



**INDUSTRIAL MAINTENANCE ENGINEERING  
Degree Program**

Career Curriculum  
Associate in Applied Science  
Minimum Hrs. 69  
Major Code: 1.2 150303F

**FIRST YEAR – FALL SEMESTER**

Dept. No.		Hrs.	Gr.
ELT 100	DC/AC Fundamentals	8	___
MAT 106	Technical Mathematics OR MAT 111 Pre Calculus	4-5	___
MFT 103	Industrial Robots & PLCs	3	___
PSY 132	General Psychology OR PSY 128 Human Relations	<u>2-3</u> 17-19	___

**FIRST YEAR – SPRING SEMESTER**

Dept. No.		Hrs.	Gr.
ELT 110	Solid State Circuit	8	___
ELT 111	Digital Electronics	6	___
PHY 153	Technical Physics OR PHY 155 College Physics I	<u>4-5</u> 18-19	___

**Optional**

**FIRST YEAR – SUMMER SEMESTER**

ATI 200 Applied Technologies Internship 1-3

**SECOND YEAR – FALL SEMESTER**

Dept. No.		Hrs.	Gr.
CIS 207	Computer Applications	3	___
ENG 101	English Composition I <sup>1</sup> OR ENG 113 Professional Technical Writing	3	___
IDM 210	Hydraulics & Pneumatics	4	___
SPE 115	Speech	3	___
	Elective – Technical	<u>3</u>	___
		16	

**SECOND YEAR – SPRING SEMESTER**

Dept. No.		Hrs.	Gr.
ELT 220	Industrial Electricity	8	___
ELT 224	Power Distribution and Motors	3	___
IDM 120	Safety and Environmental Management	2	___
MFT 110	Statistical Process Control	2	___
MFT 201	PLC Manufacturing Systems	<u>3</u>	___
		18	

**ELECTIVES**

ELT 150	Applied Solid State Electronics	4	
ELT 200	Introduction to Microprocessors	5	
ELT 236	Introduction to Fiber Optics	3	

<sup>1</sup> Requires a grade of "C" or higher.

*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: Spring, 2006**