

Precision Machining CIP # 480501 (Machine Tool Technology/Technician)

NYSED CTE Approved for Endorsement - June 2020

***Students are required to take ½ credit of the NYSED mandated Career & Financial Management (CFM) curriculum (Course #CF01G)) and a ½ credit of the CTE course specific CFM curriculum (Course #CF02G)).**

Grade	Course #	Units Taught	Hours of Instruction	NGLS ELA
10	AM02M	1 Safety	8	9-10R1,RST1,RST2, RST4,RST7
		2 Machine Calculations	12	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		3 Measurement - Semi Precision	31	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		4 Handtools	20	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		5 Offhand Grinding	18	RST1-2,RST4,RST7,WHST5-7
		6 Bandsaws - Vertical Horizontal	14	RST1-2,RST4,RST7,WHST5-7,9-10SL1
		7 Layout/Benchwork	32	9-10RI, RST., RST2, RST3, RST7
		8 Drill Press	42	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		9 Basic Blueprint Reading	40	RST1,RST4,RST 7,RST9,WHST5, WHST6, WHST7
		10 Projects	53	9-10R1,RST1,RST2, RST4,RST7
		Total	270	
11	AM03M	1 Metal Working Safety	8	11-12R1,RST1-3,RST7
		2 Machinist Calculations	20	RST1-2,RST4-5,RST7, WHST5-6,WHST,11-12SL1
		3 Precision Measurement	48	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		4 Layout/Benchwork	15	11-12R1,RST1-3,RST7
		5 Lathe- Safety	6	RST1-2,RST4,RST7,WHST5-7
		6 Lathe - Types of Machines and Parts	19	RST1-2,RST4-5,RST7, WHST5-6,WHST,11-12SL1
		7 Lathe - Workholding Devices	16	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		8 Lathe - Tools and Toolholders	14	11-12R1,RST1-3,RST7
		9 Lathe - Machining Operations	24	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		10 Turning Projects	74	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		11 Reading Engineering Drawings	26	RST1,RST4,RST 7,RST9,WHST5, WHST6, WHST7
		Total	270	
12	AM04M	1 Mills - Safety	15	11-12R1,RST1-3,RST7
		2 Mills -Intro	15	RST1-2,RST4,RST7,WHST5-7
		3 Mills - Workholding Devices	32	RST1-2,RST4-5,RST7, WHST5-6,WHST,11-12SL1
		4 Mills- Tools and Toolholding	15	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		5 Mills - Milling Operations	56	RST1-2,RST4,RST7,WHST5-7
		6 Mill Projects	75	RST1, RST4, RST 7, WHST5, WHST6, WHST7
		7 CNC Machining Introduction	62	RST1, RST4, RST 7, WHST5, WHST6, WHST7
				Total