

PLUMBING (PLU)

PLU-130 Plumbing Theory I (6)

Provides instruction on the basic principles of plumbing system installations. At the conclusion of the course, the student will be able to complete a variety of plumbing-related tasks such as identify and describe safe work practices; identify and explain the materials, fittings and supports used in a plumbing installation; identify the Uniform Plumbing Code; identify the content covered in each chapter of the UPC and perform basic pipe sizing; create plan and elevation plumbing drawings and sketches; and identify and describe potable water systems, water wells and basic water treatment. Arts & Sciences Elective Code: B
Hours per week: 4.0 lecture, 4.0 lab

PLU-132 Plumbing Theory II (8)

Provides instruction in all aspects of plumbing installations in a residential setting. Students learn to plan, design and install a plumbing drain, a waste and vent system, plumbing fixtures, water distribution systems, natural gas supply piping, venting, and chimney systems in accordance with the Uniform Plumbing Code, state and local amendments. Arts & Sciences Elective Code: B
Hours per week: 6.0 lecture, 4.0 lab

Prerequisite: Take PLU-130.

PLU-140 Plumbing Practices I (4)

Provides instruction on common pipe joining techniques and common pipe fitting procedures for pressure and drainage weight pipe and fittings. At the completion of the course, the student will be able to identify the common materials used in plumbing and gas piping systems, identify and perform common joining methods used on piping materials, and maintain a job log of time spent and materials used for each of the piping assignments. Arts & Sciences Elective Code: B
Hours per week: 8.0 lab

PLU-142 Plumbing Practices II (4)

Provides instruction for installation of plumbing systems. At the completion of the course, the student will be able to plan, design and install a plumbing drain, a waste and vent system, plumbing fixtures, water distribution systems, natural gas supply piping, venting, and chimney systems in accordance with the Uniform Plumbing Code, state and local amendments. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 6.0 lab

Prerequisite: Take PLU-140.

PLU-148 Plan and Print Reading for Plumbing (2)

Provides instruction in plan and print reading for plumbing system installations. Combines plan and print reading assignments together with drawing assignments. Arts & Sciences Elective Code: B
Hours per week: 1.0 lecture, 2.0 lab

PLU-150 Plumbing Plan and Print Reading II (2)

Provides instruction on reading, interpreting and understanding standard construction drawings. From a given construction drawing, students develop piping sketches including plan, elevation and isometric views, size drain waste and vent piping by use of the Uniform Plumbing Code and the City of Cedar Rapids amendments, prepare a materials list from a given piping sketch and download and print a variety of manufacturers' product information sheets for fixtures, faucets, fittings and other related items. Arts & Sciences Elective Code: B

Hours per week: 1.0 lecture, 2.0 lab

Prerequisite: Take PLU-148.

PLU-932 Internship (1-2)

Focuses on providing the student practical experience in a plumbing related work environment. Includes employer/supervisor evaluations and instructor visits/interview. Arts & Sciences Elective Code: B

Hours per week: 4.0 internship