

## STONEMASON – 3 YEARS

### 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 or classroom training.

### WORK PROCESSES

	<b>Approximate Hours</b>
<b>A. Safe Use, and Maintenance, of All Trade-Related Tools and Equipment</b>	<b>262.5</b>
<b>B. Preparing Sub-Straits for Stone Installation (all vertical and horizontal applications)</b>	<b>225</b>
<b>C. Installing Anchoring Systems</b>	<b>112.5</b>
<b>D. Setting Stone, Natural, Cast, and Pre-Cast Concrete, using Traditional and Modern Anchoring Methods (vertical applications)</b>	<b>1125</b>
<b>E. Setting Stone, Natural and Cast, Using All Traditional And Modern Methods (horizontal applications)</b>	<b>1125</b>
<b>F. Mixing Mortars</b>	<b>60</b>
<b>G. Stone Maintenance and Restoration</b>	<b>150</b>
<b>H. Pointing, Caulking &amp; Cleaning and Grouting</b>	<b>93.75</b>
<b>I. Stone Fabrication</b>	<b>168.75</b>
<b>J. Cutting and Carving Stone</b>	<b>900</b>
<b>K. Welding, Certified as Required</b>	<b>270</b>
<b>L. Installation of AAC Panels and Blocks</b>	<b>7.5</b>
<b>Approximate Total Hours</b>	<b>4500</b>

*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>*

## **STONEMASON – 3 YEARS**

### **APPENDIX B**

#### **RELATED INSTRUCTION**

##### **Safety and Health**

1. OSHA Construction Safety 1926 (30 hours)
2. First Aid/CPR – minimum 6.5 hours every 3 years
3. Sexual Harassment Prevention Training – must comply with Section 201-g of the Labor Law
4. Proper Lifting Techniques
5. Scaffold Safety (including local certification if required)
6. Drug and Alcohol Awareness
7. Materials Safety Data Sheets
8. Preventing Silicosis
9. Asbestos Safety
  - a. If apprentice will do any handling of asbestos:
    - i. Successfully complete a course approved by the New York State Department of Health for “Asbestos Handler” and obtain, and keep current, an “Asbestos Handler (Worker)” certificate from the New York State Department of Labor. If apprentice will do no handling of asbestos: Asbestos Awareness – minimum 4 hours (see attachment)

##### **Blueprints and Specifications**

1. Blueprint Reading
2. Sketching
3. Building Code Specifications

##### **Mathematics**

1. Trade Mathematics
2. Materials Estimating

##### **Trade Theory and Science**

1. Orientation
2. Use of Tools and Equipment
3. Introduction to Stone (geology, quarrying)
4. Cleaning, Sealing and Finishing

5. Bonds and Patterns
6. Masonry Restoration
7. Layout from Drawings
8. Expansion Joints
9. Advanced Topics/New Technologies

**Interpersonal Workplace Skills**

1. Diversity in the Workplace
2. Industrial and Labor Relations (20 hours)
  - a. History and Background (6 hours, first year)
  - b. Current Laws and Practices (14 hours, second year)

A minimum of 144 hours of Related Instruction is required for each apprentice for each of the 3 years of the apprenticeship.

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.**