UTAH SYSTEM OF HIGHER EDUCATION

Utah System of Higher Education
Cabinetry (Secondary)
FY2027 / 12 Credits (360 Clock-Hours)

Foundational Courses

TECB 1005 Woodworking — 2 Credits / 60 Clock-Hours

Learn basic math measuring concepts. Discover basic concepts in design, joinery, finishes, hardware, and complete cabinet construction. Safety will be stressed with every concept.

Objectives:
- Demonstrate construction math.
- Design planning and estimating.
- Demonstrate knowledge of abrasives and finishes.
- Demonstrate cabinet construction.
- Demonstrate safety.
- Demonstrate knowledge of joinery, fasteners and adhesives.
- Demonstrate cabinet hardware installation.

TECB 1015 Furniture Design I — 2 Credits / 60 Clock-Hours

Safely design, plan, and estimate a complete cabinet project of choice. Study and work through completing the project using the processes of joinery, abrasives and finishes, hardware installation, cabinet construction, and moldings and millwork.

Objectives:
- Demonstrate construction math.
- Demonstrate design planning and estimating.
- Demonstrate knowledge of abrasives and finishes.
- Demonstrate cabinet construction.
- Demonstrate safety.
- Demonstrate knowledge of joinery, fasteners and adhesives.
- Demonstrate cabinet hardware installation.
- Demonstrate moldings and millworks.

TECB 1025 Furniture Design II — 2 Credits / 60 Clock-Hours

Safely design, plan, and estimate a complete cabinet or furniture project of choice. Develop level II skills in cabinet making through continued use of the process joinery, abrasives and finishes, hardware installation, cabinet construction, and moldings and millwork.

Objectives:
- Demonstrate construction math – Level II.
- Design planning and estimating – Level II.
- Demonstrate knowledge of abrasives and finishes – Level II.
- Demonstrate cabinet construction – Level II.
- Demonstrate safety- Level II.
- Demonstrate knowledge of joinery, fasteners and adhesives – Level II.
- Demonstrate cabinet hardware installation – Level II.
- Demonstrate moldings and millworks – Level II.

TECB 1035 Furniture Design III **2 Credits / 60 Clock-Hours**

Safely design, plan, and estimate a complete cabinet or furniture project of choice. Develop level III skills in cabinet making through continued use of the process joinery, abrasives and finishes, hardware installation, cabinet construction, and moldings and millwork.

Objectives:
• Demonstrate construction math – Level III.
• Design planning and estimating – Level III.
• Demonstrate knowledge of abrasives and finishes – Level III.
• Demonstrate cabinet construction – Level III.
• Demonstrate safety- Level III.
• Demonstrate knowledge of joinery, fasteners and adhesives – Level III.
• Demonstrate cabinet hardware installation – Level III.
• Demonstrate moldings and millworks – Level III.

TECB 1045 Furniture Design IV **2 Credits / 60 Clock-Hours**

Safely design, plan, and estimate a complete cabinet or furniture project of choice. Develop level IV skills in cabinet making through continued use of the process joinery, abrasives and finishes, hardware installation, cabinet construction, and moldings and millwork.
Objectives:
• Demonstrate construction math – Level IV.
• Design planning and estimating – Level IV.
• Demonstrate knowledge of abrasives and finishes – Level IV.
• Demonstrate cabinet construction – Level IV.
• Demonstrate safety- Level IV.
• Demonstrate knowledge of joinery, fasteners and adhesives – Level IV.
• Demonstrate cabinet hardware installation – Level IV.
• Demonstrate moldings and millworks – Level IV.

TECB 1055 Furniture Design V **2 Credits / 60 Clock-Hours**

Safely design, plan, and estimate a complete cabinet or furniture project of choice. Develop advance level V skills in cabinet making through continued use of the process joinery, abrasives and finishes, hardware installation, cabinet construction, and moldings and millwork.

Objectives:
• Demonstrate construction math – Level V.
• Design planning and estimating – Level V.
• Demonstrate knowledge of abrasives and finishes – Level V.
• Demonstrate cabinet construction – Level V.
• Demonstrate safety- Level V.
• Demonstrate knowledge of joinery, fasteners and adhesives – Level V.
• Demonstrate cabinet hardware installation – Level V.
• Demonstrate moldings and millworks – Level V.