

Ironworker (Generalist) (2026) Level 1

STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Ironworker (Generalist) (2026) Level 1 SLE*.

Number of questions on each exam: 100

Level 1 GAC/Competency	#
A. MAINTAIN SAFE AND HEALTHY WORKPLACE	8
A1. Maintain safe work environment	5
A2. Use personal protective equipment (PPE) and safety equipment	3
A3. Participate in healthy and respectful work environment	0
B. USE AND MAINTAIN TOOLS AND EQUIPMENT	18
B1. Use hand tools	3
B2. Use power tools	4
B3. Use access equipment	1
B4. Use material handling equipment	2
B5. Use measurement, layout, and surveying tools and equipment	4
B6. Use welding and thermal cutting equipment	4
C. ORGANIZE WORK	10
C1. Organize materials and supplies	2
C2. Perform layout	3
C3. Use drawings and documentation	3
C5. Use mathematics	2
D. USE COMMUNICATION, MENTORING, AND CONTINUOUS LEARNING TECHNIQUES	0
D1. Use communication techniques	0
E. PLAN LIFT	6
E1. Assess load	1
E2. Perform pre-lift analysis	0
E3. Select rigging, hoisting, and positioning equipment	4
E4. Secure lift area	1

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August 1, 2026

Level 1 GAC/Competency	#
F. USE RIGGING, HOISTING, AND POSITIONING EQUIPMENT	12
F1. Inspect rigging, hoisting, and positioning equipment	3
F2. Use ropes and slings	4
F3. Use rigging and hoisting equipment	4
F5. Perform post-lift activities	1
G. PERFORM MOBILIZATION, ERECTION, AND DEMOBILIZATION OF CRANES	5
G1. Identify and mobilize cranes	5
H. FABRICATE AND INSTALL REINFORCING MATERIALS	13
H1. Apply fundamentals of reinforcing concrete	5
H2. Cut and bend reinforcing materials	3
H3. Place, tie, splice, and pre-fabricate reinforcing materials	5
I. APPLY POST-TENSIONING TECHNIQUES	6
I1. Describe fundamentals of pre-stressed systems	3
I2. Place unbonded post-tensioning systems	3
J. INSTALL STRUCTURAL MEMBERS	22
J1. Apply fundamentals of erecting structural components	8
J2. Erect structural members	13
J3. Level, plumb, align, and complete installation of structural members	1
Total:	100