



**COMPUTER-AIDED MACHINING II
Advanced Certificate Program**

Career Curriculum
Certificate Program
Minimum Hrs. 50
Major Code: 1.2 480501R

FALL SEMESTER

Dept. No.	Hrs.	Gr.
DRT 185 Computer Graphics I	2	___
MAC 150 Machine Tool Operations	2	___
MAC 151 Machine Tool Laboratory	2	___
MAC 152 Machine Tool Laboratory	2	___
MAC 153 Machine Tool Laboratory	2	___
MAC 180 Blueprint Reading	3	___
MAT 105 Vocational Math I OR	3-4	___
MAT 106 Technical Math	16-17	___

FALL SEMESTER

Dept. No.	Hrs.	Gr.
ELT 102 Industrial Electricity	4	___
ENG 113 Professional Technical Writing ¹	3	___
MAC 158 Machine Tool Laboratory	2	___
MAC 159 CAM Operations	2	___
MAC 160 Machine Tool Laboratory	2	___
MAC 161 Machine Tool Laboratory	2	___
MFT 103 Industrial Robots and PLCs	3	___
	18	___

SPRING SEMESTER

Dept. No.	Hrs.	Gr.
MAC 154 Introduction to CNC	2	___
MAC 155 Machine Tool Laboratory	2	___
MAC 156 Machine Tool Laboratory	2	___
MAC 157 Machine Tool Laboratory	2	___
MFT 101 Production Technology	3	___
PSY 128 Human Relations OR	2-3	___
PSY 132 General Psychology	3	___
SPE 115 Speech	3	___
	16-17	___

OPTIONAL

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

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: Fall 2008

Career Opportunities: Job-shop machinist, production machinist, maintenance machinist, machine setter, operator and tender, metal, wood, and plastic computer control programmer and operator, apprentice tool and die maker.