



**TOOLING MANUFACTURING TECHNOLOGY
(Tool and Die)
Degree Program**

Career Curriculum
Associate in Applied Science
Minimum Hrs. 71
Major Code: 1.2 480507C

FIRST YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
DRT 185 Computer Graphics I	2	___
MAC 150 Machine Tool Operations	2	___
MAC 151 Machine Tool Lab	2	___
MAC 152 Machine Tool Lab	2	___
MAC 153 Machine Tool Lab	2	___
MAC 180 Blueprint Reading	3	___
MAT 113 Introduction to Contemporary Mathematics OR MAT 106 Technical Mathematics OR MAT 107 Technical Math with Applications OR MAT 120 Elementary Statistics	3-4	___
WEL 150 Oxy-Acetylene Fusion Welding	<u>1</u> 17-18	___

FIRST YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
IND 122 CAD/CAM Operations	2	___
MAC 154 Introduction to CNC	2	___
MAC 155 Machine Tool Lab	2	___
MAC 156 Machine Tool Lab	2	___
MAC 157 Machine Tool Lab	2	___
MFT 101 Production Technology	3	___
PSC 131 American Government OR HIS 201 United States History I OR HIS 202 United States History II	3	___
WEL 162 T.I.G. Welding	<u>1</u> 17	___

SECOND YEAR – FALL SEMESTER

Dept. No.	Hrs.	Gr.
ENG 113 Professional Technical Writing ¹ OR ENG 101 English Composition I ¹	3	___
IDM 210 Hydraulics and Pneumatics	4	___
IND 201 Metallurgy	2	___
MAC 159 CAM Operations	2	___
TDM 201 Tool & Die Lab I	3	___
TDM 201A Tool & Die Lab IA	<u>3</u> 17	___

SECOND YEAR – SPRING SEMESTER

Dept. No.	Hrs.	Gr.
DRT 282 Tool Design	3	___
MAC 164 Machine Tool Lab	2	___
PHY 121 Technical Physics	3	___
PSY 132 General Psychology	3	___
SPE 115 Speech	3	___
TDM 202 Tool & Die Lab II	3	___
TDM 202A Tool & Die Lab IIA	<u>3</u> 20	___

OPTIONAL

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

¹ Requires a grade of "C" or higher.

The minimum general education component for the Associate in Applied Science degree requires satisfactory completion of at least 15 semester credits of coursework distributed over the disciplines of Communications, Mathematics, Arts and Humanities, Physical and Life Sciences, and Social and Behavioral Sciences. The curriculum guide for each Associate in Applied Science degree program will spell out the course requirements or options available for satisfying the general education component. With appropriate justification and in consultation with your academic advisor, a request to substitute a course for one recommended in this guide may be granted with the appropriate approvals from the Department Chair, Dean for Instruction and Vice-President for Instruction. However, no substitutions are allowed in Groups I-III (General Education Component; GECC) of the curriculum guide (see the Associate in Applied Science general degree requirements worksheet in the John A. Logan College Catalog).

Students planning to transfer and pursue a baccalaureate degree should, when given a choice, enroll in the general education course that is IAI GECC approved and articulated with participating Illinois institutions.

*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