

PLUMBING (PLB)

PLB 100 (3 credit hours)

Basic Theory of Plumbing

Provides a history of the plumbing trade and basic principles of the trade. Lecture: 2 credits (45 contact hours).

Attributes: Technical

Components: LEC: Lecture

PLB 105 (3 credit hours)

Plumbing Principles

Provides the proper installation procedures for piping, water heaters and sewage systems. The plumbing codes appropriate for each installation will also be studied. Laboratory: 3 credits (135 contact hours).

Components: LAB: Laboratory

PLB 115 (4 credit hours)

Plumbing Applications

Presents information and methods for working with different types of tubing and piping necessary for supply and drainage. Skills necessary for rough-in installation of kitchen and bathroom fixtures is also a component of this course. Prerequisite: PLB 105. Laboratory: 4 credits (180 contact hours).

Components: LAB: Laboratory

PLB 150 (3 credit hours)

Plumbing, Introduction to the Trade

Introduces the origin and basic principles of the plumbing industry. Includes the orientation of methods associated with the plumbing industry. Lecture: 3 credits (45 contact hours).

Attributes: Technical

Components: LEC: Lecture

PLB 151 (3 credit hours)

Basic Plumbing Skills

This course introduces the student to basic pipe joining techniques. Laboratory: 3 credits (135 contact hours).

Co-requisite: PLB 150.

Attributes: Technical

Components: LAB: Laboratory

PLB 160 (3 credit hours)

Plumbing Systems, DWV & Water

Presents a study of designing and sizing water distribution and drain, waste and vent pipes. Studies of code requirements and installation of common residential fixtures is also covered. Prerequisite: PLB 150 or equivalent. Lecture: 3 credits (45 contact hours).

Attributes: Technical

Components: LEC: Lecture

PLB 161 (2 credit hours)

Rough-in of Plumbing Fixtures

Develops the skills necessary to rough-in DWV and water piping for residential or commercial applications. Corequisite: PLB 160. Laboratory: 2 credits (90 contact hours).

Attributes: Technical

Components: LAB: Laboratory

PLB 250 (3 credit hours)

Plumbing Appliances & Fixtures

Presents the installation practices of residential water heaters (electrical and gas); and the installation of commercial water heating systems with pumps, controls, and valve systems. Study will also include site layout and testing. Lecture: 3 credits (45 contact hours).

Pre-requisite: PLB 150.

Attributes: Technical

Components: LEC: Lecture

PLB 251 (2 credit hours)

Pumps and Water Heaters

Develops skills in the installation of plumbing appliances (water heater), and appurtenances. Laboratory: 2 credits (90 contact hours).

Pre-requisite: PLB 150.

Co-requisite: PLB 250.

Attributes: Technical

Components: LAB: Laboratory

PLB 260 (2 credit hours)

Service

This course presents the study of methods, procedures, and skills involved in planning and estimating residential and commercial plumbing fixtures and systems. Lecture: 2 credits (30 contact hours).

Pre-requisite: PLB 150 or equivalent.

Attributes: Technical

Components: LEC: Lecture

PLB 261 (2 credit hours)

Advanced Plumbing Lab

This course will teach the student to plan and apply local code requirements for residential plumbing systems, and estimate supplies and cost of same. Laboratory: 2 credits (90 contact hours).

Pre-requisite: PLB 150 or equivalent.

Attributes: Technical

Components: LAB: Laboratory

PLB 262 (3 credit hours)

Backflow Prevention

This course teaches the student how to protect portable water systems from the hazards of backflow. Lecture: 3 credits (45 contact hours).

Pre-requisite: Consent of Instructor.

Attributes: Technical

Components: LEC: Lecture

PLB 269 (1 credit hours)

Sewer and Drain Cleaning

Teaches the student to remove obstructions from trap fixtures, sewer lines, and drain lines. Repair of leaks and maintenance of cleaning equipment is also included. Prerequisite: PLB 150 or equivalent. Laboratory: 1 credit (45 contact hours).

Components: LAB: Laboratory

PLB 270 (3 credit hours)

License Preparation for Journeyman Exam

Provides a study of Kentucky Code in preparation for the Journeyman Exam. Lecture: 2 credits (30 contact hours). Laboratory: 1 credit (45 contact hours).

Attributes: Technical

Components: LAB: Laboratory, LEC: Lecture

PLB 298 (4 credit hours)

Practicum/Repairs & Maintenance

Designed to provide the student with experience in the plumbing industry.

This will be a non-paid evaluation of a student's developed skills.

Practicum: 4 credits (180 contact hours).

Pre-requisite: Consent of instructor.

Attributes: Technical

Components: PCM: Practicum

PLB 299 (4 credit hours)

Cooperative Education

Provides students with experience in the plumbing industry. This will be a paid evaluation of a student's developed skills. Co-op: 4 credits (300 contact hours).

Pre-requisite: Consent of Instructor.

Attributes: Technical

Components: COP: Co-op