

PHCC Academy®

Plumbing 101 7th Edition Syllabus

Course Contact for Registration and Non-LMS Questions

State Chapter Partner

Refer to <https://phccacademy.org/state-chapter-partner-contacts/>

Course Contact for Technical Problems in Absorb LMS

PHCC Academy® Staff - AcademySupport@naphcc.org

Prerequisites

None

Welcome to the PHCC Academy® Online Apprenticeship-Related Technical Instruction course for Plumbing 101!

This program is designed to provide students who cannot attend classes in a traditional apprenticeship program with the same opportunity to learn the textbook fundamentals of the trade. This training course must be supplemented by your employer, through both technical assistance and on-the-job training in each area of instruction in the book.

Course Goals

- To provide a practical introduction to the plumbing trade
- To familiarize entry-level students with a broad overview of fundamental topics in the plumbing industry
- To provide students with an understanding of basic mathematical concepts necessary for plumbing work
- To provide students with an introduction to interpreting basic construction drawings

Required Textbook (Purchased Separately)

Plumbing-Heating-Cooling-Contractors - National Association Educational Foundation. (2025). *Plumbing 101* (7th ed.). Cengage.

Assignments

In each module you will be required to do the following:

- Read Chapter
- Watch Lesson
- Prepare for Exam
- Take Exam

The Modules are titled as follows:

- Module 1 - Plumbing History, Codes, and Principals
- Module 2 - Tools of the Plumbing Trade
- Module 3 - First Aid and Safety
- Module 4 - Basic Math for Plumbing
- Module 5 - Water Supply, Water Sources, Waste Disposal, and Sewage Disposal
- Module 6 - Mechanical Properties and Protection of Building Materials and Structures
- Module 7 - Piping Materials Used in Plumbing Work
- Module 8 - Joining Methods for DWV and Pressure Piping
- Module 9 - Squares, Square Roots, and Basic Geometry
- Module 10 - Plumbing Fixtures
- Module 11 - Faucets and Related Devices
- Module 12 - Valves
- Module 13 - Water Heaters
- Module 14 - Building Plans, Drawings, and Scale Rulers
- Module 15 - Sketching
- Comprehensive Final Exam