



**MANUFACTURING TECHNOLOGY CERTIFICATE II  
Certificate Program**

Career Curriculum  
Certificate Program  
Minimum Hrs. 48  
Major Code: 1.2 150411R

**FIRST YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
DRT 185 Computer Graphics I	2	___
IND 121 Manufacturing Processes I	2	___
MAC 180 Blueprint Reading	3	___
MFT 103 Industrial Robots and PLCs Concentration*	3	___
	6	___
	16	___

**FIRST YEAR – SPRING SEMESTER**

Dept. No.	Hrs.	Gr.
ELT 102 Industrial Electricity	4	___
IND 122 CAD/CAM Operations	2	___
MAC 154 Introduction to CNC	2	___
MFT 101 Production Technology	3	___
MFT 110 Statistical Process Control	2	___
MFT 201 PLC Manufacturing Systems	3	___
	16	___

**SECOND YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
MAC 159 CAM Operations	2	___
MAT 106 Technical Math Concentration*	4	___
	10	___
	16	___

**OPTIONAL**

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

\*Concentration will be chosen from Drafting (DRT), Electronics (ELT), Machine Tool (MAC), and Computer Information Systems (CIS).

*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**