

USU Eastern Continuing Education

Course Title: Plumbing Apprenticeship Years 1, 2, 3, and 4

Core Hours: 12

Instructor: Thomas Hicken

Objectives:

To improve a participant's understanding of the plumbing trade and the code requirements that govern installations.

Description:

Instruction covers a variety of topics from the USHE aligned curriculum, including International Plumbing Code and International Fuel Gas Code and their applications in plumbing installations, Mathematics for Plumbers and Pipefitters and math that applies to plumbing installations, as well as general knowledge of the plumbing trade as taught from Modern Plumbing 9<sup>th</sup> Edition.

Outline:

- Plumber IA – Plumbing history, occupations, IPC chapters 1-3, math
- Plumber IB – Plumbing applications, IPC chapters 4, 5 & 10, math
- Plumber IIA – Plumbing applications, IPC chapters 6, 7 & 9, math
- Plumber IIB – Plumbing applications, IPC chapters 8, 11-14
- Plumber IIIA – IPC Chapters 3-5, IMC 2 & 3, IFGC 5, Math, NFPA 13D
- Plumber IIIB – IPC Chapters 6-14, IFGC 4, Utah Amendments
- Plumber IVA – IPC Review, OSHA, IMC Review, NFPA 13D, R317-14
- Plumber IVB – Hydronics, IFGC Review, Leadership and Business, Math Review
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Delivery Method: Hybrid Live Instruction and Online Learning. In-person lab experience.