

## **CABINETMAKER APPRENTICESHIP COURSE SUMMARIES**

### **COURSE CMA3400: PROPERTIES OF WOOD**

Students develop knowledge, skills and attitudes in the areas of classification, properties and defects of solid woods commonly used in the cabinetmaker trade.

*Prerequisite: CMA3900: Apprenticeship Safety*

### **COURSE CMA3405: PROCESSING LUMBER**

Students develop knowledge, skills and attitudes in the areas processing lumber, from harvesting to manufacturing finished products, related to the cabinetmaker trade.

*Prerequisite: CMA3400: Properties of Wood*

### **COURSE CMA3410: ADHESIVES & FASTENERS**

Students develop knowledge, skills and attitudes in the areas of adhesion and cohesion and the use of fasteners related to the cabinetmaker trade.

*Prerequisite: CMA3405: Processing Lumber*

### **COURSE CMA3415: ABRASIVES & JOINERY**

Students develop knowledge, skills and attitudes in the use of abrasives and common joints for various applications related to the cabinetmaker trade.

*Prerequisite: CMA3410: Adhesives & Fasteners*

### **COURSE CMA3420: HAND TOOLS 1**

Students develop knowledge, skills and attitudes in the use of measuring, layout, levelling and hand tools related to the cabinetmaker trade.

*Prerequisite: CMA3415: Abrasives & Joinery*

### **COURSE CMA3425: HAND TOOLS 2**

Students develop knowledge, skills and attitudes in the use of basic hand tools for clamping, cutting and fastening related to the cabinetmaker trade.

*Prerequisite: CMA3420: Hand Tools 1*

### **COURSE CMA3430: ELECTRIC & AIR TOOLS**

Students develop knowledge, skills and attitudes in the use of portable power and pneumatic tools related to the cabinetmaker trade.

*Prerequisite: CMA3425: Hand Tools 2*

### **COURSE CMA3435: POWER SAWS**

Students develop knowledge, skills and attitudes in the use of table, panel, radial arm and CNC saws related to the cabinetmaker trade.

*Prerequisite: CMA3430: Electric & Air Tools*

### **COURSE CMA3440: TOOLING EQUIPMENT**

Students develop knowledge, skills and attitudes in the design and use of tooling equipment related to the cabinetmaker trade.

*Prerequisite: CMA3435: Power Saws*

**COURSE CMA3445: BAND SAWS & PLANERS**

Students develop knowledge, skills and attitudes in use of band saws, drill presses, jointers and thickness planers related to the cabinetmaker trade.

*Prerequisite: CMA3440: Tooling Equipment*

**COURSE CMA3450: DRAFTING BASICS**

Students develop knowledge, skills and attitudes in the use of drawing instruments and orthographic drawings related to the cabinetmaker trade.

*Prerequisite: CMA3445: Band Saws & Planers*

**COURSE CMA3455: DRAWINGS & CUT LISTS**

Students develop knowledge, skills and attitudes in the use of drawing guidelines and interpretations and developing cutting lists related to the cabinetmaker trade.

*Prerequisite: CMA3450: Drafting Basics*

**COURSE CMA3460: CAD & PRINT READING**

Students develop knowledge, skills and attitudes in the use of computers and computer-aided drafting (CAD) and residential print reading related to the cabinetmaker trade.

*Prerequisite: CMA3455: Drawings & Cut Lists*

**COURSE CMA3465: TRADE MATHEMATICS**

Students develop knowledge, skills and attitudes in applying mathematical concepts to solve problems related to the cabinetmaker trade.

*Prerequisite: None*

**COURSE CMA3470: CMA PRACTICUM A**

Students, on the work site, continue to develop and refine those competencies developed in related Career and Technology Studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE CMA3475: CMA PRACTICUM B**

Students, on the work site, continue to develop and refine those competencies developed in related Career and Technology Studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE CMA3480: CMA PRACTICUM C**

Students, on the work site, continue to develop and refine those competencies developed in related Career and Technology Studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE CMA3485: CMA PRACTICUM D**

Students, on the work site, continue to develop and refine those competencies developed in related Career and Technology Studies (CTS) occupational areas, previous practicums and other experiences.

*Prerequisite: None*

**COURSE CMA3900: APPRENTICESHIP SAFETY**

Students develop knowledge, skills and attitudes in the practice of workshop health and safety, communication and career planning.

*Prerequisite: None*