

Machining Technology – Machining Emphasis

P_AAS_MT1

64

CAMPUS
CC

Fall and Spring Start

First Semester: Fall or Spring Start

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
CIS 118 or CSC 105	Introduction to PC Applications (Recommended) or Computer Literacy	3	
MAC 100	Machine Shop Safety	1	
MAC 101	Introduction to Machine Shop	3	MAC 100 or concurrent enrollment
MAC 102 or CAD 100	Print Reading for Machinists or Print Reading for Computer Aided Drafting	3	
MTE 130	Metrology	3	
		Total	13

Second Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
COM 225	Organizational Communication	3	CCR 092 or placement scores
MAC 110	Introduction to Engine Lathe	3	MAC 101, MAC 102 or CAD 100 or concurrent enrollment
MAC 120	Introduction to Milling Machine	3	MAC 101, MAC 102 or CAD 100 or concurrent enrollment
MAC 240	CAD/CAM 2D (First Bi-semester)	3	MAC 101
MAC 241	CAD/CAM 2D Lab (Second Bi-semester)	3	MAC 101, MAC 240
MAT 107 or higher	Career Math or a higher MAT Course	3	MAT 050 or placement scores
		Total	18

Third Semester: Fall

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
ENG 131 or higher	Technical Writing or higher ENG Course	3	CCR 092 or placement scores
MAC 111	Intermediate Engine Lathe	3	MAC 110
MAC 121	Intermediate Milling Machine	3	MAC 120
MAC 245	CAD/CAM 3D (First Bi-semester)	3	MAC 101, MAC 240, and MAC 241
MAC 246	CAD/CAM 3D Lab (Second Bi-semester)	3	MAC 245
MAC 252	Practical Metallurgy	3	MAC 101 or concurrent enrollment
		Total	18

Fourth Semester: Spring

Course Code	Course Name	Credit Hours	Course Pre-/Co-Req
COM 125	Interpersonal Communication (Recommended Elective)	3	CCR 092 or placement scores
MAC 112	Advanced Engine Lathe	3	MAC 111
MAC 122	Advanced Milling Machine Operations	3	MAC 121
MAC 205	Introduction to CNC Milling Operations (First Bi-semester)	3	MAC 240 and MAC 241
MAC 206	CNC Milling Operations 2 (Second Bi-semester)	3	MAC 205, MAC 240, and MAC 241
		Total	15

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