TOOLING MANUFACTURING TECHNOLOGY (Tool and Die) Degree Program

Career Curriculum 00TDM0086
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	1	____
			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	1	____
			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	3	____
			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	3	____
			20	

OPTIONAL

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

[1] Requires a grade of "C" or higher.

The Tooling Manufacturing Technology (Tool and Die) AAS Degree Program (00TDM0086) is the parent to:

- Introduction to Wire EDM Operations Certificate Program (00TDM0090)
- Machine Tool Technician I Certificate Program (00TDM0088)

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

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.