

O.2
WORK PROCESS SCHEDULE
CARPENTER (CONSTRUCTION)
O*NET-SOC CODE: 47-2031.01 RAPIDS CODE: 0067

This trade schedule is attached to and a part of the Apprenticeship Standards for the above identified occupation. This sequence of Related Classroom Instruction is time based and will be offered as traditional classroom training or independent study, which may include electronic media.

1. TERM OF APPRENTICESHIP

The term of the occupation shall be four (4) years with an OJL attainment of 8000 hours supplemented by the required hours of related technical instruction.

2. RATIO OF APPRENTICES TO JOURNEYPERSONS

One (1) Apprentice to five (5) Journeypersons: one apprentice for the first skilled journeyperson employed, and one additional apprentice for each five (5) additional skilled journeypersons employed thereafter. A fraction-there-of will be adhered to.

3. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyperson wage rate.

Term: 8000 Hours

East	West
1 st 1000 hours = 50 % of journeyperson's rate	1 st 1000 hours = 50 % of journeyperson's rate
2 nd 1000 hours = 60 % of journeyperson's rate	2 nd 1000 hours = 55 % of journeyperson's rate
3 rd 1000 hours = 70 % of journeyperson's rate	3 rd 1000 hours = 60 % of journeyperson's rate
4 th 1000 hours = 75 % of journeyperson's rate	4 th 1000 hours = 70% of journeyperson's rate
5 th 1000 hours = 80 % of journeyperson's rate	5 th 1000 hours = 80 % of journeyperson's rate
6 th 1000 hours = 80 % of journeyperson's rate	6 th 1000 hours = 85 % of journeyperson's rate
7 th 1000 hours = 90 % of journeyperson's rate	7 th 1000 hours = 90 % of journeyperson's rate
8 th 1000 hours =90 % of journeyperson's rate	8 th 1000 hours =95 % of journeyperson's rate

4. SCHEDULE OF WORK EXPERIENCE (See attached Work Process Schedule)

Apprenticeship Oversight Committee may add to the work processes prior to submitting these Standards to the Division of Apprentice Training for approval.

5. SCHEDULE OF RELATED TECHNICAL INSTRUCTION (See attached Related Classroom Instruction Outline)

Instruction can incorporate elements of both electronic media and traditional classroom including online training, distance learning, or independent study of established curriculum.

Curricula modules are based on industry standardized applications of current construction practices. Modules are knowledge and skill based including a system for assessment. The assessment will include task objectives, procedures, review materials, and competency-based performance tests.

O.2- WORK PROCESS SCHEDULE

HOURS

This instruction and experience shall include the following operations, but not necessarily in the listed sequence. Time spent on specific operations need not be continuous.

1. Foundations, walls, and floors	1500
a. Laying out and leveling	
b. Building and placing straight concrete forms	
c. Lining up and bracing concrete walls and columns	
d. Laying out footings	
e. Building irregular concrete forms	
f. Building forms for concrete stairways	
g. Laying out building lines	
h. Safety	
2. Framing (foundations and walls)	800
a. Laying out and framing sills and girders	
b. Framing and setting floor joists	
c. Erecting walls and partitions	
d. Lining up and bracing walls and partitions	
e. Installing sheathing and plaster grounds	
f. Building staging	
g. Laying out walls and partitions	
h. Safety	
3. Roofs	800
a. Framing and setting common rafters	
b. Framing and setting valley rafters	
c. Framing and setting hip rafters	
d. Framing and setting jack rafters	
e. Applying sheathing, composition shingles, and other types of roof coverings	
f. Safety	
4. Exterior mill work	1000
a. Determining use of tools, materials, and equipment	
b. Operating skill saw, electric drill, and sander	
c. Setting up and operating bench saw	
d. Safety	
5. Interior wall coverings	500
a. Applying wood coverings	
b. Applying composition, sheet rock, or fiberboard	
c. Installing baseboards	

d. Safety	
6. Floors	500
a. Laying sub floors	
b. Laying hardwood floors	
c. Erecting forms for concrete	
d. Safety	
7. Stairs	500
a. Laying out and cutting stair horse for various types of stairways	
b. Laying out and cutting various threads	
c. Installing railings	
d. Safety	
8. Interior finish	1000
a. Cutting and fitting base	
b. Cutting and fitting molding	
c. Setting doorjambs	
d. Fitting and hanging windows	
e. Fitting and fastening hardware	
f. Fitting and hanging doors	
g. Safety	
9. Miscellaneous	1400
a. Building walkways	
b. Erecting scaffolding	
c. Making temporary sheds	
d. Making miscellaneous repairs and additions	
e. Erecting miscellaneous types of concrete forms	
f. Safety	
TOTAL HOURS	8000

O.2 - CARPENTER RELATED CLASSROOM INSTRUCTION

Note: Due to regional and local code differences and climate conditions, duration of instructional competencies/modules is suggested estimates only.

Modules	Hours
Basic Safety	15
Introduction to Construction Math	15
Introduction to Hand Tools	10
Introduction to Power Tools	5
Introduction to Blueprints	
7.5	
Basic Rigging	20
Orientation to the Trade	
Wood Building Materials, Fasteners, and Adhesives	
Hand and Power Tools	20
Floor Systems	25

Wall and Ceiling Framing	20
Roof Framing	37.5
<i>Windows and Exterior Doors</i>	
Reading Plans and Elevations	20
Site Layout One – Distance Measurement and Leveling	22.5
<i>Introduction to Concrete and Reinforcing Materials</i>	
Foundations and Flatwork	15
Concrete Forms	32.5
Reinforcing Forms	15
Handling and Placing Concrete	22.5
Manufactured Forms	22.5
Exterior Finish	35
Roofing Applications	25
Thermal and Moisture Protection	5
Stairs	15
Framing with Metal Studs	15
Drywall One: Installation	15
Drywall Two: Finishing	12.5
Interior Finish One: Doors	20
Interior Finish Two: Suspended Ceilings	25
Interior Finish Three: Window, Door, Floor, and Ceiling Trim	25
Interior Finish Four: Cabinet Installation	10
Site Layout Two: Angular Measurement	25
Advanced Roof Systems	15
Advanced Floor Systems	15
Advanced Wall Systems	20
Advanced Stair Systems	25
Introduction to Light Equipment	10
<i>Welding</i>	25
<i>Metal Buildings</i>	15
Introduction to Project Management and Supervision	15

TOTAL HOURS **725**

DAT apprenticeship program standards recommend 150 hours of related technical instruction per year.