

# CABINET/MILLWORK (CBM)

## Courses

### **CBM 115 Design, Layout & Safety (6)**

Introduces the fundamentals of residential and commercial cabinet construction. Topics include Intro to cabinetmaking, Health and Safety, Career Opportunities, Industry, Cabinetry Styles, Components of Design, Design Decisions, Human Factors, Production decisions, Sketches, Mock-ups and Working Drawings, Measuring, Marking and Laying out materials.

### **CBM 130 Workplace Skills I (1)**

This course utilizes Key Train Software to assist in advancement of knowledge in Applied Math, Reading for Information, and Locating Information Work Keys assessments that are required prior to exiting the program. Students will also be required to attend seminars provided through the Career Resource Center. Seminar topics include interview techniques, developing and preparing a resume, completing job applications, ethics, and teamwork.

### **CBM 135 Print Reading (1)**

Print Reading describes how to read and interpret sets of commercial drawings and specifications. Print Reading describes how to derive cabinetmaking plans from architectural drawings and specifications. This course uses NCCER Craft Module 27201-13 and all students take a certification exam.

### **CBM 145 Cabinetry Materials & Products (6)**

Topics include Wood Characteristics, Lumber and Millwork, Cabinet and Furniture Woods, Manufactured Panel Products, Veneers and Plastic Overlays, Adhesives, Gluing and Clamping, Bending and laminating, Overlaying and Inlaying Veneer, Installing Plastic Laminates, Glass and Plastic Products, Hardware, Fasteners and Ordering Materials and Supplies.

### **CBM 150 Millwork (5)**

This course will utilize NCCER curriculum modules: 27208-13 and 27210-13 to cover the installation of metal doors and related hardware in steel-framed, wood framed, and masonry walls, along with their related hardware, such as locksets and door closers. It also covers the installation of wooden doors, folding doors and pocket doors. Students will learn to recognize different types of trim used in finish work. It focuses on the proper methods for selecting, cutting, and fastening trim to provide a professional finished appearance. Students will be tested for possible certification.

### **CBM 205 Machining Processes (6)**

Machining Processes topics include Sawing with Hand and Portable Power Tools, Sawing with Stationary Machines, Surfacing with Hand and Portable Power Tools, Surfacing with Stationary Machines, Shaping, Drilling and Boring, Computer Numerically Controlled Machinery, Abrasives, Using Abrasives and Sanding Machines, Turning, Joinery, Accessories, Jigs, Special Machines, and Sharpening.

### **CBM 215 Finishing Techniques (6)**

This course introduces the learner to the operation of traditional finishing equipment. Students perform numerous exercises to gain familiarity with finishing tools and industrial finishing equipment while building their skills and familiarity with different finishes. Finishing Units include Finishing Decisions, Preparing Surfaces for Finish, Finishing Tools and Equipment, Stains, Fillers, Sealers, and Decorative Finishes, and Top coatings.

### **CBM 235 Methods of Construction (6)**

Topics include Case Construction, Frame and Panel Components, Cabinet Supports, Doors, Drawers, Cabinet Tops and Tabletops, Kitchen Cabinets, Built-in Cabinetry and Paneling and Furniture.

### **CBM 237 Crew Leadership (1)**

Using NCCER module 46101-11 the student will be introduced to the principles of leadership. Students will learn about the construction industry today, business organization, team building, gender and minority issues, communication, motivation, problem solving, decision making, safety, and project control. Students will be tested for possible certification.

### **CBM 245 Cabinet Installation (5)**

This course will introduce students to the procedures for building and installing various types of residential and commercial cabinetry. Using NCCER module 27211-13 students will receive instruction for the selection and installation of base, wall cabinets and counter-tops and test for possible certification. Using NCCER module 27501-07 students will be introduced to the materials, tools and methods used in cabinetmaking. Practice projects are included to help trainees learn the various joining techniques used by cabinetmakers, while providing practice on stationary power tools. Students will build a cabinet from a set of plans and will be tested for possible certification.