

Utility Pipeline Installer Minimum Industry Criteria O-Net Code 47-2152.01 U

1. Length of Training:

Length of Training for a utility pipeline fitter shall be comprised of a minimum of 5 years equaling 7,800 hours and 720 hours of R.S.I

2. Related Supplemental Instruction:

See appendix A.

3. On the Job Training:

See works processes appendix B.

4. Competency Testing:

All apprentices shall pass course competency tests based on related supplemental Instruction before being advanced to the next level

5. Completion Percentages:

Program Sponsors should show a graduation rate of 25% of all apprentices Indentured into their program that satisfactorily complete the full first year following the finish of the probationary period.

6. Green Training:

for Utility Pipeline Installer will include typical course topics and community college Green Build Education Group Courses and curriculum or similar program which includes Plumbing Industry Standards Criteria.

Appendix “A”

Related and Supplemental Instruction Topics for Utility Pipeline Installer MITC

1. Orientation: Safety and Organization of Trade
2. Basic Math: Addition, Subtraction and Multiplication
3. Basic Drawing: Plan Interpretation
4. Shoring Practices
5. Beginning Soldering & Brazing
6. Installation Practices
7. Advanced Blueprint and Drafting
8. Advanced Soldering & Brazing
9. Builders Level and Instrumentation
10. Polyethylene Fusion and Installations
11. Green Build Practices

Appendix "B"
 Works Processes of Utility Pipeline Installer
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Appox. Hours.	Work Process:
160	Interpretation of blueprints, Schematics and material take off
160	Layout & installation of control wiring related to the trade.
160	Layout of water mains, storm sewers, sanitary sewers, gas mains
160	Layout staking and site grading control.
35	Painting & color coding of valves, piping & controls for utility Installations
35	Digging of ditches, handling skids & general clean-up work
4830	Installation of all types of metal, plastic, vitrified clay, cement, pipe or tubing, including fittings, valves, pumps, etc.
360	Operating, care, use & maintenance of all hand tools, power tools.
130	Application of methods & techniques of handling, unloading, distributing, lowering, storage, delivery of all materials & equipment incidental & supplemental to the job.
35	Testing, treatment& sterilization of pipe & piping systems.
65	Tapping & saddling of water, gas, storm & sanitary systems.
665	Application of job safety & rigging
160	Service, repair & revamping of existing water mains, sanitary sewers & gas mains.
65	Installation of thrust blocks, supports & anchors for water, gas, sanitary & storm sewers.
720	Welded, caulked, mechanical & chemical joining of piping related to the utility trade.
30	Installation of metallic, non metallic pipe & conduits used as temporary piping systems or for environmental control.
30	Installation of culvert piping or thin-wall metallic pipe for drainage or irrigation systems.
7800	Total Hours.

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