

# Electrician Common Core Harmonized (2020) Level 3

## STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Electrician Common Core Harmonized (2020) Level 3 SLE*.

**Number of questions on each exam: 83**

Level 3 GAC/Competency	#
<b>A. APPLY CIRCUIT CONCEPTS</b>	<b>24</b>
A5. Analyze three-phase AC circuits	18
A6. Analyze electronic circuits	6
<b>C. USE TOOLS AND EQUIPMENT</b>	<b>2</b>
C4. Use measuring and testing equipment	2
<b>D. ORGANIZE WORK</b>	<b>5</b>
D1. Interpret plans, drawings and specifications	5
<b>H. INSTALL AND MAINTAIN CONSUMER/SUPPLY SERVICES AND METERING EQUIPMENT</b>	<b>3</b>
H2. Install three-phase consumer/supply services and metering equipment	2
H4. Maintain three-phase services and metering equipment	1
<b>J. INSTALL AND MAINTAIN LOW VOLTAGE DISTRIBUTION SYSTEMS</b>	<b>3</b>
J1. Install low voltage distribution equipment	3
<b>L. INSTALL AND MAINTAIN BONDING, GROUNDING AND GROUND FAULT DETECTION SYSTEMS</b>	<b>2</b>
L1. Install grounding and bonding systems	1
L3. Install ground fault detection systems	1

*Electrician Common Core: Harmonized Level 3 SLE Breakdown*

*July 21, 2023*

Level 3 GAC/Competency	#
<b>M. INSTALL AND MAINTAIN POWER GENERATION SYSTEMS</b>	<b>7</b>
M1. Install AC generating systems	4
M2. Maintain AC generating systems	1
M3. Install DC generating systems	1
M4. Maintain DC generating systems	1
<b>P. INSTALL AND MAINTAIN TRANSFORMERS</b>	<b>13</b>
P3. Install low-voltage three-phase transformers	10
P5. Install high-voltage transformers	3
<b>R. INSTALL AND MAINTAIN BRANCH CIRCUITRY</b>	<b>2</b>
R2. Install wiring devices	2
<b>V. INSTALL AND MAINTAIN MOTOR STARTERS AND CONTROLS</b>	<b>5</b>
V1. Install motor starters and controls	4
V2. Maintain motor starters and controls	1
<b>W. INSTALL AND MAINTAIN DRIVES</b>	<b>5</b>
W1. Install drives	5
<b>Y. INSTALL AND MAINTAIN MOTORS</b>	<b>12</b>
Y1. Install AC motors	9
Y2. Maintain AC motors	1
Y3. Install DC motors	2
Y4. Maintain DC motors	0
<b>Total:</b>	<b>83</b>