Utah System of Higher Education
The Gateway, Salt Lake City, UT 84101
801-646-4784

Machining Technology

Technical Certificate (Catalog Year: 2026)

Foundational Courses (15 Credits / 450 Clock-Hours)

		Credits	Clock-Hours
TEMT 1000	Manufacturing Fundamentals	3	90
TEMT 1100	Mill Concepts	3	90
TEMT 1150	CNC Mill Concepts	3	90
TEMT 1200	Lathe Concepts	3	90
TEMT 1250	CNC Lathe Concepts	3	90

Supplemental Courses Varies by Institution

Bridgerland (15 Credits / 450 Clock-Hours)

		Credits	Clock-Hours
TEMT 1300	CNC Mill Programming	3	90
TEMT 1350	CNC Lathe Programming	3	90
TEMT 2000	Process Control	3	90
TEMT 2100	Advanced CNC Mill	3	90
TEMT 2200	Advanced CNC Lathe	3	90
TEMT 2300	Multi-Axis	3	90
TEMT 2400	Swiss Screw Machine Concepts	3	90

Davis (10 Credits / 300 Clock-Hours)

		Credits	Clock-Hours
TEMT 1020	Machining for Manufacturing	3	90
TEMT 1160	Vertical Mill Operations	3	90
TEMT 1205	Lathe Operations	3	90
TEMT 1360	Mazatrol Programming	3	90
TEMT 1505	Geometric Dimensioning and Tolerancing	3	90
TEMT 1550	Inspection Fundamentals	3	90
TEMT 1570	Advanced Inspection	3	90
TEMT 1860	Additive Manufacturing	3	90
TEMT 2130	CNC III	3	90
TEMT 2150	5th Axis Programming	3	90
TEMT 2810	Special Projects I	1	30
TEMT 2820	Special Projects II	2	60
TEMT 2850	Workplace Management	2	60
WKSK 1500	Job Seeking Skills	1	30

Dixie (15 Credits / 450 Clock-Hours)

		Credits	Clock-Hours
TEMT 1010	Career Success	1	30
TEMT 1300	CNC Mill Programming	3	90

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TEMT 1350	CNC Lathe Programming	3	90
TEMT 1450	CNC II	6	180
TEMT 1500	Measuring Analysis	2	60
Mountainland (15 Credits / 450 Clock-Hours)		Credits	Clock-Hours
TEMT 1050	Advanced Manufacturing Fundamentals	3	90
TEMT 1300	CNC Mill Programming	3	90
TEMT 1350	CNC Lathe Programming	3	90
TEMT 1650	Applied Manual Machining	3	90
TEMT 2300	Multi-Axis	3	90
Ogden-Weber (15 Credits / 450 Clock-Hours)		Credits	Clock-Hours
TEMT 1300	CNC Mill Programming	3	90
TEMT 1350	CNC Lathe Programming	3	90
TEMT 1565	Advanced Print Reading	3	90
TEMT 2000	Process Control	3	90
TEMT 2300	Multi-Axis	3	90
Salt Lake (3 Credits / 90 Clock-Hours)		Credits	Clock-Hours
TEMT 1310	CNC Programming	3	90
Snow (15 Credits / 450 Clock-Hours)		Credits	Clock-Hours
TEMT 1300	CNC Mill Programming	3	90
TEMT 1350	CNC Lathe Programming	3	90
TEMT 1565	Advanced Print Reading	3	90
TEMT 2000	Process Control	3	90
TEMT 2300	Multi-Axis	3	90
USU-Eastern (15 Credits / 450 Clock-Hours)		Credits	Clock-Hours
TEMT 1300	CNC Mill Programming	3	90
TEMT 1350	CNC Lathe Programming	3	90
TEMT 1400	Introduction to CNC Machining	3	90
TEMT 1565	Advanced Print Reading	3	90
TEMT 1600	Introduction to Manual Machining	3	90