

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 OR HAC 102 Residential Electric Wiring	4	_____
HAC	121	Heating I	4	_____
CMG	218	CADD for Applied Tech	3	_____
WEL	121	SMAW (STICK) Plate Welding I	<u>3</u>	_____
			19	

NOTES AND INFORMATION

¹ Requires a grade of "C" or higher.

Fall only courses: Spring only courses:

¹Requires a grade of "C" or higher.

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

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:

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.

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	150	Applied Solid State Electronics	3	_____
MAT	115	Applied Mathematics OR BUS 111	3	_____
HAC	107	Electrical Controls and Circuitry	3	_____
CMG	112	Construction OSHA 30 Safety for Applied Technology	2	_____
HAC	101	Basic Plumbing Systems	3	_____
HAC	131	Refrigeration and Air Conditioning I	<u>4</u>	_____
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SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
CMG	107	Construction Document Interpretation	3	_____
ELT	205	Hydraulics & Pneumatics	3	_____
MAC	200	Machine Tool Lab	4	_____
ELT	105	Introduction to Programmable Logic Controllers	3	_____
WEL	122	GMAW (MIG) Plate Welding	3	_____
ENG	113	Professional Technical Writing ¹	<u>3</u>	_____
			19	

SECOND YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
ELT	224	Power Distribution and Motors	3	_____
ELT	201	PLC Manufacturing Systems & Industrial Robotics	3	_____
COM	115	Speech	3	_____
IAI		Physical/Life Science	3	_____
IAI		Social and Behavioral Science Elective	<u>3</u>	_____
			15	