



**INDUSTRIAL PLC SYSTEMS
Certificate Program**

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

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	3-5	___
	MAT 106 Technical Mathematics OR		
	MAT 111 Pre-Calculus OR		
	MAT 120 Elementary Statistics		
MFT 103	Industrial Robots and PLCs	3	___
		14-16	

SPRING SEMESTER

Dept. No.		Hrs.	Gr.
ELT 150	Applied Solid State Electronics	4	___
ELT 224	Power Distribution and Motors	3	___
IDM 120	Safety & Environmental Management	2	___
MFT 201	PLC Manufacturing Systems	3	___
PHY 121	Technical Physics	3	___
		15	___

Fall only courses:

Spring only courses:

ELT 102
IDM 210
MFT 103

ELT 150
ELT 224
IDM 120
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)

*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 2010

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