

**FIRST YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Grade
ORI	100	College Fundamentals (A, B, or C)	1	_____
MAT	113	OR MAT 115 Applied Mathematics OR BUS 111	3	_____
WEL	115	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:

WEL 115 WEL 126  
WEL 120 WEL 127  
WEL 121 WEL 130  
WEL 122

Spring Only Courses:

MAC 180 WEL 125  
WEL 123 WEL 128  
WEL 124 WEL 129

**FIRST YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Grade
ENG	101	English Composition <sup>1</sup> OR ENG 113 Professional Technical Writing <sup>1</sup>	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	3	_____
CMG	112	Construction OSHA 30 Safety for Applied Tech	2	_____
			17	

<sup>1</sup> Requires a grade of "C" or higher.

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:**

**SECOND YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Grade
WEL	130	GMAW (MIG) Plate Welding II	3	_____
COM	115	Speech OR COM 116 Interpersonal Communications	3	_____
CMG	218	CADD for Applied Technology	3	_____
WEL	126	SMAW(STICK) Welding III	3	_____
WEL	127	Welding & Metal Fabrication	3	_____
			15	

**SECOND YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	_____
		IAI Physical/Life Science OR IAI Humanities/ Fine Arts Elective	3-5	_____
		IAI Social and Behavioral Science Elective	3	_____
WEL	128	Pipe Welding	3	_____
WEL	129	GTAW(TIG) Welding II	3	_____
			15-17	

**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.*