

# Landscape & Irrigation PipeFitter

## Minimum Industry Criteria

### O-Net Code 47-2152.01 L

#### 1. Length of Training:

Length of Training for a landscape & irrigation fitter shall be comprised of a minimum of 5 years equaling 9000 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 landscape & irrigation will include typical course topics and community college Green Build Education Group Courses and curriculum or similar program which includes sustainable landscaping principles, xeriscaping design and installation along with efficient design, plantings and irrigation.

## Appendix “A”

### Related and Supplemental Instruction Topics for Landscape & Irrigation Pipefitter MITC

1. Orientation: Safety and Organization of Trade
2. Basic Math: Addition, Subtraction and Multiplication
3. Basic Drawing: Plan Interpretation
4. Code: Water Distribution
5. Irrigation Systems: Sizing, Materials, Layout piping
6. Copper/ Acetylene: Techniques, Gases.
7. Drainage/Pumps: Materials & Fittings, Trenching
8. Special Purposes: Fountains, Planter drains, Pumps
9. Builders Level: Nomenclature, Care of Instruments
10. Water Distributions: Water Systems
11. Green Build: Design and Installation, irrigation and plantings

## Appendix “B”

### Work Processes for Landscape & Irrigation Pipefitter Minimum Industry Training Criteria

Approx Hours.	Work Process:
733	Interpretation of blueprints, schematics, specifications, material take-off, as builds & controller charts.
1066	Layout, installation & testing, piping & control wiring of system
784	Layout, installation & testing of drainage and area drains, catch basins, sumps, storage tanks, area drains.
833	Layout, staking, site grading control, grubbing, trenching, backfill
501	Installation of landscape, IE paths, fences, courtyards, structures.
538	Installation, testing, maintenance and repair automated, mechanical, electrical controls
626	Installation and testing, maintenance and repair all metallic, non-metallic pipe or tubing, including fittings, valves, pumps, etc.
100	Installation, testing, maintenance and repair of gas removal systems
100	Green build water efficient design, plantings and irrigation.
1025	Operation, care, use and maintenance of all hand tools, power tools and construction equipment related to the trade.
600	Application of methods and techniques of handling, distributing Storage and delivery of material and equipment.
421	Soil amendments, testing, treatment and compaction.
1352	Layout, installation and establishment of plants, trees, shrubs, ground covers, turf, plant identification, etc.
321	Application of job safety and rigging and moving loads.
9000	total hours.

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