

PLUMBER (RESIDENTIAL)

APPENDIX A

O*NET CODE 47-2152.02

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

WORK PROCESSES

	Approximate Hours
A. Installation of piping for waste, soil, sewerage, vent, leader lines, and steam and hot water lines.	2,000
B. Installation of piping for hot and cold water for domestic purposes, ventilating, refrigeration and air conditioning.	1500
C. Installation of lead pipe, tin pipe, wiped joints, sheet, lead and solder work.	500
D. Assembly in position and connection of fixtures and appliances used in the plumbing and drainage system, and installation of steam and hot water equipment.	500
E. Maintenance and repair of plumbing and heating systems.	750
F. Operation, care and use of all tools connected with the trade.	250
G. Operation, maintenance of the complete repair and service kit.	250
H. Water purification, sewerage disposal, lead work and lead burning.	2,000
I. Heating, oil burner, welding and power plant.	2,000
J. Welding connected with the trade.	250
Approximate Total Hours	10,000

Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <https://dol.ny.gov/public-work-and-prevailing-wage>.

PLUMBER (RESIDENTIAL)

APPENDIX B

RELATED INSTRUCTION

Safety

1. Safety and Accident Prevention
2. Asbestos Awareness – minimum 4 hours (see attachment)
3. OSHA 10-Hour Construction Course – if required for Public Work
4. First Aid – minimum 6.5 hours every 3 years
5. Sexual Harassment Prevention Training – must comply with section 201-g of the Labor Law

History of Plumbing

1. Organization of the Plumbing Industry

Mathematics Applied to Plumbing

Trade Theory and Science

1. Elementary Drawing for Plumbers
2. Plan Reading for Plumbers
3. Plumbing Materials and Practical Training
4. Fixtures and Appliances in General Use
5. Physics Applied to Plumbing
6. Bacteriology for Plumbers
7. Chemistry Applied to Plumbing
8. Water Sources
9. Sewerage Disposal
10. Water Pollution in Plumbing Systems
11. Plumbing Laws and Regulations
12. Soil and Waste Lines
13. Venting
14. Business Aspects of Plumbing
15. Industrial History and Labor Relations

Other Related Courses as Necessary

216 Hours of Related Instruction are Required for Each Apprentice for Each Year.

Appendix B topics are approved by New York State Education Department.

ATTACHMENT TO APPENDIX B

Asbestos Awareness

This course must be delivered by one of the following:

1. A provider currently approved by the New York State Department of Health to deliver asbestos safety training.
2. A person holding a current Asbestos Handler certificate from the New York State Department of Labor in the title of: Inspector, Supervisor, Project Monitor, Management Planner, or Project Designer.
3. Anyone otherwise approved by the New York State Education Department.

Minimum course contents must include the following:

1. Definition of asbestos
2. Types and physical characteristics
3. Uses and applications
4. Health effects:
 - a. Asbestos-related diseases
 - b. Risks to families
 - c. Cigarette smoking
 - d. Lack of safe exposure level
5. Employer-specific procedures to follow in case of potential exposure, including making a supervisor or building owner immediately aware of any suspected incidental asbestos disturbance so that proper containment and abatement procedures can be initiated promptly.

Notwithstanding the above course requirement, employers are advised that they must also be in compliance with New York State Department of Labor Industrial Code Rule 56 at all times.

Employers are further advised, and must advise all apprentices, that completion of the above course requirement does not authorize any person to remove, encapsulate, enclose, repair, disturb, or abate in any manner, any friable or non-friable asbestos, asbestos containing material, presumed asbestos containing material, or suspect miscellaneous asbestos containing material.