Career-Technical Education Advanced Technical Certificate Degree Plan
PRECISION MANUFACTURING TECH. PROGRAM CHECK SHEET | MATO Major | CIP Code: 48.0501

Precision Manufacturing and Machining is a program of study that instructs its students in making computation relating to working dimensions, tooling, feeds, and speeds of machinery. Instruction in the laboratory is provided in the use of lathes, shapers, milling machine, grinders; the use of precision measuring instruments such as layout tools, micrometers, and gauges; methods of machining and heat treating and testing of various metals; and the reading of blueprint parts. Advanced training is available in technical mathematics, mechanical drawing, industrial psychology, safety, and shop management.

Admission Requirements

Students must submit a composite score of 14 or higher on the ACT. Students who do not have an ACT score, must score at the 9th grade level or higher on the TABE, Form 9/10. Exceptions may be made with instructor permission for students who do not meet entrance requirements.

REQUIRED COURSES:		Prev. Taken	FALL 20___	SPRING 20___	FALL 20___	SPRING 20___
FIRST SEMESTER FRESHMAN						
MST 1613 Precision Layout	3 hrs.					
MST 1114 Power Machinery I	4 hrs.					
DDT 1163 Engineering Graphics	3 hrs.					
DDT 1313 Computer Aided Design I	3 hrs.					
DDT 1513 Blueprint Reading	3 hrs.					
SECOND SEMESTER FRESHMAN						
MST 1124 Power Machinery II	4 hrs.					
MST 1423 Advanced Blueprint Reading	3 hrs.					
MST 1313 Machine Tool Math	3 hrs.					
MST 2714 Computer Numerical Control Opr. I	4 hrs.					
FIRST SEMESTER SOPHOMORE						
MST 2134 Power Machinery III	4 hrs.					
MST 2144 Power Machinery IV	4 hrs.					
MST 2724 Computer Numerical Control Opr. II	4 hrs.					
DDT 1173 Mechanical Design I	3 hrs.					
RECOMMENDED ELECTIVES (WITH INSTRUCTOR PERMISSION):						
MST 291 (1-3) Special Problems	1-3 hrs.					
TOTAL HOURS:	*45 HRS.*					
NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.	**Total Hours 45**					
	Advisor Initials					
	Date					