



**FIRST YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Gr.
IND	201	Metallurgy	2	___
MAT	113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies	3	___
WEL	150	Oxy-Acetylene Fusion Welding I	1	___
WEL	151	Oxy-Acetylene Fusion Welding II	2	___
WEL	152	Brazing & Soldering	1	___
WEL	153	Oxy-Acetylene Cutting	1	___
WEL	154	Arc Welding I	2	___
WEL	155	Arc Welding II	2	___
WEL	156	Arc Welding III	1	___
WEL	200	Welding Theory	<u>2</u>	___
			17	

**FIRST YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Gr.
ENG	101	English Composition I <sup>1</sup> OR ENG 113 Professional Technical Writing <sup>1</sup>	3	___
MAC	180	Blueprint Reading	3	___
WEL	157	Arc Welding IV	1	___
WEL	158	Arc Welding V	1	___
WEL	159	Arc Welding	1	___
WEL	160	M.I.G. Welding	2	___
WEL	161	Cored Wire Welding	2	___
WEL	162	T.I.G. Welding	1	___
WEL	163	Weld Testing & Inspection <sup>1</sup>	2	___
WEL	198	T.I.G. Welding Aluminum	1	___
WEL	199	T.I.G. Welding Stainless Steel	<u>1</u>	___
			18	

Fall only courses:

IDM 210  
MAC 200

Spring only courses:

DRT 192

<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.

**The Welding Program is accredited by:**

**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.*

**Effective Date: Spring 2017**

**SECOND YEAR – FALL SEMESTER**

Dept.	No.		Hrs.	Gr.
IDM	210	Hydraulics and Pneumatics	4	___
MAC	200	Machine Tool Laboratory	4	___
SPE	115	Speech OR SPE 116 Interpersonal Communication	3	___
WEL	188	Welding Laboratory I	1	___
WEL	189	Welding Laboratory II	1	___
WEL	190	Welding Laboratory III	1	___
WEL	191	Welding Laboratory IV	1	___
WEL	195	Special Problems in Welding	<u>2</u>	___
			17	

**SECOND YEAR – SPRING SEMESTER**

Dept.	No.		Hrs.	Gr.
DRT	185	Computer Graphics I	2	___
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	192	Introduction to Pipe Welding	1	___
WEL	193	Pipe Welding	1	___
WEL	194	Pipe Welding	2	___
WEL	196	M.I.G. Welding Aluminum	1	___
WEL	197	M.I.G. Welding Stainless Steel	<u>1</u>	___
			17-19	