

OCCUPATIONAL TOOLS AND EQUIPMENT LIST

Carpenter



Government of Newfoundland Labrador
Department of Education and Early Childhood Development
Apprenticeship and Trades Certification Division

November 2023

Preface

This document is intended as a companion to the 2024 Atlantic Apprenticeship Curriculum Standard (AACS) for the **Carpenter** occupation. It identifies the necessary tools and equipment required by apprentices and training institutions for the completion of apprenticeships.

Acknowledgements

Advisory committees, industry representatives, instructors and apprenticeship staff provided valuable input to the development of this document. Without their dedication to quality apprenticeship training, this document could not have been produced.

We offer you a sincere thank you.

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Note:

The numbers suggested in the following Tools and Equipment List represent the required minimum. Please verify this list with your selected training institution.

Tools and Equipment List
Carpenter

| SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT | | | |
|---|--------------------------------------|---|--------------------------------|
| Item | Units for Individual Students | Required for Entry (E) Advanced (A) Both (B) | Comments |
| TOOL | | | |
| Aviation Snips (Straight) | 1 | B | Colour - yellow |
| Block Plane | 1 | B | |
| Calculator | 1 | B | |
| Carpenter's Pencil | 2 | B | |
| Carpenter's Tool Belt | 1 | B | |
| Chalk Line | 1 | B | |
| Claw Hammer | 1 | B | |
| Combination Rip/Crosscut Saw | 1 | B | |
| Coping Saw | 1 | B | |
| Dry Line (String) | 1 | B | |
| Drywall Saw | 1 | B | |
| Ear protection | 2 | B | |
| Hard Hat | 1 | B | Type 1, Class E - CSA approved |
| Knee Pads | 1 pair | B | |
| Level (24 in.) | 1 | B | |
| Measuring Tape (Metric & Imperial Combination) | 1 | B | |
| Multi-purpose Screwdriver | 1 | B | |
| Nail Puller | 1 | B | |

SECTION A: TOOLS AND EQUIPMENT REQUIRED BY STUDENT

| Item | Units for Individual Students | Required for Entry (E) Advanced (A) Both (B) | Comments |
|--|-------------------------------|---|--------------------------------------|
| Nail Set | 1 | B | |
| Safety Boots | 1 | B | CSA Standard Z195-14 CSA Approved |
| Safety Glasses | 1 | B | Z87 CSA approved |
| Sliding T Bevel | 1 | B | |
| Spade Bit Set (1/4 in. – 1 1/4 in.) | 1 Set | B | |
| Square: • Rafter Angle (Speed Square) • Framing (Imperial) complete with rafter tables | 1 of each | B | |
| Utility Knife | 1 | B | |
| Wood Chisel • 1/4 in. • 1/2 in. • 3/4 in. • 1 in. | 1 set | B | |
| Work Gloves | 1 | B | |

Note: If identifying sets, please include specific information.

| SECTION B: TOOLS AND EQUIPMENT REQUIRED BY TRAINING INSTITUTION | | | | |
|--|----------------------------------|--|--|-----------------|
| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
| HAND TOOLS | | | | |
| Adjustable Wrench (10 in.) | 1 | 15 | B | |
| Allen / Hex Key • Metric • Imperial | 2 of each | 8 | B | |
| Auger Bits (1/4 in. – 1 in.) | 1 set | 15 per set | B | |
| Aviation Snips: • Straight (yellow) • Left (red) • Right (green) | 3 of each | 5 per each | B | |
| Bit Extension | 1 | 15 | B | |
| Bolt Cutters | 1 | 15 | B | |
| Builder's Level Tripod | 1 | 15 | B | |
| Butt Hinge Marker (3 in.) | 1 | 15 | E | |
| Clamps: • C-Clamp • Ceiling Lever Action • Bar • Spring • Mitre | 15 30 15 30 1 | Per 15 | B | |
| Callipers: • Inside • Outside | 1 of each | 15 for each | B | |

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY
 TRAINING INSTITUTION**

| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|--|--------------------------|---------------------------------|--|---------------|
| Carbide Router Bits: <ul style="list-style-type: none"> • Round • Straight Cut • Flush Cut • Cove • Ogee | 1 of each | 15 per each | B | |
| Caulking Gun | 2 | 8 | B | |
| Circle Cutter | 1 | 15 | B | |
| Chain Saw File | 1 | 15 | E | |
| Chalk Line | 3 | 5 | B | |
| Hammer: <ul style="list-style-type: none"> • Claw • Framing • Drywall | 3 3 1 | 5 | B | |
| Square: <ul style="list-style-type: none"> • Rafter Angle (Speed Square) • Framing (Imperial /Metric) • Combination • Try • T-square | 3 of each | 5 | B | |
| Concrete Edger | 1 | 15 | B | For demo only |
| Concrete Float | 1 | 15 | B | For demo only |
| Concrete Trowel | 1 | 15 | B | For demo only |
| Center Punch | 3 | 5 | B | |
| Cold Chisel | 1 | 15 | B | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|--|--------------------------|---------------------------------|--|----------|
| Saw: | | | | |
| • Rip | 1 | | | |
| • Cross cut | 1 | | | |
| • Combination | 3 | | | |
| • Hacksaw | 2 | | B | |
| • Backsaw | 5 | | | |
| • Coping | 5 | | | |
| • Dovetail | 1 | | | |
| • Drywall | 5 | | | |
| Dividers | 1 | 15 | B | |
| Drill Bits: | | | | |
| • High speed steel (HSS) (1/16 in. – 1/2 in.) | | | | |
| • Wood (1/16 in. – 1/2 in.) | | | | |
| • Masonry (1/8 in. – 1/2 in.) | | | | |
| • Forstner (1/4 in. – 2 in.) | | | | |
| • Spade (1/4 in. – 1 1/4 in.) | | | | |
| • Impact driver bits | | | | |
| • Countersink | | | | |
| Dry Line (String) | 3 | 5 | B | |
| Files: | | | | |
| • Half Round | | | | |
| • Round | | | | |
| • Flat | | | | |
| • Triangular | | | | |
| • Rasp | | | | |
| 1 of each | | 15 per each | B | |
| Bar: | | | | |
| • Flat | | | | |
| • Crow | | | | |
| • Wrecking | | | | |
| 2 of each | | 8 | B | |
| Hammer Tacker | 1 | 15 | B | |
| Hinge Template Kit | 1 kit | 15 per kit | B | |

**SECTION B: TOOLS AND EQUIPMENT REQUIRED BY
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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|--|-----------------------------|---------------------------------|--|----------|
| Hole Saw Kit (3/4 in. – 2 1/2 in.) | 1 kit | 15 per kit | B | |
| Hydraulic Jack | 2 | 15 | B | |
| Plane: | | | | |
| • Block • Jack • Smooth • Jointer • Surform | 1 of each | 15 | B | |
| Laminate Trimmer | 1 | 15 | B | |
| Laminate Cutter | 1 | 15 | B | |
| Lathe chisels | 1 set | 15 per set | E | |
| Level: | | | | |
| • Builder's • Laser • Hand (2 ft.) • Hand (4 ft.) • Line • Torpedo • Water | 1 1 2 2 1 1 | 15 | B | |
| Lock Installation Jig | 1 | 15 | B | |
| Mallet | 2 | 8 | B | |
| Tape: | | | | |
| • Measuring (Metric & Imperial Combination) • Surveyor's – 50 ft. • Surveyor's – 100 ft. | 4 1 of each 1 of each | 4 | B | |
| Nail Puller | 3 | 5 | B | |
| Nail Set | 3 | 5 | B | |
| Nut Driver | 2 sets | 8 per set | B | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|---|--------------------------|---------------------------------|--|----------|
| Oil Stones | 2 | 8 | B | |
| Pliers: | | | | |
| • Needlenose | | | | |
| • Linesman | | | | |
| • Side Cutters | | | | |
| • Nipping | | | | |
| 1 of each | | 15 | B | |
| Plumb Bob (8 oz.) | 6 | 2 | B | |
| Pocket Hole Jig | 1 | 15 | B | |
| Punches | 1 set | 15 per set | B | |
| Rotary Cut-out accessories | 1 kit | 1 per 15 | B | |
| Scratch Awl | 1 | 15 | B | |
| Screwdriver: | | | | |
| • Philips | | | | |
| • Robertson | | | | |
| • Slotted | | | | |
| • Multi-purpose | | | | |
| 3 of each | | 5 per each | B | |
| Siding Nail Hole Punch | 2 | 8 | B | |
| Siding Removal Tool | 6 | 2 | B | |
| Siding Snap Lock Punch | 2 | 8 | B | |
| Sliding T Bevel | 3 | 5 | B | |
| Stair Gauges | 1 set | 15 per set | B | |
| Strip Flooring Fastener (Hardwood Floor Nailer and Flooring Mallet) | 1 | 15 | B | |
| Surveyor's Rod: | | | | |
| • Metric/Imperial Combination | | | | |
| • Engineering | | | | |
| 1 of each | | 15 per each | B | |
| Trammel Points | 1 | 15 | B | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|---------------------------------|--------------------------|---------------------------------|--|----------|
| Tripod laser level | 1 | 15 | B | |
| Utility Knife | 3 | 5 | B | |
| Wall Jack Lift | 1 | 15 | B | |
| Wood Chisel: | | | | |
| • 1/4 in. | | | | |
| • 1/2 in. | 3 sets | 5 per set | B | |
| • 3/4 in. | | | | |
| • 1 in. | | | | |
| Sheet Metal Brake | 1 | 15 | B | |
| Staple Gun | 6 | 3 | B | |
| PORABLE POWER TOOLS | | | | |
| Air Compressor (Portable) | 3 | 5 | B | |
| Angle Grinder | 1 | 15 | B | |
| Biscuit Joiner | 1 | 15 | B | |
| Chain Saw (Electric or Battery) | 1 | 15 | E | |
| Cordless Impact Driver | 3 | 5 | B | |
| Concrete Vibrator | 1 | 15 | B | |
| Nailer: | | | | |
| • Framing | 1 | | | |
| • Finishing (Brad) | 5 | | | |
| • Pin (23 gauge) | 1 | | | |
| • Palm | 1 | | | |
| • Roofing | 1 | | | |
| Drill: | | | | |
| • Cordless (3/8 in.) | 3 | | | |
| • Electric (1/2 in.) | 3 | | | |
| • Hammer (1/2 in.) | 3 | | | |
| • Drywall Gun | 1 | | | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|--|----------------------------|---------------------------------|--|----------|
| Heat Gun | 1 | 15 | B | |
| Narrow Crown Stapler | 1 | 15 | B | |
| Powder-Actuated Tool | 1 | 15 | E | |
| Rotary Cut-out Tool | 1 | 15 | B | |
| Router: <ul style="list-style-type: none"> • Plunge • Trimmer | 1 of each | 15 | B | |
| Sander: <ul style="list-style-type: none"> • Oscillating • Random Orbital Sander • Belt | 1 2 1 | 15 | B | |
| Saw: <ul style="list-style-type: none"> • Circular • Jamb • Jig • Mitre – Sliding Compound • Reciprocating • Table (Portable) | 5 1 2 1 1 1 | | B | |
| STATIONARY POWER TOOLS | | | | |
| Bench Grinder | 1 | 15 | B | |
| Drill Press | 1 | 15 | B | |
| Jointer | 1 | 15 | B | |
| Lathe | 1 | 15 | E | |
| Router Table / Shaper | 1 | 15 | B | |
| Saw: <ul style="list-style-type: none"> • Band • Table | 1 of each | 15 | B | |
| Thickness Planer | 1 | 15 | B | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|--|--------------------------|---------------------------------|--|----------|
| FASTENERS | | | | |
| Nail: <ul style="list-style-type: none"> • Brad (1/2 in. – 2 in.) • Pin 23 gauge (1/2 in. – 1 1/2 in.) • Framing • Box • Casing • Finishing • Fascia • Roofing • Siding • Duplex • Joist Hanger | 1000 of each | Per 15 | B | |
| Screws: <ul style="list-style-type: none"> • Drywall • Deck • Countersink • Self-tapping • Round head • Lag • Pocket hole | 1000 of each | Per 15 | B | |
| Staples: <ul style="list-style-type: none"> • Staple Gun • Crown • Flooring Gun | 1000 of each | Per 15 | B | |
| Hangers: <ul style="list-style-type: none"> • Single Joist • Double Joist • Hurricane Clip | 1 of each | Per 15 | B | |
| Biscuits (size 0, 10 and 20) | 1 pkg. of each | Per 15 | B | |

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|---|--------------------------|---------------------------------|--|----------|
| Bolts: <ul style="list-style-type: none"> • Lag • Anchor • Carriage | 12 of each | Per 15 | B | |
| EQUIPMENT | | | | |
| Battery Packs | 2 per tool | --- | B | |
| Battery Chargers | 1 per tool | --- | B | |
| Broom | 6 | 3 | B | |
| Calculator | 3 | 5 | B | |
| Carpenter's Pencil | 5 | 3 | B | |
| Dust Collector | 1 | 15 | B | |
| Extension Cords | 6 | 3 | B | |
| Garbage Container | 6 | 3 | B | |
| Pick Axe | 1 | 15 | B | |
| Ruler: <ul style="list-style-type: none"> • Architectural • Engineering • Metric • Bench | 5 of each | 3 | B | |
| Shop Vac (Wet / Dry) | 1 | 15 | B | |
| Shovel: <ul style="list-style-type: none"> • Round top • Square top | 1 6 | | B | |
| Sledgehammer (6 lbs.) | 3 | 5 | B | |
| Wheelbarrow | 1 | 15 | B | |
| REPLACEMENT ACCESSORIES | | | | |

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|---|---|---------------------------------|--|----------|
| Blades (Replacement): <ul style="list-style-type: none"> • Circular Saw • Coping saw • Dado • Jig saw • Jointer • Planer • Reciprocating • Table saw • Utility • Hook • Laminate cutter | 10 3 1 set 2 pkgs 1 1 6 2 1 pkg 1 pkg 1 | | B | |
| Chalk Refill (1.5 L container) | 2 | 8 | B | |
| Sanding discs/belts | Multiple sizes | Per 15 | B | |
| Grinding Disc | 2 | | B | |
| Chain Saw Chain | 1 | 15 | B | |
| Shot and Nail (multiple colours) | 1 box | 15 | B | |
| Sandpaper | Multi-pack | 15 | B | |
| Wire: <ul style="list-style-type: none"> • Tie • Hanger | 1 roll/pkg | 15 | B | |
| ACCESS EQUIPMENT | | | | |
| Scaffolding: <ul style="list-style-type: none"> • Frames • Decks • Braces • Jacks • Castors | 6 2 6 4 8 | 15 per set | B | |
| Roof Brackets | 2 | 8 | B | |
| Pump Jack | 1 | 15 | B | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|---|---------------------------------------|---------------------------------|--|---------------------------------|
| Step Ladder – 6 ft. | 6 | 3 | B | |
| SAFETY EQUIPMENT | | | | |
| Chain Saw Kit: <ul style="list-style-type: none"> • Boot Covers • Leg Chaps • Helmet with Face Shield • Hearing Protection • Gloves | 1 kit | 15 per kit | E | |
| Dust Mask | 1 box | 15 | B | |
| Eye Wash Station | As required by OHS regulations | -- | B | |
| Face Shield | 2 | 8 | B | |
| Fire Blanket | As required by fire regulations | -- | B | |
| Fire Extinguisher | As required by OHS regulations | -- | B | |
| First Aid Station | As required by OHS regulations | -- | B | Including First Aid Kit |
| Hard Hat | 3 | 5 | B | Type 1, Class E CSA approved |
| Hearing Protection | 15 per day | 1 per day | B | CSA approved |
| Safety Eyewear | | | | Z87 CSA approved |
| Work Gloves | 3 | 5 | B | |
| Reflective Vest | 15 | 1 | B | |
| FALL PROTECTION | | | | |
| Lanyards | 2 | 8 | B | |

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| Item | Units per 15 Students | Maximum Students per Unit | Required for Entry (E) Advanced(A) Both (B) | Comments |
|--------------------------------|--------------------------|---------------------------------|--|----------|
| Safety Harness | 2 | 8 | B | |
| Life Lines | 2 | 8 | B | |
| Rope Grabs | 2 | 8 | B | |
| Anchors | 2 | 8 | B | |
| RIGGING EQUIPMENT | | | | |
| Block and Tackle | 1 | 15 | B | |
| Come-a-long: | | | | |
| • Cable | 1 of each | 15 of each | B | |
| • Chain | | | | |
| Slings: | | | | |
| • Chain | 1 of each | 15 | B | |
| • Wire Rope | | | | |
| • Web | | | | |
| • Wire Mesh | | | | |
| • Synthetic Round | | | | |
| Shackles: | | | | |
| • Screw Pin Anchor | 1 of each | 15 | B | |
| • Round Pin Anchor | | | | |
| • Safety Round Pin | | | | |
| • Screw Pin Chain | | | | |
| • Safety Round Pin Chain | | | | |
| • Flat Bottom Synthetic Web | | | | |
| Chain Fall Hoist | 1 | 15 | B | |
| Beam: | | | | |
| • Equalizer | 1 of each | 15 | B | |
| • Spreader | | | | |
| Fibre Rope (150 linear ft.) | 1 | 15 | B | |
| Hook with Safety Latch | 1 | 15 | B | |

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|--|--------------------------|---------------------------------|--|----------|
| Wire Rope Clips: <ul style="list-style-type: none"> • Fist grip • U-bolt | 3 of each | 5 | B | |
| Master Link | 1 | 15 | B | |
| Eye Bolt: <ul style="list-style-type: none"> • Shoulderless • Shouldered • Swivel hoist ring | 1 of each | 15 | B | |
| Turnbuckles (Eye, Clevis, Stub and Hook) | 1 each | 15 each | B | |
| Wedge Socket | 1 | 15 | B | |

Note: If identifying sets, please include specific information.