

MFT (Recommended/Approved Technical Electives) Prefix & Number - IDM, CAD, and EET													
THE MFT TECHNICIAN SHALL BE ABLE TO:	IDM 112	IDM 122	IDM 114	IDM 220	WLDT 115	GT 106	GT107	MFT 290, 291, 292	EET 235	IMW 114	DT 206	EET 242	EET 290
demonstrate use of common manufacturing terminology.	E/R	E/R	E/R	E/R	E/R			E/R	E/R	E/R	E/R	E/R	E/R
demonstrate use of measuring tools.	E/R	E/R	E/R	E/R	E/R			E/R		E/R	E/R	E/R	E/R
read and interpret drawings as they relate to students specific concentration.	E/R	E/R	E/R	E/R	E/R						E/R	E/R	E/R
interact with fellow students t solve problems and work on group projects.	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R
use oral and written communication to interpret drawings as they relate to the students concentration.	E/R	E/R	E/R	E/R	E/R						E/R	E/R	E/R
maintain a safe working environment/conditions and respond as needed in a medical emergency.	E/R	E/R	E/R	E/R	E/R						E/R	E/R	E/R
incorporate and demonstrate common competencies (math, reading, writing, computer competency, and civil and social awareness) as they relate to students area of concentration.	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R	E/R
demonstrate ability to operate machine lathe, vertical mill, surface grinder, drills, grinders and other common components typically found in machine shops.	E/R	E/R	E/R	E/R	E/R			E/R					
create a project within specification by using machining processeS.	E/R	E/R	E/R	E/R	E/R								
demonstrate the steps necessary to create, modify, and revise drawings using a computer aided drafting application.											E/R		
communicate pictorially.											E/R		
create 2 Dimensional multiview drawings from 3 Dimensional objects/pictorial projections using basic drafting techniques.											E/R		
incorporate ANSI (American National Standards)/ASME (American Society for Mechanical Engineers) standards.											E/R		
use test equipment and tools commonly utilized by electrical technicians.												E/R	E/R
analyze and interpret schematic, wiring, and logic diagrams.											E/R	E/R	E/R
utilize diagrams, drawings, and technical manuals to troubleshoot electrical and electronic circuits and systems.											E/R	E/R	E/R
define and use electrical terminology.											E/R	E/R	E/R
design, construct, and test basic electrical and electronic circuits.											E/R	E/R	E/R

Submitted by: Shauna Scribner
Division: Math and Science
Date Reviewed: 2-8-05
Status: Approved

I = Introduced
E = Emphasized
R = Reinforced