



Certificate

Toward a Degree in

Industrial PLC Systems

Career Curriculum 00ELT3013
 Minimum Hours: 29
 Major Code: 1.2 150303X
 Effective Date: Fall 2018

FALL SEMESTER

Dept.	No.		Hrs.	Grade
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	

NOTES AND INFORMATION

<u>Fall only courses:</u>		<u>Spring only courses:</u>	
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)

SPRING SEMESTER

Dept.	No.		Hrs.	Grade
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	_____
			15	

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 \(00ELT3013\)](http://www.jalc.edu/gainful_employment/industrial_plc_systems/Gedt.html).

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

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

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.