



Utah System of Higher Education

The Gateway, Salt Lake City, UT 84101

801-646-4784

| Curriculum Evaluation | | | | Drafting and Design | | | |
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| <i>Certificate of Completion (Catalog Year: 2025, Required Hours: 480, Credits: 16)</i> | | | | | | | |
| Foundational Courses (Required Hours: 300, Credits: 10) | | | | | | | |
| <i>Foundational Courses (Required Hours: 210, Credits: 7)</i> | | | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1000 | Technical Drafting | 4.00 | 120.00 | 0 | | | |
| TEDR 1010 | Advanced Technical Drafting | 3.00 | 90.00 | 0 | | | |
| <i>Architectural Drafting (Required Hours: 270, Credits: 9)</i> | | | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1100 | Residential Drafting | 3.00 | 90.00 | 0 | | | |
| TEDR 1110 | Introduction to Building Information Modeling | 3.00 | 90.00 | 0 | | | |
| TEDR 2800 | Capstone Project | 3.00 | 90.00 | 0 | | | |
| <i>Mechanical Drafting (Required Hours: 270, Credits: 9)</i> | | | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1200 | Parametric Solid Modeling | 3.00 | 90.00 | 0 | | | |
| TEDR 2200 | Advanced Solid Modeling | 3.00 | 90.00 | 0 | | | |
| TEDR 2800 | Capstone Project | 3.00 | 90.00 | 0 | | | |
| <i>Civil Drafting (Required Hours: 270, Credits: 9)</i> | | | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1130 | Commercial Drafting | 3.00 | 90.00 | 0 | | | |
| TEDR 1300 | Civil Drafting | 3.00 | 90.00 | 0 | | | |
| TEDR 2800 | Capstone Project | 3.00 | 90.00 | 0 | | | |
| Supplemental Courses Varies by Institution (Required Hours: 0, Credits: 0) | | | | | | | |
| <i>Bridgerland (Required Hours: 420, Credits: 14)</i> | | | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1003 | Career and Workplace Relations | 1.00 | 30.00 | 0 | | | |
| TEDR 1015 | Applied Technical Math | 1.00 | 30.00 | 0 | | | |
| TEDR 1020 | Computer Illustration | 2.00 | 60.00 | 0 | | | |
| TEDR 1130 | Commercial Drafting | 3.00 | 90.00 | 0 | | | |
| TEDR 1170 | Structural Steel Detailing | 3.00 | 90.00 | 0 | | | |
| TEDR 1210 | Mechanical Design | 4.00 | 120.00 | 0 | | | |
| TEDR 1220 | Production Drafting | 4.00 | 120.00 | 0 | | | |
| TEDR 1240 | Rapid Prototyping | 1.00 | 30.00 | 0 | | | |
| TEDR 2000 | Portfolio Development | 1.00 | 30.00 | 0 | | | |
| TEDR 2050 | Small Business | 2.00 | 60.00 | 0 | | | |
| TEDR 2110 | Intermediate Architectural Drafting | 4.00 | 120.00 | 0 | | | |
| TEDR 2205 | Solid Modeling Certification | 3.00 | 90.00 | 0 | | | |
| <i>Davis (Required Hours: 420, Credits: 14)</i> | | | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1030 | Materials and Methods I | 2.00 | 60.00 | 0 | | | |
| TEDR 1031 | Materials and Methods II | 2.00 | 60.00 | 0 | | | |
| TEDR 1135 | Commercial Drafting I | 2.00 | 60.00 | 0 | | | |
| TEDR 1136 | Commercial Drafting II | 3.00 | 90.00 | 0 | | | |
| TEDR 1160 | Design Integration | 3.00 | 90.00 | 0 | | | |
| TEDR 1165 | Virtual Design for Construction | 2.00 | 60.00 | 0 | | | |

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| TEDR 1221 | Production Drafting I | 1.00 | 30.00 | 0 | |
| TEDR 1222 | Production Drafting II | 2.00 | 60.00 | 0 | |
| TEDR 1223 | Production Drafting III | 2.00 | 60.00 | 0 | |
| TEDR 1225 | Production Drafting Basics | 2.00 | 60.00 | 0 | |
| TEDR 1230 | Reverse Engineering | 3.00 | 90.00 | 0 | |
| TEDR 1245 | Rapid Prototyping | 2.00 | 60.00 | 0 | |
| Dixie (Required Hours: 420, Credits: 14) | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1015 | Applied Technical Math | 1.00 | 30.00 | 0 | |
| TEDR 1115 | Applied Building Modeling | 3.00 | 90.00 | 0 | |
| TEDR 1150 | Architectural Print Reading | 1.00 | 30.00 | 0 | |
| TEDR 1180 | Residential Construction Documents | 3.00 | 90.00 | 0 | |
| TEDR 1181 | Commercial Construction Documents | 4.00 | 120.00 | 0 | |
| TEDR 1205 | Parametric Applications | 3.00 | 90.00 | 0 | |
| TEDR 1250 | Mechanical Print Reading | 1.00 | 30.00 | 0 | |
| TEDR 1260 | Drafting GD&T, FEA, CAM | 2.00 | 60.00 | 0 | |
| TEDR 2810 | Architectural Special Projects | 2.00 | 60.00 | 0 | |
| Ogden-Weber (Required Hours: 420, Credits: 14) | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1035 | Construction Materials and Methods | 3.00 | 90.00 | 0 | |
| TEDR 1108 | Architectural CAD Modeling Interior Design | 4.00 | 120.00 | 0 | |
| TEDR 1120 | Residential Architectural Design | 4.00 | 120.00 | 0 | |
| TEDR 1125 | Structural Design | 4.00 | 120.00 | 0 | |
| TEDR 1145 | Architectural Rendering | 3.00 | 90.00 | 0 | |
| TEDR 1220 | Production Drafting | 4.00 | 120.00 | 0 | |
| TEDR 1255 | Engineering Drawings | 4.00 | 120.00 | 0 | |
| TEDR 1270 | Metal Processes | 3.00 | 90.00 | 0 | |
| TEDR 1275 | Milling Machining | 3.00 | 90.00 | 0 | |
| TEDR 1280 | Surface Modeling | 2.00 | 60.00 | 0 | |
| TEDR 1310 | Civil Design | 4.00 | 120.00 | 0 | |
| TEDR 1320 | Civil Surveying | 3.00 | 90.00 | 0 | |
| TEDR 1330 | Civil Geographic Information System | 4.00 | 120.00 | 0 | |
| TEDR 2100 | Advanced BIM | 4.00 | 120.00 | 0 | |
| TEDR 2105 | BIM Coordination | 3.00 | 90.00 | 0 | |
| TEDR 2180 | Architectural Standards | 4.00 | 120.00 | 0 | |
| TEDR 2181 | Commercial Standards | 4.00 | 120.00 | 0 | |
| TEDR 2210 | Photoshop for Interior Designers | 3.00 | 90.00 | 0 | |
| TEDR 2220 | Mold Design | 2.00 | 60.00 | 0 | |
| TEDR 2230 | Machine Power Design | 2.00 | 60.00 | 0 | |
| TEDR 2240 | 3D Printing and Advanced Manufacturing | 3.00 | 90.00 | 0 | |
| Salt Lake (Required Hours: 420, Credits: 14) | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1015 | Applied Technical Math | 1.00 | 30.00 | 0 | |
| TEDR 1025 | Introduction to AutoCAD | 3.00 | 90.00 | 0 | |
| TEDR 1210 | Mechanical Design | 4.00 | 120.00 | 0 | |
| TEDR 1310 | Civil Design | 4.00 | 120.00 | 0 | |
| TEDR 1320 | Civil Surveying | 3.00 | 90.00 | 0 | |
| TEDR 1330 | Civil Geographic Information System | 4.00 | 120.00 | 0 | |
| TEDR 1400 | Introduction to Engineering and Design | 3.00 | 90.00 | 0 | |
| TEDR 1410 | Engineering Graphics | 3.00 | 90.00 | 0 | |
| TEDR 1420 | Electronics Drafting | 3.00 | 90.00 | 0 | |

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| TEDR 1425 | Altium Electronic Drafting | 3.00 | 90.00 | 0 | |
| TEDR 1430 | Advanced 3D Modeling | 3.00 | 90.00 | 0 | |
| TEDR 1435 | Product Design Fundamentals 3D Printing | 3.00 | 90.00 | 0 | |
| TEDR 1440 | Schematic Capture | 3.00 | 90.00 | 0 | |
| TEDR 1450 | Robotics in the World | 3.00 | 90.00 | 0 | |
| TEDR 1460 | Geometric Dimensioning and Tolerancing | 3.00 | 90.00 | 0 | |
| TEDR 1470 | Manual Machine Shop | 3.00 | 90.00 | 0 | |
| TEDR 1475 | CNC Programming | 3.00 | 90.00 | 0 | |
| TEDR 1480 | Manufacturing Processes | 3.00 | 90.00 | 0 | |
| TEDR 1490 | Product Design and Development CAD/CAM | 3.00 | 90.00 | 0 | |
| TEDR 2020 | Advanced AutoCAD | 2.00 | 60.00 | 0 | |
| <i>Utah State University - Eastern (Required Hours: 420, Credits: 14)</i> | | Credits | Hours | Modules | Prerequisite Course Number(s) |
| TEDR 1003 | Career and Workplace Relations | 1.00 | 30.00 | 0 | |
| TEDR 1015 | Applied Technical Math | 1.00 | 30.00 | 0 | |
| TEDR 1130 | Commercial Drafting | 3.00 | 90.00 | 0 | |
| TEDR 1220 | Production Drafting | 4.00 | 120.00 | 0 | |
| TEDR 1500 | Construction Site Planning | 2.00 | 60.00 | 0 | |
| TEDR 1510 | Construction Materials, Methods, and Design | 3.00 | 90.00 | 0 | |
| TEDR 1520 | Advanced Design Concepts | 3.00 | 90.00 | 0 | |
| TEDR 1530 | Design for Manufacturing | 3.00 | 90.00 | 0 | |
| TEDR 1540 | Manufacturing Principles | 2.00 | 60.00 | 0 | |