

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
ORI	100	College 101	1	_____
CMG	110	Structural Framing I	4	_____
ELT	102	Basic Electricity and Wiring	4	_____
HAC	121	Heating I	4	_____
DRT	185	Computer Graphics I	2	_____
WEL	121	SMAW (STICK) Plate Welding I	3	_____
			18	

NOTES AND INFORMATION

¹ Requires a grade of "C" or higher.

<u>Fall only courses:</u>		<u>Spring only courses:</u>	
ELT 102		ELT 150	IDM 120
HAC 121		ELT 224	MFT 201
IDM 210		HAC 131	
MFT 103			

¹Requires a grade of "C" or higher.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
COM	115	Speech or COM 116 Interpersonal Communication	3	_____
ELT	150	Applied Solid State Electronics	3	_____
HAC	131	Refrigeration and Air Conditioning I	4	_____
IDM	120	Safety and Environmental Management	2	_____
IAI Social and Behavioral Science Elective			3	_____
			15	

²Although this class is recommended, it is not required for graduation from this program and therefore is ineligible for Title IV financial aid funding.

All students in this program will be required to furnish a basic tool set. The set includes the following:

Pliers
Needle Nose Pliers
Side Cutter (Diagonal) Pliers
Lineman's Pliers

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	_____
IDM	210	Hydraulics & Pneumatics	3	_____
MAC	200	Machine Tool Lab	4	_____
MFT	103	Industrial Robots & PLCs	3	_____
WEL	122	GMAW (MIG) Plate Welding	3	_____
			16	

Additional Tools

Pocket Knife for Stripping Cable (Lock-Back) or Cable Stripper
Wire Strippers
Digital Multimeter (DMM) - must measure volts, ohms, and milli-amps

Note: Cost varies from different suppliers.

Career Opportunities: Industrial Maintenance/repair position, facilities maintenance

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

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
MAT	113	OR MAT 112 Introduction to Contemporary Mathematics or MAT 100 Mathematics for Applied Technologies or MAT 119 or MAT 120 Elementary Statistics	3	_____
ELT	224	Power Distribution and Motors	3	_____
ENG	101	English Composition I ¹ or ENG 113 Professional Technical Writing ¹	3	_____
HAC	107	Electrical Controls and Circuitry	3	_____
MFT	201	PLC Manufacturing Systems	3	_____
IAI Physical/Life Science or IAI Humanities/ Fine Arts Elective			3-5	_____
			18-20	

SECOND YEAR – SUMMER SEMESTER – OPTIONAL

Dept.	No.		Hrs.	Grade
INT	101	Internship ²	1-3	_____