



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 Test Scores	ENG 111	
MTH 103 Applied Technical Mathematics	3	See Placement Test Scores	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**
1. Students are strongly encouraged to complete their SDV, ENG, and MTH requirements first.
 2. 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.
 3. Related Career Studies Certificates (CSC) – Basic Precision Machining Technology and Computer Numerical Control
 4. Students should regularly meet with their faculty advisor and check their advisement report in MyTyler – SIS.
 5. Courses noted as Fall only or Spring only are based on historical trends and current planning and may change without notice.

For more information on this major, contact the Division of Engineering, Business and Public Services. 804.706.5121 (Chester Campus, Godwin Hall, G108) or 804.594.1480 (Midlothian Campus, Hamel Hall, H206).