

# LATHER (CARPENTER)

## APPENDIX A

O\*NET 47-2031.01

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. General Safety</b>  | <b>60</b>                |
| 1. Following safety procedures for working on a construction site |                          |
| 2. Using standard hand signals                                    |                          |
| 3. Safe use of ladders and lifts                                  |                          |
| <b>B. Materials and Handling</b>                                  | <b>180 – 200</b>         |
| 1. Demonstrating knowledge of the materials of the trade          |                          |
| 2. Safely loading, unloading, storing materials                   |                          |
| 3. Safe operation of forklift                                     |                          |
| 4. Safe rigging   |                          |
| <b>C. Scaffolds and Lifts</b>                                     | <b>120 – 160</b>         |
| 1. Safely using aerial lifts                                      |                          |
| 2. Safely building and using frame scaffolding and rolling tower  |                          |
| <b>D. Tools</b>   | <b>65 – 100</b>          |
| Safely using and caring for:                                      |                          |
| 1. hand tools   |                          |
| 2. portable power tools   |                          |
| 3. lathing tools  |                          |
| 4. powder actuated tools  |                          |
| 5. leveling devices   |                          |
| <b>E. Fastening Systems</b>                                       | <b>40 – 80</b>           |
| 1. Knowledge of various fastening systems                         |                          |

2. Selection of appropriate system for job

**F. Blueprints** **40 – 60**

1. Accurately reading building blueprints
2. Accurately reading building plans
3. Accurately reading specifications

**G. Layout** **80 – 100**

1. Layout of lath and accessories:
  - a. walls
  - b. floors
  - c. ceilings
  - d. columns, pilasters, partitions
2. Layout of circles and curves

**H. Framing** **975 – 1500**

1. Metal wall framing
2. Installing soffits and fascias
3. Installing free-form lath

**I. Installation of Metal Lath and Accessories** **1,000**

1. Application of metal lath on floors
2. Application of metal lath on ceilings (plain and arch)
3. Application of metal lath on columns, pilasters, walls and partitions
4. Application of metal lathing and plastering accessories including;
  - a. metal corner beads & guards and expansion beads
  - b. casing beads and plaster stops
  - c. picture mold
  - d. chair rail
  - e. base screed
  - f. metal base
  - g. ceiling runners or tracks
  - h. access doors
  - i. other similar accessories attached before plastering
5. Leveling lath and accessories, using laser or water level

- J. Installation of Pre-Plastering Materials 1,000**
1. Installation of gypsum lath and exterior lathing material, using fasteners and hand/power tools
  2. Installation of metal lath or any material used as a base for plaster acoustical material
  3. Installation of cornerites, beads, stops, all other accessories
  4. Installation of veneer board and all accessories needed for it
- K. Installation of Ceiling Systems 1,625 – 2,500**
1. Plaster ceiling systems in their entirety (exclusive of actual plastering)
  2. Exposed grid ceilings
  3. Fire-rated exposed grid systems
  4. Fire-rated, semi-exposed grid systems
  5. Concealed systems requiring carrying channels
  6. Barrel ceiling
- L. Welding and Cutting 300**
1. SMAW (light gauge)
  2. GMAW (light gauge)
  3. Oxyacetylene cutting
- M. Supplemental Skills 515 – 940**
- To be selected from the following:
1. groin ceiling
  2. dome ceiling
  3. plasma cutter
  4. computer skills
  5. access floors
  6. cleanroom protocol

**Approximate Total Hours 6,000 – 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>*

**LATHER (CARPENTER)**  
**APPENDIX B**  
**RELATED INSTRUCTION**

**Safety and Health**

1. General safety
2. OSHA 10-hour construction course
3. Fall protection
4. Scaffolding safety and regulations
5. Proper lifting techniques
6. Asbestos Awareness – minimum 4 hours (see attachment)
7. First Aid/CPR – minimum 6.5 hours every 3 years

**Blueprints**

1. Blueprint reading: basic and advanced
2. Plan and specification reading
3. Layout, including circle and curves

**Mathematics**

1. Fundamentals
2. Math for carpenters

**Trade Science**

1. Orientation to the industry
2. Materials of the trade and handling
3. Forklift operation
4. Rigging
5. Aerial lifts
6. Introduction to scaffolding
7. Frame scaffolding
8. Tube & clamp scaffolding
9. Systems scaffolding
10. Hand tools
11. Portable power tools
12. Lathing tools
13. Powder actuated tools

14. Fastening systems
15. Metal wall framing
16. Soffits and fascias
17. Lath applications
18. Free-form lath
19. Leveling devices
20. Introduction to ceiling systems
21. Suspended lath
22. Light gauge welding (SMAW and GMAW)
23. Introduction to oxyacetylene cutting
24. Barrel ceiling
25. Groin ceiling
26. Dome ceiling

### **Interpersonal Workplace Skills**

1. Industrial and Labor Relations (20 hours)
2. History and background (6 hours, 1<sup>st</sup> year)
3. Current laws and practices (14 hours, 2<sup>nd</sup> year)
4. Sexual Harassment Prevention Training – must comply with section 201-g of the Labor Law

### **Suggested Additional Course**

1. Computer 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.**