	2	_____
WEL	126	SMAW(STICK) Welding III	3	_____
WEL	127	Welding & Metal Fabrication	3	_____
			19	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DRT	192	Blueprint Reading	3	_____
		IAI Physical/Life Science OR IAI Humanities/ Fine Arts Elective	3-5	_____
		IAI Social and Behavioral Science Elective	3	_____
WEL	128	Pipe Welding	4	_____
WEL	129	GTAW(TIG) Welding II	3	_____
			16-18	