

BRICKLAYER-MASON & PLASTERER

APPENDIX A

O*NET 47-2021.00

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 training or classroom instruction.

WORK PROCESSES

	Approximate Hours
A. Following OSHA Safety Practices	75
1. Following all applicable OSHA regulations, standards and rules on-the-job	
B. Care, Use, and Maintenance of Tools and Equipment	350
1. Care, safe use, and maintenance of tools and equipment including:	
a. trowels	
b. hammer and chisel	
c. plumb bob and level	
d. scaffolding	
e. saws	
f. welding equipment	
C. Laying Masonry Units	2,500
1. Laying out work from plans, blueprints, or specifications	
2. Mixing mortar, grout, and patent mortars	
3. Building corner leads, or using corner poles (masonry guides)	
4. Stretching line to guide courses of masonry units	
5. Spreading bed of mortar	
6. Aligning courses vertically and horizontally	
7. Removing excess mortar	
8. Cutting and sawing masonry units	
9. Installing door and window lintels	
10. Repairing masonry units; replacing missing units	

D. Laying Specialty Masonry Units	600
1. Laying:	
a. glass block	
b. structural tile	
c. autoclaved aerated concrete	
d. refractory brick	
e. terra cotta	
E. Building Masonry Footings and Foundations	200
F. Building Masonry Arches, Columns, Piers, And Corners	400
G. Building Masonry Fireplaces and Chimneys	200
H. Installing Masonry Panels	50
I. Laying Stone	1,000
1. Shaping and trimming stone	
2. Laying out work from plans, blueprints, or specifications	
3. Mixing mortars	
4. Spreading bed of mortar	
5. Laying first stone	
6. Laying additional courses of mortar and stone	
7. Aligning and leveling stones vertically and horizontally	
8. Finishing joints between stones	
9. Anchoring stones to a wall by welding or bolting	
10. Constructing trim, sills, arches and coping (optional)	
11. Cleaning finished surfaces and structures	
12. Repairing and replacing stones	
13. Installing prefab stone panels	
J. Plastering	950
1. Scratching and browning	
2. Lining, dotting, screeding	
3. White coating	
K. Specialty Plastering	1,250
1. Sandfinishing and texture finishing	
2. Acoustical plastering	

3. Applying plaster veneers
4. Applying stucco

L. Plaster Ornamentation

425

1. Making molds and templates
2. Running cornice and mitering
3. Sticking ornaments

Approximate Total Hours 8,000

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>

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APPENDIX B

RELATED INSTRUCTION

Safety

1. Construction safety
2. OSHA 10-Hour Construction Course – if required for Public Work
3. Material handling and storage
4. Proper lifting techniques
5. Fall protection
6. Scaffold safety
7. Materials safety data sheets
8. Asbestos Awareness – minimum 4 hours (see attachment)
9. Alcohol and drug awareness
10. First aid – minimum 6.5 hours every 3 years
11. Sexual Harassment Prevention Training – must comply with Section 201-g of the Labor Law

Blueprints

1. Blueprint reading
2. Sketching
3. Layout

Mathematics

1. Trade math
2. Estimating materials

Trade Theory and Science

1. Orientation to the trade
2. Use of tools and equipment
3. Mortars: types and application

Bricklaying

1. Code requirements
2. Line attachment and setting trigs
3. Masonry bonds

4. Transits, water levels, lasers
5. Lintels, sills and arches
6. Glass block
7. Fireplaces
8. Introduction to restoration and retrofitting

Stone Masonry

1. Building code specifications
2. Stone bonds and patterns
3. Expansion joints
4. Cleaning, sealing and finishing
5. Masonry restoration

Plastering

1. Preparing proper plastering bases
2. Application of bases
3. Dotting, rodding, and screeding
4. Preparation of material
5. Application of interior and exterior plasters
6. Application of all plaster textures
7. Benchwork (template)

Other

1. Industrial history and labor relations (20 hours)

Additional Recommended Courses

1. Diversity in the workplace
2. Cooperative working skills

A minimum of 144 hours of Related Instruction is 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.