



# Competency-Level Summary Report

Any Technical Center

Carpentry, 4215

For Period 1/1/2019 - 12/31/2019

Knowledge-Based  
Number of Students: 22

Standard Sequence/Description Competency Sequence/Description	Per Competency		
	# Items Possible	Avg # Items Correct	Avg % Items Correct
<b>1 Safety</b>			
1 Demonstrate safe material handling practices	4	3.2	80.0
2 Display comprehension of workplace/job-site safety procedures (OSHA)	6	4.4	73.3
3 Exhibit knowledge of SDS and personal protective equipment (PPE)	5	3.8	76.0
4 Display understanding of hand tool safety issues	3	2.5	83.3
5 Display understanding of power tool safety issues	7	5.3	75.7
<b>2 Tools and Accessories</b>			
6 Use and maintain hand tools	4	2.9	72.5
7 Use and maintain power tools	7	5.3	75.7
8 Use and maintain measuring, layout, and marking tools	5	4.6	92.0
<b>3 Blueprint Reading and Estimation Skills</b>			
9 Demonstrate awareness of general building codes	3	1.7	56.7
10 Display comprehension of dimensions and scales	3	2.4	80.0
11 Read and understand various views and elevations	5	3.0	60.0
12 Display understanding of symbols, lines, and details	4	2.1	52.5
13 Extrapolate information from a set of plans	5	3.0	60.0
14 Estimate materials quantities	7	2.3	32.9
15 Demonstrate awareness of green building practices	3	1.2	40.0
<b>4 Foundations, Forms, and Concrete</b>			
16 Lay out foundation	3	2.1	70.0
17 Construct and align footing and foundation forms	3	1.6	53.3
18 Install, brace, align, and remove formwork	3	1.2	40.0
19 Understand concrete characteristics	3	1.6	53.3
<b>5 Rough Framing</b>			
20 Demonstrate understanding of floor systems	6	3.1	51.7
21 Demonstrate understanding of wall systems	6	3.8	63.3
22 Demonstrate understanding of roof systems	7	3.9	55.7
23 Calculate, lay out, and install stairs	8	3.4	42.5
<b>6 Exterior Finish</b>			
24 Identify and install cornice and trim	5	2.4	48.0
25 Calculate and install roofing	6	2.6	43.3
26 Identify, prepare, and install windows and doors	6	2.8	46.7
27 Calculate, lay out, and install siding	6	3.2	53.3
<b>7 Interior Finish</b>			
28 Install insulation	4	1.9	47.5
29 Install and finish interior walls and ceilings	5	2.3	46.0
30 Install interior doors	6	2.1	35.0
31 Install standing and running trim	4	1.6	40.0
32 Install cabinets and associated hardware	3	0.8	26.7



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<b>8 Carpentry-Related Mathematics</b>				
33	Perform basic mathematical operations: whole numbers, fractions, and decimals	6	2.4	40.0
34	Perform linear, square, and cubic computations	6	2.5	41.7
35	Perform algebraic and geometric functions	3	1.3	43.3