

# Machine Tool Technology – Associate in Applied Science (69-74 credits)

Name \_\_\_\_\_ Empl ID# \_\_\_\_\_

**Madisonville**  
Advising Plan

2009  
-2010

## Technical Core Courses

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

Course	Hrs	Grade	Semester
MTT 110 Fundamentals of Machine Tool A <b>and</b> MTT 112 Fundamentals of Machine Tool B <b>or</b> (MTT 114 Fundamentals of Machine Tools)	3 4 (7)		
MTT 118 Metrology/Control Charts	3		
MTT 120 Applied Machining I <b>and</b> MTT 122 Applied Machining II <b>or</b> (MTT 124 Applied Machining)	3 4 (7)		
MTT 130 Manual Programming <b>and</b> MTT 132 CAD/CAM/CNC <b>or</b> (MTT 134 Manual Programming/CAD/CAM/CNC) <b>or</b> (MTT 138 Intro to Programming and CNC Machines)	3 3 (6) (6)		
MTT 210 Industrial Machining I <b>and</b> MTT 212 Industrial Machining II <b>or</b> (MTT 214 Industrial Machining)	3 4 (7)		
MTT 220 Advanced Industrial Machining I <b>and</b> MTT 222 Advanced Industrial Machining II <b>or</b> (MTT 224 Advanced Industrial Machining)	4 2 (6)		
MTT 2301 Intro to Conversational Programming <b>and</b> MTT 2302 Conversational Editing & Subroutines <b>or</b> (MTT 230 Conversational Programming) <b>or</b> (MTT 234 CNC Machines & Coding Practices)	3 3 (6) (6)		
MTT 2401 Intro to 3-d Code Seq. & Tool Path Production <b>and</b> MTT 2402 Advanced 3-D Code Seq. & Macro Systems <b>or</b> (MTT 240 Introduction to 3-D Programming) <b>or</b> (MTT 244 Advance Programming/Setup Practices)	3 3 (6) (6)		
BRX 110 Basic Blueprint Reading for Machinists <b>and</b> BRX 210 Mechanical Blueprint Reading <b>or</b> (BRX 112 Blueprint Reading for Machinist)	2 2 (4)		

**Subtotal Credits: 52 hours**

Technical courses -BRX 110, MTT 114, MTT 118, MTT 124, MTT 130 & MTT 132 or MTT 134 – may be taken concurrently with RDG 030.

## General Education Requirements

Course	Hrs	Grade	Semester
ENG 101 Writing I	3		
MT 115 Technical Mathematics <b>or</b> MT 125 Technical Algebra & Trigonometry <b>or</b> higher level course	3		
Computer Literacy course or skill demonstration by competency exam	0-3		
Social Interaction	3		
Science	3		
Heritage/Humanities	3-4		
General Education or Technical Electives	2-3		

**Subtotal Credits: 17-22 hours**

**Program Coordinator: Ronnie Birdsong**  
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***SAMPLE SCHEDULING PLAN	
<p><u>First Fall Semester</u>                      MTT 110 (3 credits)      MTT 112 (4 credits)                      MTT 118 (3 credits)      BRX 110 (2 credits)                      MT 125 (3 credits)                      Computer Literacy** (0-3 credits)</p> <p><i>Total: 15-18 credits</i></p>	<p><u>Second Fall Semester</u>                      MTT 214 (7 credits)                      MTT 230 (6 credits)                      Science course (3 credits)</p> <p><i>Total: 16 credits</i></p>
<p><u>First Spring Semester</u>                      MTT 124 (7 credits)                      MTT 130 (3 credits)      MTT 132 (3 credits)                      ENG 101 (3 credits)      BRX 210 (2 credits)</p> <p><i>Total: 18 credits</i></p>	<p><u>Second Spring Semester</u>                      MTT 224 (6 credits)      MTT 240 (6 credits)                      Social Interaction course (3 credits)                      Heritage/Humanities/Foreign Language course (3-4 credits)</p> <p><i>Total: 18-19 credits</i></p>
<p><u>First Summer Semester</u>                      Electives (2-3 credits)</p> <p><i>Total: 2- 3 credits</i></p>	
<p><b><u>Program Coordinator’s Notes:</u></b></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 &amp; 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 a computer literacy course (CIS 100, IT 100 <u>OR</u> IT 105).</p>	