WOODWORKING MANUFACTURING TECHNOLOGIES: CABINETMAKING (CERT)

CERTIFICATE OF ACHIEVEMENT

The Cabinetmaking program option prepares students for employment in the woodworking industry, primarily in cabinet shops. Through courses focusing on different forms of cabinetmaking, including face frame, frameless, and CNC, students learn how to use traditional woodworking machinery, hand tools, and CNC machines. Core topics include CNC and cabinetmaking, as well as design. Electives include wood finishing, veneering, and running a woodworking business. Graduates are employed as cabinetmakers, general woodworkers, CNC operators, or are self-employed. Spatial intelligence, cognitive ability, and hand-eye coordination are recommended for those entering the program.

Program Student Learning Outcomes

- Students build a face frame or frameless cabinet project to meet the requirements of specified planning documents.
- Students select and install base, case, and crown moldings.
- Students use computer software to create planning documents for cabinet making.
- Students work as a team, designing, building, and installing a cabinet or millwork project.
- Students install a face frame or frameless cabinet and scribe it to the wall.
- Students design and construct a cabinet using traditional woodworking and CNC machines.

Program Requirements

Code Number	Course Title	Units
Core Courses		
WMT 101	Introduction to Woodworking	3.0
WMT 151	Introduction to Faceframe Cabinetmaking	4.0
or WMT 153	Introduction to Frameless Cabinetmaking	
WMT 154	Introduction to Cabinet Installation	4.0
or WMT 155	Architectural Millwork	
WMT 181	Introduction to Cabinet Vision	3.0-4.0
or WMT 182	Alphacam and the CNC Router	
WMT 251	Intermediate Cabinetmaking	4.0
Select a minimum of four units of the following:		4.0
WMT 180	Running A Woodworking Business (3)	
WMT 187	Woodworking Machine Maintenance and Repair (1.5)	
WMT 102	Introduction to Solid Wood Casegoods (4)	
WMT 107	Wood Finishing (3)	
WMT 144	Jigs and Fixtures (2)	
WMT 184	Introduction To Digital Fabrication (4)	
WMT 201	Woodworking with Hand Tools (4)	
WMT 282	Intermediate Alphacam and the CNC Router (4)	
WMT 291	Production Cabinetmaking (4)	
WMT 292	Production-Special Projects (4)	
Total Units		**22-23**

Recommended Courses

Code Number	Course Title	Units
WMT 107	Wood Finishing	3.0
WMT 180	Running A Woodworking Business	3.0
WMT 187	Woodworking Machine Maintenance and Repair	1.5