



**RELATED INSTRUCTION OUTLINE OF THE**  
**PLUMBING CURRICULUM**  
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*(4<sup>th</sup> Edition)*

<b>PLUMBING LEVEL 2</b>			
<b>Module #</b>	<b>Module Name</b>	<b>Module Objectives</b>	<b>Perf. Profile</b>
1	02201-13 <i>Plumbing Math Two</i>	Explains the Pythagorean theorem, reviews methods for laying out square corners, and discusses the techniques used to calculate simple and rolling offsets, as well as offsets on parallel runs of pipe.	Yes
2	02202-13 <i>Reading Commercial Drawings</i>	Provides instruction in the identification and interpretation of civil, architectural, structural, HVAC/mechanical, plumbing, and electrical drawings, as well as how to use them to ensure accurate dimensions, generate RFIs, locate plumbing entry points, and establish piping routes and fixture locations. Isometric drawings, material takeoffs, approved submittal data and Building Information Management (BIM).	Yes
3	02203-13 <i>Structural Penetrations, Insulation, and Fire-Stopping</i>	Introduces methods for adjusting structural members, insulating pipe, and installing firestopping. Covers reinforcement techniques for modified structural members; how to measure, cut, and install fiberglass and flexible foam insulation; and how to identify walls, floors, and ceilings that require fire-stopping.	Yes
4	02204-13 <i>Installing and Testing DWV Piping</i>	Explains how to locate, install, connect, and test a complete drain, waste, and vent (DWV) system. Discusses how to develop material takeoffs, set up and use levels, locate building sewers and building drains, locate fixtures, and test a DWV system.	Yes
5	02205-13 <i>Installing Roof, Floor, and Area Drains</i>	Covers the proper techniques for locating, installing, and connecting roof, floor, and area drains and floor sinks according to code. Also discusses waterproof membranes and flashing, drain components, shower pans, trap primers, and proper drain applications.	Yes
6	02206-13 <i>Installing and Testing Water Supply Piping</i>	Explores the proper techniques for locating, installing, and testing complete water service and distribution systems, including meters, water heaters, water softeners, and hose bibbs. Introduces trainees to basic backflow prevention and water hammer prevention, and discusses the installation of shower and tub valves, ice maker and washing machine boxes, and pipe stubouts and supports.	Yes
7	02207-13 <i>Types of Valves</i>	Reviews types of valves, their components, and applications. Also covers valve servicing.	Yes
8	02208-13 <i>Installing Fixtures and Valves</i>	Covers the installation of basic plumbing fixtures, including bathtubs, shower stalls, lavatories, sinks, water closets, and urinals. Reviews the installation of associated valves, faucets, and components. Also discusses how to connect appliances such as dishwashers, food-waste disposers, refrigerators and ice makers, and washing machines.	Yes
9	02209-13 <i>Installing Water Heaters</i>	Discusses gas-fired, electric, tankless, heat pump, and indirect water heaters, components, and applications. Reviews proper installation and testing techniques and covers the latest code requirements for water heaters.	Yes
10	02210-13 <i>Basic Electricity</i>	Introduces electrical safety and the principles of electricity including voltage, current, resistance, and power. Includes important electrical formulas, circuitry, and common plumbing-related electrical applications.	Yes
11	02211-13 <i>Fuel Gas and Fuel Oil Systems</i>	Introduces techniques for safe handling of natural gas, liquefied petroleum gas, and fuel oil. Reviews fuel gas and fuel oil safety precautions and potential hazards, applications, systems installation, and testing.	Yes