

SUBJECTS AND COURSES

COURSE DESCRIPTIONS - PLUMBING (PLB)

PLB 111 Intro to Plumbing

PREREQUISITE: As required by college. This course covers fundamental plumbing principles, practices, and history. Topics include basic plumbing principles, safety, job seeking skills, blueprint reading, plumber's math, shop orientation, and school policy. Upon completion, students will be able to seek employment, understand basic plumbing principles, read and interpret blueprints, work safely, and use formulas to solve plumbing problems involving measurement and layouts. This is a CORE course. There is an approved plan-of-instruction for this course.

7 Credit Hours

PLB 112 Plumbing Applications

PREREQUISITE: As required by college. Students perform various basic plumbing and pipefitting tasks. Safety and regulatory compliance is emphasized throughout this course. At the conclusion of this course students will be able to develop basic plumbing drawings and schematics, use hand and power tools, measure fittings, and join pipe with oxy-fuel equipment. There is an approved plan-of-instruction for this course.

9 Credit Hours

PLB 113 Pipes and Fittings

PREREQUISITE: As required by college. This course includes the theory of joining pipe and fittings. Topics include methods of joining pipe and fittings, selecting and using power tools, and methods of securing piping. Upon completion students will be able to identify pipe and fittings, identify tools, properly care for tools and identify various types of pipe securing devices. This is a CORE course. There is an approved plan-of-instruction for this course.

7 Credit Hours

PLB 115 Pressure & Non-pressure Sys

PREREQUISITE: As required by college. This course covers pressure and non-pressure systems including piping for potable water, drainage, waste, vent, gas, air, and water. Topics include types of plumbing systems, and system design and size. At the conclusion of this course students will be able to rough-in basic plumbing systems for pressure and non-pressure pipe systems. This is a CORE course. There is an approved plan-of-instruction for this course.

7 Credit Hours

PLB 116 Pressure & Non-pressure Sys Ap

PREREQUISITE: As required by college. Students perform various basic pressure and non-pressure pipe systems tasks. Safety and regulatory compliance is emphasized throughout this course. At the conclusion of this course students will be able to rough-in basic plumbing systems for pressure and non-pressure pipe systems. There is an approved plan-of-instruction for this course.

9 Credit Hours

PLB 117 Plumbing Codes

PREREQUISITE: As required by college. This course includes reading and interpreting international codes, local codes, and general regulations. Emphasis is on basic principles, definitions, materials, facility requirements, and technical review. Upon completion, students will be able to read and interpret applicable codes. This is a CORE class. There is an approved plan-of-instruction for this course.

7 Credit Hours

PLB 118 Code Application

PREREQUISITE: As required by college. This course is an application of PLB 117. Emphasis is on fixture unit value, sizing systems, minimum plumbing requirements and construction of pressure and non-pressure systems according to code. Upon completion students will be able to calculate and construct pressure and non-pressure systems.

9 Credit Hours

PLB 211 Plumbing Repair & Install

PREREQUISITE: As required by college. This course enables students to read and follow schematics/diagrams/rough-in sheets to install or repair plumbing fixtures, to troubleshoot and make repairs. Topics include removing, replacing and repairing plumbing fixtures, new installations and troubleshooting. Upon completion, students will be able to make plumbing repairs and install plumbing fixtures.

3 Credit Hours

PLB 224 Plumbing Co-op

PREREQUISITE: As required by college. The purpose of this course is to allow students to develop skills gained through classroom and laboratory activities. Instructors coordinate with local business and industry representatives to determine student learning outcomes.

15 Credit Hours