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

Composites

Technical Certificate (Catalog Year: 2026)

Foundational Courses (9 Credits / 270 Clock-Hours)

		Credits	Clock-Hours
TECM 1000	Composite Basics	2	60
TECM 1010	Basic Composite Fabrication	2	60
TECM 1100	Advanced Composite Materials	3	90
TECM 1110	CNC Composite Processes	2	60

Supplemental Courses Varies by Institution

Davis (16 Credits / 480 Clock-Hours)

		Credits	Clock-Hours
TECM 1020	Blueprint Reading	1	30
TECM 1120	Composite Repair and Part Finish Introduction	1	30
TECM 1140	Advanced Composite Repair and Part Finish	2	60
TECM 1201	Autoclave and Alternate Processes	2	60
TECM 1300	Lean Manufacturing	1	30
TECM 1400	Introduction to Composite Engineering	2	60
TECM 1410	Carbon Fiber Part Skinning	1	30
TECM 1440	Pattern and Mold Construction	2	60
TECM 1800	Composite Capstone I	1	30
TECM 1810	Composite Capstone II	2	60
TEBP 1100	Digital Literacy	2	60
TEDR 1225	Production Drafting Basics	2	60
WKSK 1400	Workplace Success	2	60
WKSK 1500	Job Seeking Skills	1	30

Ogden-Weber (11 Credits / 330 Clock-Hours)

		Credits	Clock-Hours
TECM 1005	Fundamentals of Composites	2	60
TECM 1020	Blueprint Reading	1	30
TECM 1045	Workplace Relations and Job Seeking Skills for Composites	1	30
TECM 1050	Tools and Measurements	1	30
TECM 1105	Composites Automated Cutting and Kitting	1	30
TECM 1130	Composite Repair	2	60
TECM 1135	Composite Repair II	1	30
TECM 1200	Autoclave Processing	1	30
TECM 1215	Composite Filament Winding	1	30
TECM 1500	NDI Methods for Composites	2	60
TECM 1550	Composite Machining Basics	1	30
TECM 1600	Composite Tool Making and Vacuum Infusion	2	60

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TECM 1820	Composite Projects I	1	30
TECM 1830	Composite Projects II	2	60
TECM 1900	Utah Aerospace Pathways Work-Based Learning	1	45
TECM 1910	Composite Work-Based Learning I	1	45
TECM 1920	Composite Work-Based Learning II	1	45
TECM 1930	Composite Work-Based Learning III	1	45
TEDR 1200	Parametric Solid Modeling	3	90
Snow (11 Credits / 330 Clock-Hours)		Credits	Clock-Hours
TECM 1020	Blueprint Reading	1	30
TECM 1040	Workplace Success	1	30
TECM 1200	Autoclave Processing	1	30
TECM 1210	Filament Winding	2	60
TECM 1220	Quality Assurance	2	60
TECM 1230	Metrology	1	30
TECM 1800	Composite Capstone I	1	30
TECM 1810	Composite Capstone II	2	60