



FALL SEMESTER

Dept. No.		Hrs.	Gr.
ELT 102	Basic Electricity and Wiring	4	___
IDM 210	Hydraulics & Pneumatics	4	___
MAT 113	Introduction to Contemporary Mathematics OR MAT 100 Mathematics for Applied Technologies OR MAT 111 Pre-Calculus OR MAT 120 Elementary Statistics	3-5	___
MFT 103	Industrial Robots and PLCs	3	___
		14-16	

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 103	Applied DC/AC Circuits	4	___
ELT 104	Introduction to VFDs	2	___
ELT 150	Applied Solid State Electronics	3	___
ELT 224	Power Distribution and Motors	3	___
MFT 201	PLC Manufacturing Systems	3	___
		16	

Fall only courses:

ELT 102
IDM 210
MFT 103

Spring only courses:

ELT 104
ELT 150
ELT 224
MFT 201

The Industrial PLC Systems Certificate Program (00ELT3013) is an ICCB approved extension of the Industrial Maintenance Engineering AAS Degree (00ELT3012) which is the parent to:

- PLC Technician Certificate (ELT 2006)

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet—Industrial PLC Systems Certificate Program \(00ELT3013\)](#). You can also access this information by typing the following URL into your browser's address bar:
http://www.jalc.edu/gainful_employment/industrial_plc_systems/Gedt.html

*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 2017

Career Opportunities: Entry-level PLC maintenance and PLC System Programmer.