

Machine Tool Technology – Diploma – Machinist (45-49 credits)

Name _____ Empl ID# _____

Madisonville
Advising Plan

2009
-2010

General Education and Technical Core Requirements

Courses	Hrs	Grade	Semester
Area 1 = Writing/Accessing Information <u>or</u> Oral Communications <u>or</u> Humanities <u>or</u> Heritage	3		
Area 2 = MT 115 Technical Mathematics <u>or</u> MT 125 Technical Algebra and Trigonometry <u>or</u> higher level	3		
Area 3 = Computer Literacy course <u>or</u> skill demonstrated by competency exam	0-3		
MTT 114 Fundamentals of Machine Tools <u>or</u> (MTT 110 Fundamentals of Machine Tool A) and (MTT 112 Fundamentals of Machine Tool B)	7 (3) (4)		
MTT 118 Metrology/Control Charts	3		
MTT 124 Applied Machining <u>or</u> (MTT 120 Applied Machining I) and (MTT 122 Applied Machining II)	7 (3) (4)		
MTT 134 Manual Programming/CAD/CAM/CNC <u>or</u> (MTT 130 Manual Programming) and (MTT 132 CAD/CAM/CNC)	6 (3) (3)		
MTT 214 Industrial Machining <u>or</u> (MTT 210 Industrial Machining I and (MTT 212 Industrial Machining II)	7 (3) (4)		
MTT 224 Advanced Industrial Machining <u>or</u> (MTT 220 Advanced Industrial Machining I) and (MTT 222 Advanced Industrial Machining II)	6 (4) (2)		
BRX 112 Blueprint Reading for Machinist <u>or</u> (BRX 110 Basic Blueprint Reading for Machinists) and (BRX 210 Mechanical Blueprint Reading)	4 (2) (2)		
Electives (General Education or Technical)	2-3		

Machinist Diploma Total Credits: 45-49 hours

Students must achieve a minimum grade of "C" in BRX and MTT courses.

Students may take BRX 110, MTT 114, MTT 118, MTT 124, MTT 134 with RDG 030 placement. These classes may be taken concurrently.

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Machine Tool Technology – Diplomas

_____ **Machinist Option (45-49 credits)**

_____ **CNC Machinist Option (60-64 credits)**

***SAMPLE SCHEDULING PLAN - MACHINIST OPTION	
<p><u>First Fall Semester</u> MTT 110 (4 credits) MTT 112 (3 credits) MT 125 (3 credits) BRX 110 (2 credits) Computer Literacy ** (0-3 credits)</p> <p><i>Total: 12-15 credits</i></p>	<p><u>Second Fall Semester</u> MTT 214 (7 credits) MTT 224 (6 credits) TEC 200 <u>or</u> ENG 101 <u>or</u> COM 181 <u>or</u> COM 252 (3 credits) Electives (2-3 credits)</p> <p><i>Total: 18-19 credits</i></p>
<p><u>First Spring Semester</u> MTT 124 (7 credits) MTT 130 (3 credits) BRX 210 (2 credits) MTT 118 (3 credits)</p> <p><i>Total: 15 credits</i></p>	
***SAMPLE SCHEDULING PLAN - CNC MACHINIST OPTION	
<p><u>First Fall Semester</u> MTT 110 (4 credits) MTT 112 (7 credits) Mathematics course (3 credits) BRX 110 (2 credits) Computer Literacy** (0-3 credits)</p> <p><i>Total: 12-15 credits</i></p>	<p><u>Second Fall Semester</u> MTT 214 (7 credits) MTT 224 (6 credits) MTT 132 (3 credits) Electives (2-3 credit)</p> <p><i>Total: 18-19 credits</i></p>
<p><u>First Spring Semester</u> MTT 124 (7 credits) MTT 130 (3 credits) MTT 118 (3 credits) BRX 210 (2 credits)</p> <p><i>Total: 15 credits</i></p>	<p><u>Second Spring Semester</u> MTT 230 (6 credits) MTT 240 (6 credits) TEC 200 <u>or</u> ENG 101 <u>or</u> COM 181 <u>or</u> COM 252 (3 credits)</p> <p><i>Total: 15 credits</i></p>
<p><u>Program Coordinator's Notes:</u></p> <p>*** <u>Sample schedule only.</u> Student's schedule each semester may vary depending upon the selection of courses to meet technical requirements.</p> <p>Students may take BRX 110, MTT 114, MTT 118, MTT 124, MTT 130 & MTT 132 or MTT 134 with RDG 030 placement. These classes may be taken <u>concurrently</u>.</p> <p>**Computer Literacy must be demonstrated by competency exam or by completing computer literacy course (CIS 100, IT 100 <u>OR</u> CIT 105).</p>	