



**RELATED INSTRUCTION OUTLINE OF THE
CARPENTRY CURRICULUM
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(5th Edition)**

CARPENTRY LEVEL 4			
Module #	Module Name	Module Objectives	Perf. Profile
1	27401-14 <i>Site Layout One: Differential Leveling</i>	Covers principals, equipment, and methods used to perform differential leveling. Also covers the layout responsibilities of surveyors, field engineers, and carpenters; interpretation and use of site/plot plan drawings; the use of laser instruments; and methods used for on-site communication.	Yes
2	27402-14 <i>Site Layout Two: Angular and Distance Measurement</i>	Describes the principles, equipment, and methods used to perform site layout tasks that require angular and distance measurements. Tasks include laying out building lines and determining elevations by trigonometric leveling. The use of transits, theodolites, electronic distance measurement, and total stations are covered. Review trade mathematics needed to perform calculations related to angular measurements.	Yes
3	27403-14 <i>Advanced Roof Systems</i>	Describes commercial roofing materials and structures and as well as the procedures for installing commercial roofing, such as standing-seam, lap-seam, and build-up roofs.	Yes
4	27404-14 <i>Advanced Wall Systems</i>	Covers installation of a variety of finishing materials, including concrete masonry units and brick. Also covers installation of curtain walls and fire-rated commercial construction.	Yes
5	27405-14 <i>Advanced Stair Systems</i>	Provides extensive coverage of the materials and techniques used in finishing wood stairways. Also covers a variety of stair systems used in commercial construction.	Yes
6	27406-14 <i>Introduction to Construction Equipment</i>	Introduces construction equipment commonly used at a construction site, including the aerial lift, skid-steer loader, electric power generator, compressor, compactor, forklift, and backhoe. Provides an overview of general safety, operation, and maintenance procedures for equipment.	No
7	27407-14 <i>Introduction to Oxyfuel Cutting and Arc Welding</i>	Introduces the equipment, procedures, and safety practices associated in cutting steel with oxyfuel cutting, as well as shielded metal arc welding, gas tungsten arc welding, and gas metal arc welding. Labs include practice in cutting and welding techniques.	Yes
8	27409-14 <i>Site Preparation</i>	Covers the planning process that precedes the start of work on a construction site, including environmental considerations, personnel issues, access roads, traffic control, permits, site safety, utilities, and crane-related concerns.	No
9	46101-11 <i>Fundamentals of Crew Leadership</i>	Covers basic leadership skills and explains different leadership styles, communication, delegating, and problems solving. Job-site safety and the crew leader's role in safety are discussed, as well as project planning, scheduling, and estimating. Includes performance tasks to assist the learning process. <i>(While this module has been designed to assist the recently promoted crew leader, it is beneficial for anyone in management.)</i>	Yes