

## Carpenter NOA (2010) Subtask to Unit Comparison

NOA Subtask		Manitoba Unit(s)
<b>Task 1 - Uses tools and equipment.</b>		
1.01	Uses hand tools.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.02	Uses portable power tools.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.03	Uses stationary power tools.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.04	Uses powder-actuated tools.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.05	Uses pneumatic tools and equipment.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.06	Uses rigging and hoisting equipment.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.07	Uses layout instruments.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application
1.08	Uses tack welding equipment. (Not Common Core)	n/a
1.09	Uses torch cutting equipment. (Not Common Core)	n/a
1.10	Uses personal protective equipment (PPE).	A0.2 Trade Safety Awareness A3.1 Personal Protective Equipment A3.2 Fall Protection A3.3 Working Environments A3.4 Industrial Health Hazards
<b>Task 2 - Uses building materials.</b>		
2.01	Selects materials.	A1.1 Wood and Wood Products A1.2 Non-Wood Products A1.3 Concrete and Concrete Products A1.6 Fasteners, Adhesives A1.7 Building Envelope D1.2 Roof Coverings Theory D1.3 Exterior Wall Coverings and Trim
2.02	Handles materials.	A2.1 Tools and Equipment – Theory A2.2 Tools and Equipment – Application A3.4 Industrial Health Hazards A7.1 Ladders and Ramps A7.2 Access and Temporary Structures
2.03	Installs fasteners, adhesives and connectors.	A1.6 Fasteners/ Adhesives Sealants/Fillers
2.04	Installs membranes and sealants.	A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope A5.1 Building-Science Principles A5.2 Building-Science Techniques
2.05	Installs foundation protection.	A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope A5.1 Building-Science Principles A5.2 Building-Science Techniques
2.06	Installs insulating materials.	A1.1 Wood and Wood Products A1.2 Non-Wood Products A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope

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		A5.1 Building-Science Principles A5.2 Building-Science Techniques
<b>Task 3 - Interprets documentation.</b>		
3.01	Interprets construction drawings.	A5.3 Construction Math/Geometry A4.1 Construction Documents A6.1 Site Layout Theory A6.2 Site Layout Application A4.2 Quantity Surveying F2.0 Computer Applications and Carpentry F3.0 Pre-IP Review (including <i>National Building Code</i> )
3.02	Interprets specifications.	A5.3 Construction Math/Geometry A4.1 Construction Documents A6.1 Site Layout Theory A6.2 Site Layout Application A4.2 Quantity Surveying F2.0 Computer Applications and Carpentry F3.0 Pre-IP Review (including <i>National Building Code</i> )
3.03	Applies building codes.	A3.5 Statutory Documents A4.1 Construction Documents A6.1 Site Layout Theory A6.2 Site Layout Application F3.0 Pre-IP Review (including <i>National Building Code</i> )
3.04	Interprets safety and workplace documentation.	A0.2 Trade Safety Awareness A3.1 Personal Protective Equipment A3.2 Fall Protection A3.3 Working Environments A3.4 Industrial Health Hazards A3.5 Statutory Documents A4.1 Construction Documents A7.1 Ladders and Ramps A7.4 Hoardings A7.2 Access and Temporary Structures A7.3 Suspended Access Equipment
<b>Task 4 – Organizes work.</b>		
4.01	Estimates materials.	A5.3 Construction Math/Geometry A4.1 Construction Documents A6.1 Site Layout Theory A6.2 Site Layout Application A4.2 Quantity Surveying F2.0 Computer Applications and Carpentry
4.02	Communicates with others.	A0.1 Orientation to Apprenticeship A4.1 Construction Documents A5.3 Construction Math/Geometry F2.0 Computer Applications and Carpentry F4.0 Orientation to Journeywork
4.03	Schedules work sequence.	A4.1 Construction Documents A5.1 Building-Science Principles A5.2 Building-Science Techniques A6.1 Site Layout Theory A6.2 Site Layout Application F2.0 Computer Applications and Carpentry F4.0 Orientation to Journeywork
4.04	Maintains safe work environment.	A0.2 Trade Safety Awareness A3.1 Personal Protective Equipment A3.2 Fall Protection A3.3 Working Environments A3.4 Industrial Health Hazards A3.5 Statutory Documents A4.1 Construction Documents A7.1 Ladders and Ramps

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		A7.4 Hoardings A7.2 Access and Temporary Structures A7.3 Suspended Access Equipment
4.5	Performs site preparation.	A4.1 Construction Documents A7.1 Ladders and Ramps A7.4 Hoardings A7.2 Access and Temporary Structures A7.3 Suspended Access Equipment A6.1 Site Layout Theory A6.2 Site Layout Application
<b>Task 5 – Performs layout.</b>		
5.01	Performs site layout.	A6.1 Site Layout Theory A6.2 Site Layout Application
5.02	Lays out concrete formwork.	A6.1 Site Layout Theory A6.2 Site Layout Application A4.1 Construction Documents A1.4 Concrete Theory A1.5 Concrete Practice B1.1 Footings, Slab-on-Grade, etc. Forms B1.2 Wall, Column, Pier, etc. Forms B1.3 Stair Forms B2.1 Practicum: Footings, Slab-on-Grade, etc. Forms B2.2 Practicum: Wall, Column, Pier, etc. Forms B2.3 Practicum: Suspended-Slab etc. Forms B2.4 Practicum: Stair Forms
5.03	Lays out floor systems.	A6.1 Site Layout Theory A6.2 Site Layout Application A4.1 Construction Documents C1.1 Beam and Support Framing C1.2 Floor Framing C2.1 Practicum – Frame Floors
5.04	Lays out wall systems.	A6.1 Site Layout Theory A6.2 Site Layout Application A4.1 Construction Documents C1.1 Beam and Support Framing C1.3 Wall and Partition Framing C2.2 Practicum - Frame Walls etc.
5.05	Lays out ceiling systems.	A6.1 Site Layout Theory A6.2 Site Layout Application A4.1 Construction Documents E1.3 Ceilings E2.2 Practicum: Ceilings
5.06	Lays out roof systems.	A6.1 Site Layout Theory A6.2 Site Layout Application A4.1 Construction Documents C1.4 Roof Framing I C2.4 Roof Framing II
5.07	Lays out stairs.	A6.1 Site Layout Theory A6.2 Site Layout Application A4.1 Construction Documents E1.6 Stairs E2.6 Practicum: Stairs
<b>Task 6- Constructs temporary access structures.</b>		
5.01	Uses ladders, ramps and temporary stairs.	A7.1 Ladders and Ramps A7.2 Access and Temporary Structures
5.02	Erects/dismantles scaffolding.	A7.2 Access and Temporary Structures A7.3 Suspended Access Equipment

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<b>Task7 – Constructs formwork.</b>		
7.01	Erects excavation shoring and underpinning.	A0.2 Trade Safety Awareness A3.1 Personal Protective Equipment A3.2 Fall Protection A3.3 Working Environments A3.4 Industrial Health Hazards A3.5 Statutory Documents A4.1 Construction Documents A7.2 Access and Temporary Structures A1.4 Concrete Theory A1.5 Concrete Practice
7.02	Erects concrete shoring.	A0.2 Trade Safety Awareness A3.1 Personal Protective Equipment A3.2 Fall Protection A3.3 Working Environments A3.4 Industrial Health Hazards A3.5 Statutory Documents A4.1 Construction Documents A7.2 Access and Temporary Structures A1.4 Concrete Theory A1.5 Concrete Practice
7.03	Constructs footing forms.	A1.4 Concrete Theory A1.5 Concrete Practice B1.1 Footings, Slab-on-Grade, etc. Forms B2.1 Footings, Slab-on-Grade, etc. Forms
7.04	Constructs wall and grade-beam formwork.	A1.4 Concrete Theory A1.5 Concrete Practice B1.2 Wall, Column, Pier, etc. Forms B2.2 Practicum - Wall, Column, Pier, etc. Forms B1.1 Footings, Slab-on-Grade, etc. Forms
7.05	Constructs slab-on-grade formwork.	A1.4 Concrete Theory A1.5 Concrete Practice B1.1 Footings, Slab-on-Grade, etc. Forms B2.1 Practicum - Footings, Slab-on-Grade, etc. Forms
7.06	Constructs suspended-slab formwork.	A1.4 Concrete Theory A1.5 Concrete Practice B1.5 Suspended-Slab and Beam Forms B2.3 Practicum: Suspended-Slab etc. Forms
7.07	Constructs column formwork.	A1.4 Concrete Theory A1.5 Concrete Practice B1.2 Wall, Column, Pier, etc. Forms B2.2 Practicum, - Wall, Column, Pier, etc. Forms
7.08	Constructs stair formwork.	A1.4 Concrete Theory A1.5 Concrete Practice B1.3 Stair Forms B2.4 Practicum – Stair Forms
7.09	Installs embedded steel.	A1.2 Non-Wood Products A1.3 Concrete and Concrete Products
7.10	Dismantles/maintains formwork.	A1.4 Concrete Theory A1.5 Concrete Practice A3.3 Working Environments A3.4 Industrial Health Hazards A3.5 Statutory Documents A4.1 Construction Documents A7.1 Ladders and Ramps A7.4 Hoardings A7.2 Access and Temporary Structures A7.3 Suspended Access Equipment B1.1 Footings, Slab-on-Grade, etc. Forms B1.2 Wall, Column, Pier, etc. Forms B1.3 Stair Forms B2.1 Practicum: Footings, Slab-on-Grade, etc. Forms

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		B2.2 Practicum: Wall, Column, Pier, etc. Forms B2.3 Practicum: Suspended-Slab etc. Forms B2.4 Practicum: Stair Forms
<b>Task 8 – Installs concrete, cement-based, and epoxy products.</b>		
8.01	Places concrete.	A1.4 Concrete Theory A1.5 Concrete Practice
8.02	Facilitates curing of concrete.	A1.4 Concrete Theory A1.5 Concrete Practice
8.03	Performs basic concrete finishing.	A1.3 Concrete and Concrete Products A1.4 Concrete Theory A1.5 Concrete Practice B1.4 Forms for Precast
8.04	Installs pre-cast components.	A1.3 Concrete and Concrete Products A1.4 Concrete Theory A1.5 Concrete Practice B1.4 Forms for Precast
8.05	Installs grout.	A1.4 Concrete Theory A1.5 Concrete Practice A1.2 Non-Wood Products A1.6 Fasteners/ Adhesives Sealants/Fillers
<b>Task 9 – Constructs floor systems.</b>		
9.01	Installs engineered floor systems.	C1.1 Beam and Support Framing C1.2 Floor Framing C2.1 Practicum – Frame Floors
9.02	Constructs dimensional-lumber floor-framing systems.	C1.1 Beam and Support Framing C1.3 Wall and Partition Framing C2.2 Practicum - Frame Walls etc.
<b>Task 10- Constructs wall systems.</b>		
10.01	Installs engineered wall systems.	C1.1 Beam and Support Framing C1.2 Floor Framing C2.1 Practicum – Frame Floors
10.02	Constructs dimensional-lumber wall-framing systems.	C1.1 Beam and Support Framing C1.3 Wall and Partition Framing C2.2 Practicum - Frame Walls etc.
<b>Task 11- Constructs roof and ceiling systems.</b>		
11.01	Installs engineered trusses.	C1.1 Beam and Support Framing C1.4 Roof Framing I C2.4 Roof Framing II
11.02	Constructs roof and ceiling framing systems.	C1.1 Beam and Support Framing C1.4 Roof Framing I C2.4 Roof Framing II E1.3 Ceilings E2.2 Practicum: Ceilings E1.8 Interior Finish E2.8 Practicum: Interior Finish
<b>Task 12 - Installs exterior doors and windows.</b>		
12.01	Installs exterior jambs/frames	A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope D1.1 Window Theory D2.1 Practicum - Windows
12.02	Installs exterior doors.	A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope E1.4 Doors and Jambs E2.4 Practicum – Doors and Jambs
12.03	Installs specialty exterior doors.	A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope

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		D1.1 Window Theory D2.1 Practicum - Windows
12.04	Installs exterior windows.	A1.6 Fasteners/ Adhesives Sealants/Fillers A1.7 Building Envelope D1.1 Window Theory D2.1 Practicum - Windows
12.05	Installs exterior door and window hardware.	E1.5 Hardware, Accessories, etc. E2.4 Practicum: Hardware, etc.
<b>Task 13 - Installs roofing.</b>		
13.01	Installs roofing components.	C1.1 Beam and Support Framing C1.4 Roof Framing I C2.4 Roof Framing II E1.3 Ceilings E2.2 Practicum: Ceilings E1.8 Interior Finish E2.8 Practicum: Interior Finish
13.02	Installs roof coverings.	A1.7 Building Envelope D1.2 Roof Coverings Theory D2.2 Practicum – Roof Coverings
<b>Task 14 - Finishes exterior walls and cornices.</b>		
14.01	Installs exterior wall trims.	A1.7 Building Envelope D1.3 Exterior Wall Coverings and Trim D2.3 Practicum – Wall Coverings
14.02	Installs exterior wall coverings.	A1.7 Building Envelope D1.3 Exterior Wall Coverings and Trim D2.3 Practicum – Wall Coverings
<b>Task 15 - Applies wall/ceiling finishes.</b>		
15.01	Installs gypsum board.	E1.2 Wall Coverings E2.2 Practicum – Wall Coverings
15.02	Installs panels and tiles.	E1.2 Wall Coverings E1.8 Interior Finish E2.8 Practicum: Interior Finish E2.2 Practicum – Wall Coverings E2.8 Practicum: Interior Finish
15.03	Installs solid wood finishes.	A1.1 Wood and Wood Products E1.2 Wall Coverings E2.2 Practicum – Wall Coverings E1.3 Ceilings E2.2 Practicum: Ceilings E1.8 Interior Finish E2.8 Practicum: Interior Finish
15.04	Installs suspended ceilings.	E1.3 Ceilings E2.2 Practicum: Ceilings E1.8 Interior Finish E2.8 Practicum: Interior Finish
15.05	Installs demountable wall systems.	E1.2 Wall Coverings E1.8 Interior Finish E2.8 Practicum: Interior Finish E2.2 Practicum – Wall Coverings
<b>Task 16 - Installs flooring.</b>		
16.01	Installs underlayment.	E1.1 Flooring E2.1 Practicum - Flooring
16.02	Installs floor coverings.	E1.1 Flooring E2.1 Practicum - Flooring
16.03	Installs access flooring .	E1.1 Flooring E2.1 Practicum - Flooring

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<b>Task 17 - Installs interior doors and windows.</b>		
17.01	Installs interior jambs/frames.	E1.4 Doors and Jambs E2.4 Practicum – Doors and Jambs
17.02	Installs interior doors.	E1.4 Doors and Jambs E1.5 Hardware, Accessories, etc. E2.4 Practicum – Doors and Jambs E2.5 Practicum: Hardware, etc.
17.03	Installs interior windows.	D1.1 Windows Theory D2.1 Practicum: Windows E1.4 Doors and Jambs E1.5 Hardware, Accessories, etc. E2.4 Practicum – Doors and Jambs E2.5 Practicum: Hardware, etc.
17.04	Installs interior door and window hardware.	E1.5 Hardware, Accessories, etc. E2.4 Practicum: Hardware, etc.
<b>Task 18- Constructs and installs stairs.</b>		
18.01	Constructs straight stairs.	E1.6 Stairs E2.6 Practicum: Stairs
18.02	Constructs geometric stairs.	E1.6 Stairs E2.6 Practicum: Stairs
<b>Task 19- Constructs finish components.</b>		
19.01	Fabricates finish components.	E1.5 Hardware, Accessories, etc. E1.8 Interior Finish E2.8 Practicum: Interior Finish E1.7 Cabinets E2.4 Practicum: Hardware, etc E2.7 Practicum: Cabinets
19.02	Installs finish components/accessories.	
19.01	Fabricates finish components.	E1.5 Hardware, Accessories, etc. E1.8 Interior Finish E2.8 Practicum: Interior Finish E1.7 Cabinets E2.4 Practicum: Hardware, etc E2.7 Practicum: Cabinets
19.02	Installs finish components/accessories.	E1.5 Hardware, Accessories, etc. E1.8 Interior Finish E2.8 Practicum: Interior Finish E1.7 Cabinets E2.4 Practicum: Hardware, etc E2.7 Practicum: Cabinets
<b>Task 20- Performs renovation-specific support activities.</b>		
20.01	Removes existing material.	A7.5 Renovation-Specific Carpentry
20.02	Protects structure during renovations.	A7.5 Renovation-Specific Carpentry
<b>Task 21- Constructs stairs.</b>		
21.01	Joins new construction to old	A7.5 Renovation-Specific Carpentry
21.02	Changes existing structure during renovations.	A7.5 Renovation-Specific Carpentry