



OCT 6 2011

APPENDIX A

APPRENTICE TRAINING
CENTRAL OFFICE

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CARPENTER

D.O.T. CODE 860.381.022

O*NET CODE 47.2031.01

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(As revised for Carpenters JATC of NYC & Vicinity – 07/07/11)

This training outline represents minimum standards for work processes and related instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom instruction.

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APPRENTICESHIP UNIT

WORK PROCESSES

Approximate Hours

- | | | |
|----|--|---|
| A. | <u>Tools and Materials</u> <ol style="list-style-type: none">1. Care, cleaning, and safe use of tools, measuring devices, 'A' frames and pallet jacks2. Unloading of trade materials and distribution of same on job site for installation3. Identifying trade materials | 500 – 800 |
| B. | <u>Concrete Form Building</u> <ol style="list-style-type: none">1. Layout of axis lines and footings, grade beams, and foundation walls using batter boards2. Layout of column lines, wall lines and stair openings, elevator openings on concrete slabs3. Manufacturing and erecting concrete forms to include column, wall, stair, elevator openings and deck forms for stick framing4. Stripping and re-working forms for re-use for stick framing5. Installation of manufactured form systems to include column, wall and deck slab forms6. Reshore concrete slabs as per local area building codes7. Layout and placement of anchor bolts and miscellaneous imbedded items in concrete slabs8. Erecting a scaffold to support concrete beams and deck forms, and dismantling of same9. Using builders level and laser to level concrete slabs and beams | 1175 – 1800 |
| C. | <u>House Framing</u>
Framing floors, walls, roofs, stairs | (67 hours of Related Instruction, including 47 hours of hands-on) |

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D. Outside Finishing
Including doors, hardware, windows

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(37 hours of
Related
Instruction,
including 27
hours of
hands-on)

E. Interior Trim and Finishing

1175 – 1800

1. Installation of door frames (bucks)
2. Installation of doors
3. Installation of door hardware
4. Installation of moldings and trim
5. Installation of commercial cabinetry, counter tops
6. Installation of office work stations (exclusive of electrical work)
7. Installation of nail down wood flooring and subflooring

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F. Acoustic/Suspended Ceilings
Ceilings – Laying out, cutting, assembling and installing materials and component parts:

1175 – 1800

1. hangers, channels, furring and backing boards
2. ceiling angles on molding
3. main bars, cross tees, splines
4. stiffeners and braces
5. ceiling tiles, panels

G. Drywall

1175 - 1800

Walls and ceiling partitions – layout, measuring, cutting, assembling, erecting, material installation applications:

1. layout, axis lines, benchmarks
2. floor and ceiling track
3. studs, stiffeners, bracing and grounds
4. furring channels
5. laying out, framing, enclosing vents, light wells and miscellaneous openings
6. wall angles; corner beads, L-beads and arch beads
7. fascia and soffit work
8. drywall installation on metal framing
9. drywall lamination, chase walls, shaft walls
10. thermal and sound insulation applications, if in keeping with area practices
11. fire-proofing columns, beams, chases
12. door buck installation
13. fire stop materials installation, if in keeping with area practices

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H.	<u>Scaffold and Rigging</u> (optional*)	0 – 1200
	1. Material rigging, hoisting and signaling	
	2. Scaffold erection and dismantling	
I.	<u>Shoring</u> (if in keeping with area practices) (optional*)	0 – 1200
	1. Timber shoring	
	2. Hydraulic shoring	
	3. Horizontal shoring	
	4. Vertical wood shoring	
J.	<u>Miscellaneous</u> (if in keeping with area practices) (optional*)	0 – 200
	1. Building walkways	
	2. Building sheds	
	3. Building weather protection devices and structures	
	4. Erecting fencing	
K.	<u>Hazardous Materials</u> (optional*)	0 – 75
	1. Asbestos abatement	
	2. Handling and disposing of other hazardous materials	

Total Hours 5,200 – 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
<http://www.labor.state.ny.us/workerprotection/publicwork/PDFs/Article8FAQS.pdf>.*

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APPENDIX BCARPENTERAPPRENTICE TRAINING
CENTRAL OFFICERELATED INSTRUCTION

(As revised for Carpenters JATC of NYC & Vicinity – 07/07/11)

Safety & Health

Accident Prevention, Fall Arrest & Protection, Safety Hazards, State and Federal safety Codes and Regulations. OSHA Regulatory Requirements.

OSHA 10-Hour Construction Course

Drug and Alcohol Awareness

First Aid/CPR/AED – minimum 6.5 hours every 3 years

Blood-borne Pathogens

Confined Space Safety

Hazard Awareness, MSDS, Chemical Hazards

Asbestos Safety:

If apprentice will do any handling of asbestos:

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)

Ergonomics

Hazardous Waste Worker (if Work Process “K” is elected)

New York City Scaffold Erector Certificate

Aerial Lift Operator

Math

Review and Application of Basic Mathematics, as Needed

Estimating

Measuring

Blueprints

Elementary Blueprint Reading - Residential

Advanced Blueprint Reading – Residential and Commercial

Layouts

Sexual Harassment Prevention Training (minimum 3 hours)Trade Science and Theory

Carpentry and the Other Skilled Construction Trades

Tools and Materials of the Trade

State and Local Building Codes

Types of House Foundations

House Framing I and II

Exterior Finishes (including doors, hardware, windows, exterior siding)

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Carpenter Related Instruction – continued

Interior Finishes I and II

Solid Surfaces

Concrete Form Construction I and II

Firestop Installation

Suspended Ceiling Layout and Grid Installation – Basic and Advanced

Drywall Metal Framing – Basic and Advanced

Drywall Application – Basic and Advanced

Shoring (if Work Process “I” is elected)

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A minimum of 148 hours of Related Instruction is required for each apprentice for each year.

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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:
 - Asbestos-related diseases
 - Risks to families
 - Cigarette smoking
 - 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.