



**COMPUTER-AIDED MACHINING I
Certificate Program**

Career Curriculum 00MAC0042
Certificate Program
Minimum Hrs. 32
Major Code: 1.2 480501W

FALL SEMESTER

Dept. No.	Hrs.	Gr.
DRT 185 Computer Graphics I	2	___
ELT 102 Basic Electricity and Wiring	4	___
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	___
	17	

SPRING SEMESTER

Dept. No.	Hrs.	Gr.
IND 122 CAD/CAM Operations	2	___
IND 201 Metallurgy	2	___
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	___
	15	

OPTIONAL

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

The Computer-Aided Machining I Certificate Program (00MAC0042) is the parent to:

- CAD/CAM Operations Certificate Program (00MAC0144)
- Mazak Programming Specialist Certificate Program (00MAC0142)

*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 2010

Career Opportunities: Graduates of this program can expect to be employed as job-shop machinists, production machinists, maintenance machinists, machine setters, operators and tenders, metal, wood, and plastic computer-control programmers and operators, and apprentice tool and die makers.