WELDING TECHNOLOGY
Degree Program

Career Curriculum WEL 2010
Associate in Applied Science
Minimum Hrs. 69
Major Code: 1.2 480508E

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Gr.
IND	201	Metallurgy	2	____
MAT	113	Introduction to Contemporary Mathematics OR MAT 106 Technical Mathematics	3-4	____
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	2	____
			17	

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
ENG	101	English Composition I[1]	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[1]	2	____
WEL	198	T.I.G. Welding Aluminum	1	____
WEL	199	T.I.G. Welding Stainless Steel	1	____
			18	

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	2	____
			17	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Gr.
DRT	185	Computer Graphics I	2	____
DRT	192	Blueprint Reading	3	____
PHY	121	Technical Physics	3	____
PSY	132	General Psychology	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	1	____
			17	

Fall only courses:
IDM 210
MAC 200

Spring only courses:
DRT 192

[1] 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.

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: Fall 2010

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.