

Course Outcomes INT-105 Plumbing and Pipefitting

Course Title: INT-105 Plumbing and Pipefitting

Date: Spring 2018

Course Team: David Hildebrand

Expected Learning Outcomes

- Identify basic tools and materials of the plumbing trade.
- Develop safe and effective application skills from cognitive learning.
- Demonstrate effective fabrication of materials in the plumbing profession.
- Demonstrate effective installation of common plumbing fixtures.
- Describe the key plumbing trade terms and definitions.
- Assess basic plumbing trouble shooting skills.

Assessment

- Assessments will include:
- 2 written tests and a final written exam
- Classroom lab exercises and assignments

Validation

- Comparison of final exam results with national average skills in the plumbing, energy, commercial and industrial field of work.
- The evaluation of student performance and ability to transfer knowledge to next level of class in the program.
- Consult Advisory Committee participants as to performance of interns and hired students based on ability and knowledge gained.

Results

- The results of the testing and final examination will show the level of retention of the classroom materials.
- The results of the practice exercises and assignments will show the ability of the student to transfer textbook information to hands-on applications.
- The results of the Advisory Committee input will allow us to place a rate of success in our database for ongoing improvement to the course and advise us of changes in technology and industry standards.
- Spring 2018
 - Class average B
 - Class Size: 4
 - Students were successful at performing hand on classroom assignments

Follow-up

- The data will be evaluated to improve teaching techniques
- The data will be evaluated to help us remain up to date with technology changes.

Budget Justification

- Update textbook to include changes in technology
- Update classroom equipment to keep pace with changes in technology