



Utah System of Higher Education

The Gateway, Salt Lake City, UT 84101

801-646-4784

Curriculum Evaluation		Machining Technology			
<i>Certificate of Completion (Catalog Year: 2025, Required Hours: 450, Credits: 15)</i>					
Foundational Courses (Required Hours: 450, Credits: 15)					
<i>Foundational Courses (Required Hours: 450, Credits: 15)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1000	Manufacturing Fundamentals	3.00	90.00	0	
TEMT 1200	Lathe Concepts	3.00	90.00	0	
TEMT 1100	Mill Concepts	3.00	90.00	0	
TEMT 1150	CNC Mill Concepts	3.00	90.00	0	
TEMT 1250	CNC Lathe Concepts	3.00	90.00	0	
Supplemental Courses Varies by Institution (Required Hours: 0, Credits: 0)					
<i>Bridgerland (Required Hours: 450, Credits: 15)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1300	CNC Mill Programming	3.00	90.00	0	
TEMT 1350	CNC Lathe Programming	3.00	90.00	0	
TEMT 2000	Process Control	3.00	90.00	0	
TEMT 2100	Advanced CNC Mill	3.00	90.00	0	
TEMT 2200	Advanced CNC Lathe	3.00	90.00	0	
TEMT 2300	Multi-Axis	3.00	90.00	0	
TEMT 2800	Special Applications	3.00	90.00	0	
<i>Davis (Required Hours: 150, Credits: 5)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1020	Machining for Manufacturing	3.00	90.00	0	
TEMT 1160	Vertical Mill Operations	3.00	90.00	0	
TEMT 1205	Lathe Operations	3.00	90.00	0	
TEMT 1360	Mazatrol Programming	3.00	90.00	0	
TEMT 1505	Geometric Dimensioning and Tolerancing	3.00	90.00	0	
TEMT 1550	Inspection Fundamentals	3.00	90.00	0	
TEMT 1570	Advanced Inspection	3.00	90.00	0	
TEMT 1860	Additive Manufacturing	3.00	90.00	0	
TEMT 2130	CNC III	3.00	90.00	0	
TEMT 2150	5th Axis Programming	3.00	90.00	0	
TEMT 2810	Special Projects I	1.00	30.00	0	
TEMT 2820	Special Projects II	2.00	60.00	0	
TEMT 2850	Workplace Management	2.00	60.00	0	
WKSJ 1500	Job Seeking Skills	1.00	30.00	0	
<i>Dixie (Required Hours: 450, Credits: 15)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1010	Career Success	1.00	30.00	0	
TEMT 1300	CNC Mill Programming	3.00	90.00	0	
TEMT 1350	CNC Lathe Programming	3.00	90.00	0	
TEMT 1450	CNC II	6.00	180.00	0	
TEMT 1500	Measuring Analysis	2.00	60.00	0	

<i>Mountainland (Required Hours: 450, Credits: 15)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1050	Advanced Manufacturing Fundamentals	3.00	90.00	0	
TEMT 1300	CNC Mill Programming	3.00	90.00	0	
TEMT 1350	CNC Lathe Programming	3.00	90.00	0	
TEMT 1650	Applied Manual Machining	3.00	90.00	0	
TEMT 2300	Multi-Axis	3.00	90.00	0	
<i>Ogden-Weber (Required Hours: 450, Credits: 15)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1003	CNC Technician Fundamentals	2.00	60.00	0	
TEMT 1015	Machining Concepts	1.00	30.00	0	
TEMT 1120	CNC Mill Basic Operation	1.00	30.00	0	
TEMT 1220	CNC Lathe Basic Operation	1.00	30.00	0	
TEMT 1300	CNC Mill Programming	3.00	90.00	0	
TEMT 1350	CNC Lathe Programming	3.00	90.00	0	
TEMT 1510	Geometric Dimensioning and Tolerancing Basic	1.00	30.00	0	
TEMT 1565	Advanced Print Reading	3.00	90.00	0	
TEMT 2000	Process Control	3.00	90.00	0	
TEMT 2300	Multi-Axis	3.00	90.00	0	
<i>Salt Lake (Required Hours: 90, Credits: 3)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1310	CNC Programming	3.00	90.00	0	
<i>Snow (Required Hours: 90, Credits: 3)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1300	CNC Mill Programming	3.00	90.00	0	
TEMT 1350	CNC Lathe Programming	3.00	90.00	0	
TEMT 1565	Advanced Print Reading	3.00	90.00	0	
TEMT 2000	Process Control	3.00	90.00	0	
TEMT 2300	Multi-Axis	3.00	90.00	0	
<i>USU-Eastern (Required Hours: 450, Credits: 15)</i>		Credits	Hours	Modules	Prerequisite Course Number(s)
TEMT 1300	CNC Mill Programming	3.00	90.00	0	
TEMT 1350	CNC Lathe Programming	3.00	90.00	0	
TEMT 1400	Introduction to CNC Machining	3.00	90.00	0	
TEMT 1565	Advanced Print Reading	3.00	90.00	0	
TEMT 1600	Introduction to Manual Machining	3.00	90.00	0	