



Curriculum Evaluation

CNC Machining

Certificate of Program Completion (Catalog Year: 2018, Required Hours: 960)

Core - Program Certificate(s) Available (660 hours required)

<i>Manual Machinist (660 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
MACH 0000	CNC Machining Orientation	0.00	1	
MACH 1001	Machining Introduction	90.00	19	
MACH 1051	Blueprint Reading	30.00	6	
MACH 1056	Blueprint Reading for Machinists	30.00	6	
MACH 2080	Surface Plate Inspection Techniques	30.00	6	MACH 1051, MACH 1056
MACH 1013	Lathe Operations I	90.00	11	MACH 1001, MACH 1051, MACH 1056
MACH 1023	Vertical Mill Operations I	90.00	8	
MACH 1033	CNC Operations I	120.00	1	MACH 1013, MACH 1023
MACH 2025	Lathe Operations II	60.00	6	MACH 1013
MACH 2035	Vertical Mill Operations II	60.00	7	MACH 1023
WWSK 1400	Workplace Relations	60.00	12	

Electives (300 hours required)

<i>CNC Machining (300 hours required)</i>		Hours	Modules	Prerequisite Course Number(s)
MACH 1040	Machinist Math	60.00	4	
MACH 2005	Manual CNC Programming	60.00	12	MACH 1040
MACH 1073	CNC Operations III	90.00	11	MACH 1072
MACH 1074	CNC Operations IV	90.00	9	MACH 1072, MACH 2540, MACH 2005
MACH 2885	CNC Machining Projects I	60.00	1	
MACH 2890	CNC Machining Projects II	30.00	1	
MACH 2530	CAM I	90.00	1	
DRFT 1076	3D Parametric Solid Modeling: Basic SolidWorks	90.00	11	
MACH 2540	CAD/CAM Advanced	60.00	5	MACH 2520, DRFT 1076, MACH 1080
MACH 2610	Mazatrol Programming	60.00	7	
MACH 2170	CNC Operations II (EZPath Lathe)	45.00	1	
MACH 2175	CNC Operations II (EZTrak Mill)	45.00	1	
MACH 2050	Precision Machining Projects	90.00	5	
MACH 1061	Geometric Dimensioning and Tolerancing I	45.00	1	MACH 1056
MACH 2950	CNC Machinist Externship	90.00	1	