



**Pioneer Technology Center Career Major
Required Courses**

Precision Machining Career Majors and Required Courses

Pathway

MTT03	CM CNC Manufacturing Technician	1050
MTT13	CNC Operations	60
MTT14	CNC Programming	60
MTT17	Engine Lathe Operations	75
MTT18	Fundamentals of Manufacturing	45
MTT19	Introduction to Quality Control	60
MTT20	Machine Tool Theory	45
MTT21	Metal Preparation for Processing	45
MTT22	Milling Operations	75
MTT24	Precision Measurement	45
MTT25	Precision Grinding	45
MTT26	Print Reading for Machining	45
MTT28	CNC Production Applications	60
MTT29	CNC Milling Production Applications	90
MTT31	Milling Production Applications	120
MTT32	Engine Lathe Production Applications	120
MTT40	Career Readiness	60

MN002 - Production
CNC Machining
Renewed FY22

CIP - 48.0510

SOC Code - 51-4011

CERT - 2801 - CNC Machining Center Operator, 2802 - Drill Press Operator, 2803 - Lathe Operator; WorkKeys Career Readiness Certificate, 2902 CNC Turning: Operations - NIMS, 2903 CNC Milling: Operations - NIMS, 2908 Job Planning, Benchwork, & Layout - NIMS, 2909 Measurement, Materials & Safety - NIMS

MTT30	CM Advanced CNC Machinist	1230
MTT11	CNC Lathe Operations	90
MTT12	CNC Milling Operations	90
MTT13	CNC Operations	60
MTT14	CNC Programming	60
MTT15	CNC Setup	105
MTT16	Computer-Aided Machining	120
MTT20	Machine Tool Theory	45
MTT23	Orientation to Machining	30
MTT24	Precision Measurement	45
MTT26	Print Reading for Machining	45
MTT33	Advanced Print Reading for Machining	45
MTT34	Advanced Precision Measurement	45
MTT35	Advanced Machine Tool Theory	75
MTT36	Advanced CNC Operations	90
MTT37	Advanced CNC Setup	105
MTT38	Advanced CNC Programming	150
MTT39	Career Readiness	30

PATHWAY

MN002 - Production
CNC Machining
Renewed FY22

CIP - 48.0510

SOC Code - 51-4011

CERT - 2801 - CNC Machining Center Operator, 2802 - Drill Press Operator, 2803 - Lathe Operator; WorkKeys Career Readiness Certificate