



**INDUSTRIAL ELECTRONICS MAINTENANCE  
Certificate Program**

Career Curriculum  
Certificate Program  
Minimum Hrs. 43  
Major Code: 1.2 150303J

**FALL SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 100 DC/AC Fundamentals	8	___
ELT 230 Application of PLCs	2	___
MAT 106 Technical Mathematics	4	___
MFT 103 Industrial Robots and PLCs	3	___
	17	

**SPRING SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 110 Solid State Circuits	8	___
ELT 111 Digital Electronics	6	___
PHY 153 Technical Physics	4	___
	18	

**OPTIONAL**

Dept. No.	Hrs.	Gr.
ATI 200 Applied Technologies Internship	1-3	___

**FALL SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 220 Industrial Electronics	8	___
	8	

*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 2008**

**Additional Information:** This is a certificate program that emphasizes DC/AC fundamentals, solid state electronics, and industrial electronics applications. Upon completion of this program, the student will be awarded a certificate in industrial electronics maintenance. For students entering the program with prior education or on-the-job experience, it is possible to test out of the basic courses. For additional information, students should see their advisor or the chairperson of the Applied Technologies.

**Career Opportunities:** The graduate of this program will be qualified for an entry level position in any industrial setting as an industrial electronics maintenance specialist.