

**Adapted CTE Course Blueprint of Essential Standards for  
IM23 Cabinetmaking III**  
(Recommended hours of instruction: 135 or 150)

Essential Std #	Units, Essential Standards, and Indicators (The Learner will be able to:)	Course Weight	RBT Designation
1	2	3	4
	<b>Total Course Weight</b>	<b>100%</b>	
<b>A.</b>	<b>LEADERSHIP DEVELOPMENT</b>	<b>2%</b>	
<b>F201.</b>	<b>Demonstrate communication, problem solving, and team building skills.</b>	<b>2%</b>	<b>B2</b>
<i>F201.01</i>	<i>Demonstrate communication skills.</i>	<i>1%</i>	<b>B2</b>
<i>F201.02</i>	<i>Demonstrate problem solving and team building skills.</i>	<i>1%</i>	<b>B2</b>
<b>B.</b>	<b>ORIENTATION</b>	<b>4%</b>	
<b>F202.</b>	<b>Identify terms, skill requirements and employment opportunities.</b>	<b>4%</b>	<b>A1</b>
<i>F202.01</i>	<i>Describe work performed in the trade, recognizing basic skills and physical requirements.</i>	<i>1%</i>	<b>A1</b>
<i>F202.02</i>	<i>Describe materials, processes, and categories of products produced.</i>	<i>1%</i>	<b>A1</b>
<i>F202.03</i>	<i>Identify student requirements for successful participation in the furniture and cabinetmaking program.</i>	<i>1%</i>	<b>A1</b>
<i>F202.04</i>	<i>Discuss the current and historical significance of the furniture and cabinetmaking trade.</i>	<i>1%</i>	<b>B2</b>
<b>C.</b>	<b>PERSONAL AND JOB SAFETY</b>	<b>14%</b>	
<b>F203.</b>	<b>Define, discuss and interpret basic safety associated in a school shop and workplace after review of the prerequisite safety courses.</b>	<b>14%</b>	<b>B2</b>
<i>F203.01</i>	<i>Explain terms associated with work safety.</i>	<i>2%</i>	<b>B2</b>
<i>F203.02</i>	<i>Discuss common hazards in the workplace.</i>	<i>2%</i>	<b>B2</b>
<i>F203.03</i>	<i>Demonstrate use of safety gear, protective garments, and safety equipment.</i>	<i>3%</i>	<b>B2</b>
<i>F203.04</i>	<i>Discuss personal and general safety rules.</i>	<i>2%</i>	<b>B2</b>
<i>F203.05</i>	<i>Demonstrate how to properly use fire extinguishers.</i>	<i>1%</i>	<b>B2</b>
<i>F203.06</i>	<i>Discuss safety requirements before using hand or power tools.</i>	<i>2%</i>	<b>B2</b>
<i>F203.07</i>	<i>Explain a safety checklist.</i>	<i>1%</i>	<b>B2</b>
<i>F203.08</i>	<i>Discuss OSHA, MSDS, and right to know regulations.</i>	<i>1%</i>	<b>B2</b>
<b>D.</b>	<b>FASTENERS AND HARDWARE</b>	<b>6%</b>	
<b>F208.</b>	<b>Identify basic wood fasteners and hardware.</b>	<b>6%</b>	<b>A1</b>
<i>F208.01</i>	<i>Identify nail styles and sizes.</i>	<i>2%</i>	<b>A1</b>
<i>F208.02</i>	<i>Identify basic wood screw styles and sizes.</i>	<i>2%</i>	<b>A1</b>
<i>F208.03</i>	<i>Select appropriate decorative and assembly hardware.</i>	<i>2%</i>	<b>C3</b>
<b>E.</b>	<b>ADHESIVES AND GLUING</b>	<b>6%</b>	
<b>F209.</b>	<b>Identify basic adhesives, gluing equipment, and clamping fixtures.</b>	<b>6%</b>	<b>A1</b>
<i>F209.01</i>	<i>Demonstrate the properties of basic adhesives used for joining wood.</i>	<i>3%</i>	<b>B2</b>
<i>F209.02</i>	<i>Demonstrate correct use of selected clamping fixtures.</i>	<i>3%</i>	<b>B2</b>
<b>F.</b>	<b>PLANNING AND DESIGN</b>	<b>14%</b>	
<b>F210.</b>	<b>Develop a basic project plan.</b>	<b>14%</b>	<b>C3</b>
<i>F210.01</i>	<i>Develop and interpret basic plan drawings.</i>	<i>6%</i>	<b>C3</b>
<i>F210.02</i>	<i>Develop a bill of materials.</i>	<i>2%</i>	<b>C3</b>
<i>F210.03</i>	<i>Develop a set of specification sheets.</i>	<i>2%</i>	<b>C3</b>

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1	2	3	4
F210.04	<i>Determine appropriate dimensions, shapes and sizes for project components using trade mathematics.</i>	4%	<b>A1</b>
<b>G.</b>	<b>PRE-FINISHING</b>	<b>6%</b>	
<b>F211.</b>	<b>Demonstrate the materials and processes required for pre-finishing.</b>	<b>6%</b>	<b>B2</b>
F211.01	<i>Demonstrate basic techniques for preparing surfaces for finishing.</i>	2%	<b>B2</b>
F211.02	<i>Identify abrasives.</i>	2%	<b>A1</b>
F211.03	<i>Demonstrate proper use of abrasives.</i>	2%	<b>B2</b>
<b>H.</b>	<b>PRODUCT CONSTRUCTION AND ASSEMBLY</b>	<b>40%</b>	
<b>F212.</b>	<b>Design and construct a cabinetmaking product.</b>	<b>40%</b>	<b>C3</b>
F212.01	<i>Design and estimate a project including flow chart procedures.</i>	10%	<b>C3</b>
F212.02	<i>Identify, select, use appropriate joinery and perform basic assembly techniques.</i>	20%	<b>A1</b>
F212.03	<i>Construct project components .</i>	5%	<b>C3</b>
F212.04	<i>Assemble project components.</i>	4%	<b>C3</b>
F212.05	<i>Identify inlay and banding.</i>	1%	<b>A1</b>
<b>I.</b>	<b>FINISHING</b>	<b>8%</b>	
<b>F213.</b>	<b>Demonstrate the materials and processes required for basic finishing.</b>	<b>8%</b>	<b>B2</b>
F213.01	<i>Discuss different types of stains.</i>	2%	<b>B2</b>
F213.02	<i>Demonstrate proper staining techniques.</i>	2%	<b>B2</b>
F213.03	<i>Prepare and apply final finish.</i>	4%	<b>C3</b>