



**INDUSTRIAL MAINTENANCE ENGINEERING
INDUSTRIAL PLC SYSTEMS
Certificate Program**

Career Curriculum 00ELT3013 Certificate Program Minimum Hrs. 29 Major Code: 1.2 150303X
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FALL SEMESTER

SPRING SEMESTER

Dept. No.		Hrs.	Gr.	Dept. No.		Hrs.	Gr.
ELT 102	Basic Electricity and Wiring	4	___	ELT 103	Applied DC/AC Circuits	4	___
IDM 210	Hydraulics & Pneumatics	4	___	ELT 104	Introduction to VFDs	2	___
MAT 113	Introduction to Contemporary Mathematics OR	3-5	___	ELT 150	Applied Solid State Electronics	3	___
	MAT 100 Mathematics for Applied Technologies OR			ELT 224	Power Distribution and Motors	3	___
	MAT 111 Pre-Calculus OR			MFT 201	PLC Manufacturing Systems	<u>3</u>	___
	MAT 120 Elementary Statistics					16	
MFT 103	Industrial Robots and PLCs	<u>3</u>	___				
		14-16					

Fall only courses:

Spring only courses:

ELT 102	ELT 104
IDM 210	ELT 150
MFT 103	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 2018

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