



Davis Applied Technology College

A UCAT Campus
 550 E 300 S, Kaysville 84037
 Phone: 593-2500



Curriculum Evaluation - Machine Tool Technology

DATC Certificate of Program Completion (Catalog Year: 2012, Required Hours: 1470)

Core (1020 hours required)

<i>Machine Tool Technology (870 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
BTEC 1121_	Operating System Fundamentals Vista	30	1	No	
MACH 1045	Machining Introduction	60	16	No	
MACH 1025	Machinist Math I	30	1	No	
MACH 1040	Machinist Math II	60	5	No	
DRFT 1045_	Blueprint Reading	30	5	No	
DRFT 1055_	Blueprint Reading for Machinists	15	1	No	
MACH 2080	Surface Plate Inspection Techniques	30	6	No	
MACH 1060	Geometric Dimensioning and Tolerancing I	60	5	No	
MACH 1010	Lathe Operations I	90	13	No	
MACH 2025	Lathe Operations II	60	6	Yes	MACH 2520
MACH 1020	Vertical Mill Operations I	90	8	No	
MACH 2035	Vertical Mill Operations II	60	8	Yes	MACH 1020
MACH 1070	CNC Operations	240	9	No	
MACH 1080	CAD/CAM Beginning	60	11	No	
WKSK 1400_	Workplace Relations (Program Based)	60	6	No	
WKSK 1500_	Job Seeking Skills (Program Based)	30	5	No	

Elective (450 hours required)

<i>Machine Tool Technology (CNC Machinist) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
MACH 2010	Bridgeport EZ-TRAK Mill Programming	30	10	No	
MACH 2020	Bridgeport EZ-PATH Lathe Programming	30	10	No	
MACH 2600	Mazatrol Programming	30	10	No	
MACH 2015	Introduction to Manual CNC Programming	30	10	No	
MACH 2005	Manual CNC Programming	60	6	Yes	MACH 2015
MACH 2100	Geometric Dimensioning and Tolerancing II (GD&TII)	60	5	Yes	MACH 1060
MACH 2840	Statistical Process Control (SPC)	30	1	No	
MACH 2880	CNC Machining Projects	120	12	No	

<i>Machine Tool Technology (CNC Programmer) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
MACH 2010	Bridgeport EZ-TRAK Mill Programming	30	10	No	
MACH 2020	Bridgeport EZ-PATH Lathe Programming	30	10	No	
MACH 2600	Mazatrol Programming	30	10	No	
MACH 2100	Geometric Dimensioning and Tolerancing II (GD&TII)	60	5	Yes	MACH 1060
MACH 2015	Introduction to Manual CNC Programming	30	10	No	
MACH 2005	Manual CNC Programming	60	6	Yes	MACH 2015
MACH 2420	CNC Program Applications	60	6	Yes	MACH 2005
MACH 2520	CAD/CAM Intermediate	60	10	Yes	MACH 1080
MACH 2540	CAD/CAM Advanced	60	9	Yes	MACH 2520
MACH 2840	Statistical Process Control (SPC)	30	1	No	

<i>Machine Tool Technology (Manual Machinist) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
--	--	-------	---------	--------------	-------------------------------

MACH 2010	Bridgeport EZ-TRAK Mill Programming	30	10	No	
MACH 2020	Bridgeport EZ-PATH Lathe Programming	30	10	No	
MACH 2030	Precision Machining - Surface Grinder	60	10	No	
MACH 2040	Electrical Discharge Machine	60	9	No	
MACH 2050	Precision Machining Projects	90	9	No	
<i>Machine Tool Technology (Quality Control and Inspection Specialist) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
MACH 2640	Coordinate Measuring Machine I	30	6	No	
MACH 2060	Optical Comparator	30	7	No	
MACH 2100	Geometric Dimensioning and Tolerancing II (GD&TII)	60	5	Yes	MACH 1060
MACH 2840	Statistical Process Control (SPC)	30	1	No	
MACH 2055	Shop Floor Inspector	60	7	No	
<i>Machine Tool Technology (Additional Electives) (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
MACH 2905	Practical Applications	120	12	No	
Skill Development-Not Req (0 hours required)					
<i>Machine Tool Technology (0 hours required)</i>		Hours	Modules	Prerequisite	Prerequisite Course Number(s)
FUND 0050	Keyboarding Skills	90	7	No	
FUND 0065	Computer Skills	30	8	No	
FUND 0070	Spelling Skills	30	2	No	
FUND 0075	Language Skills	90	4	No	
FUND 0080	Reading Skills	90	4	No	
FUND 0085	Math Skills	60	4	No	
FUND 0090	Study Skills	30	5	No	
FUND 0091	Davis School District Technical Tutoring	250	1	No	