



PRECISION MACHINING TECHNOLOGY

Certificate (C)

Advising Sheet – Suggested Course Sequence

Student Name _____

Faculty Advisor _____

REQUIRED COURSES	CR	PRE-REQUISITE COURSES	APPROVED COURSE SUBSTITUTIONS	TERM THAT I PLAN TO TAKE OR √ TAKEN
SDV 100 College Success Skills	1			
ENG 115 Technical Writing	3	See Placement Requirements	ENG 111	
MTH 103 Applied Technical Mathematics	3	See Placement Requirements	MTH 157, MTH 158, MTH 163, MTH 270	
MAC 161 Machine Shop Practices I <i>Offered Fall Only</i>	3			
MAC 162 Machine Shop Practices II <i>Offered Spring Only</i>	3	MAC 161		
MAC 163 Machine Shop Practices III <i>Offered Fall Only</i>	3	MAC161 & MAC 162		
MAC 164 Machine Shop Practices IV <i>Offered Spring Only</i>	3	Mac 161, MAC 162 & MAC 163		
MILESTONE: Basic Precision Machining Technology Career Studies Certificate (See faculty advisor)				
MAC 181 Machine Blueprint Reading I	3			
MAC 121 Computer Numerical Control I <i>Offered Spring Only</i>	3			
MAC 122 Computer Numerical Control II <i>Offered Fall Only</i>	3	MAC 121		
MAC 123 Computer Numerical Control III <i>Offered Spring Only</i>	3	MAC 121 & MAC 122		
MAC 130 Introduction to Electric Discharge Machining (EDM) <i>Offered Fall Only</i>	2	MAC 121		
MAC 134 CMM Operation and Programming <i>Offered Fall Only</i>	2	MAC 121		
MAC 150 Introduction to Computer-Aided Manufacturing <i>Offered Spring Only</i>	3	MAC 121		
MILESTONE: Computer Numerical Control Career Studies Certificate (See faculty advisor)				
Precision Machining Technology Elective <i>Offered Spring Only</i>	3	MAC 161 & MAC 162	See Note 2	
MILESTONE: Earn NIMS Level 1 Certifications				
PSY 126 Psychology of Business & Industry	3		PSY 200	
Total Minimum Credits to Complete	44			

NOTES:

- Students are strongly encouraged to complete their SDV, ENG, and MTH requirements first.
- The Precision Machining Technology elective requirement may be satisfied by a three-credit course with any of the following prefixes: MAC 195 NIMS Level I Review and MAC 295 Industry Certification.
- Related Career Studies Certificates (CSC) – Basic Precision Machining Technology and Computer Numerical Control
- Students should regularly meet with their faculty advisor and check their advisement report in MyTyler – SIS.
- Courses noted as Fall only or Spring only are based on historical trends and current planning and may change without notice.