



**INDUSTRIAL MAINTENANCE
Degree Program**

Career Curriculum
Associate in Applied Science
Minimum Hrs. 68
Major Code: 1.2 470303C

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ELT 102 Industrial Electricity	4	___
MAT 106 Technical Mathematics	4	___
MAC 150 Machine Tool Operations	2	___
MAC 180 Blueprint Reading	3	___
MAC 200 Machine Tool Laboratory	4	___
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SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
HAC 121 Heating I	4	___
HAC 131 Refrigeration and Air Conditioning I	4	___
IDM 210 Hydraulics and Pneumatics	4	___
MFT 103 Industrial Robots and PLCs	3	___
	15	

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
CIS 101 Introduction to Computers	3	___
ELT 150 Applied Solid State	4	___
IDM 120 Safety and Environmental Management	2	___
SPE 115 Speech	3	___
WEL 201 Industrial Maintenance Welding Lab	6	___
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SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
ELT 224 Power Distribution and Motors	3	___
ENG 113 Professional Technical Writing I	3	___
MFT 201 PLC Manufacturing Systems	3	___
PHY 121 Technical Physics	3	___
PSY 132 General Psychology	3	___
PSC 131 American Government OR HIS 201 United States History I OR HIS 202 United States History I	3	___
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Optional

ATI 200 Applied Technologies Internship 1-4

¹ 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

Additional Information: The diversified training required for persons employed in plant maintenance positions is provided in this program. Graduates are trained in welding, machine processes, electricity, and refrigeration, as well as in related courses.

Career Opportunities: Plant maintenance positions, industrial maintenance technician in hospitals, medical facilities, schools, manufacturing companies, industrial companies, motel chains, government agencies, mining industry.