



**RELATED INSTRUCTION OUTLINE OF THE**  
**CARPENTRY CURRICULUM**  
**ISBN-13: 978-0-13-340237-7**  
*(5<sup>th</sup> Edition)*

<b>CARPENTRY LEVEL 1</b>			
<b>Module #</b>	<b>Module Name</b>	<b>Module Objectives</b>	<b>Perf. Profile</b>
1	27101-13 <i>Orientation to the Trade</i>	Reviews the history of the carpentry trade, describes the apprentice program, identifies career opportunities for the carpentry and construction workers. Lists skills, responsibilities, and characteristics a worker should possess, as well as the importance of safety in this industry.	No
2	27102-13 <i>Building Materials, Fasteners, and Adhesives</i>	Introduces the building materials used in construction work, including lumber, sheet materials, engineered wood products, structural concrete, and structural steel. Also describes the fasteners and adhesives used in construction work. Discusses the methods of squaring a building.	Yes
3	27103-13 <i>Hand and Power Tools</i>	Describes hand tools and power tools used by carpenters. Emphasizes safety and proper operation, as well as the care and maintenance of the tools.	Yes
4	27104-13 <i>Introduction to Construction Drawings, Specifications, and Layout</i>	Provides information on techniques for reading and using construction drawings and specifications with an emphasis on drawings and information relevant to the carpentry trade. Introduces quantity takeoffs.	Yes
5	27105-13 <i>Floor Systems</i>	Provides information on framing basics. Describes the procedures for laying out and constructing a wood floor using common lumber, as well as engineered building materials. Includes the procedure to estimate the amount of material needed for floor assembly.	Yes
6	27111-13 <i>Wall Systems</i>	Describes procedures for laying out and framing walls, including roughing-in door and window openings, constructing corners, partition Ts, and bracing walls. Includes the procedure to estimate the materials required to frame walls.	Yes
7	27112-13 <i>Ceiling Joist and Roof Framing</i>	Describes types of roofs and provides instructions for laying out rafters for gable roofs, hip roofs, and valley intersections. Covers stick-built and truss-built roofs. Includes the basics of roof sheathing installation.	Yes
8	27109-13 <i>Introduction to Building Envelope Systems</i>	Introduces the concept of the building envelope and explains its components. Describes types of windows, skylights, and exterior doors, and provides instructions for installation.	Yes
9	27110-13 <i>Basic Stair Layout</i>	Introduces the various types of stairs and the common building code requirements related to stairs. Focuses on the techniques for measuring and calculating rise, run and stairwell openings, laying out stringers, and fabricating basic stairways.	Yes