

# PLUMBING (PLMB)

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**PLMB 101 Foundations of Plumbing 4 Credit Hour(s)**

**Prerequisite:** CRFT 101 (may be taken concurrently)

Foundations of Plumbing is a practical course combining lecture and hands-on instruction. Topics addressed include: Introduction to the Plumbing Profession, Plumbing Safety, Plumbing Tools, Introduction to Plumbing Math, Introduction to Plumbing Drawings, Plastic Pipe and Fittings, Copper Pipe and Fittings, Cast-Iron Pipe and Fittings, Carbon Steel Pipe and Fittings, Fixtures and Faucets, Introduction to Drain, Waste, and Vent Systems and Introduction to Water Distribution Systems.

**Offered:** Resident

**PLMB 201 Intermediate Plumbing 4 Credit Hour(s)**

**Prerequisite:** PLMB 101 and CRFT 101

Intermediate Plumbing is a practical course combining lecture and hands-on instruction. Topics addressed include: Plumbing Math Two; Reading Commercial Drawings; Structural Penetrations and Fire Stopping; Installing and Testing DWV Piping; Installing Roof, Floor and Area Drains; Types of Valves; Installing and Testing Water Supply Piping; Installing Fixtures and Valves; Basic Electricity; Installing Water Heaters; and Fuel Gas and Fuel Oil Systems.

**Offered:** Resident

**PLMB 301 Advanced Plumbing 4 Credit Hour(s)**

**Prerequisite:** PLMB 201 and CRFT 101

Advanced Plumbing is a practical course combining lecture and hands-on instruction. Topics addressed include: Applied Math; Sizing Water Supply Piping; Potable Water Treatment; Types of Venting; Sizing DWV and Storm Systems; Sewage Pumps and Sump Pumps; Corrosive-Resistant Waste Piping; Compressed Air; Service Plumbing.

**Offered:** Resident

**PLMB 401 Special Topics in Plumbing 4 Credit Hour(s)**

**Prerequisite:** PLMB 301 and CRFT 101

Special Topics in Plumbing is a practical course combining lecture and hands-on instruction. Topics addressed include: Business Principles for Plumbers; Introductory Skills for the Crew Leader; Water Pressure Booster and Recirculation Systems; Indirect and Special Waste; Hydronic and Solar Heating Systems; Codes; Private Water Supply Well Systems; Private Waste Disposal System; Swimming Pools and Hot Tubs; Plumbing for Mobile Homes and Travel Trailers; Introduction to Medical Gas and Vacuum Systems.

**Offered:** Resident