

Machine Tool Technology – Diploma – CNC Machinist (60-64 credits)

Name _____ Empl ID# _____

Madisonville
Advising Plan

2009
-2010

General Education and Technical Core Requirements

Course	Hrs	Grade	Semester
Area 1 = Writing/Accessing Information <u>or</u> Humanities <u>or</u> Heritage <u>or</u> Oral Communications	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)		
MTT 230 Conversational Programming <u>or</u> (MTT 2301 Intro to Conversational Programming and (MTT 2302 Conversational Editing and Subroutines)	6 (3) (3)		
MTT 240 Introduction to 3-D Programming <u>or</u> (MTT 2401 Intro to 3-D Code Seq & Tool Path Product) and (MTT 2402 Adv 3-D Code Seq & Macro Systems)	6 (3) (3)		
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		

CNC Machinist Diploma Total Credits: 60-64 hours

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

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

Program Coordinator: Ronnie Birdsong
270-824-1756 email: ronnie.d.birdsong@kctcs.edu

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>	