

# 00HECO-COMMUNICATION ELECTRICIAN APPRENTICE

7/18

**Special Note: HILO**

Base Program			
Course Title	Course Number	Course Duration	Study Unit
Working Safely With Electricity	186108	(10 hours)	Print
Algebra	2469A-E	50 hours	Print
Practical Geometry and Trigonometry	5567	10 hours	Print
Metric System	186306	(5 hours)	Print
Electricity	4210A-C	30 hours	Print
Electricity and Magnetism, Part 1	4010A	10 hours	Print
Electricity and Magnetism, Part 2	4010B	10 hours	Print
Electricity and Magnetism, Part 3	4010C	10 hours	Print
Electrical Blueprint Reading	006036	10 hours	Print
Electrical Schematic Diagrams	6634A-B	20 hours	Print
Principals of AC Circuits	4018A-D	40 hours	Print
Analog Circuit Measurement	Block A33	15 hours	Print
Basic Test Equipment	086126	5 hours	Print
Troubleshooting with Volt-Ohm-Milliamp Meter (VOMs)	086127	5 hours)	Print
Using Basic Oscilloscopes	086128	(5 hours)	Print
Component Testers	086062	6 hours	Print
Digital Test Equipment	086063	6 hours	Print
Reactive Circuits	Block B22	15 hours	Print
Reactance and Impedance	086037	(5 hours)	Print
Resonant Circuits	086038	(5 hours)	Print
Applications and Troubleshooting of Resonant Circuits	086039	(5 hours)	Print
Analog Electronic Components	Block B23	42 hours	Print
Basic Semiconductor Components: Diodes	086019	(6 hours)	Print
Basic Semiconductor Components: Transistors	086020	(6 hours)	Print
Switching Devices	086021	(6 hours)	Print
Electronic Sensors	086022	(6 hours)	Print
Special Rectifiers: Electron Tubes	086023	(6 hours)	Print
Optoelectronic and Fiber Optic Components	086024	(6 hours)	Print
Electronics Hardware	086040	(6 hours)	Print
Basic Electronic Circuits	Block B24	48 hours	Print
Rectifiers and Power Supplies	086041	(6 hours)	Print
Amplifiers	086042	(6 hours)	Print
Oscillators	086043	(6 hours)	Print
Modulation and Detection Circuits	086044	(6 hours)	Print
Switching Circuits	086054	(6 hours)	Print
Logic Circuits	086055	(6 hours)	Print
Gating and Counting Circuits	086056	(6 hours)	Print
Pulse and Digital Circuits	086057	(6 hours)	Print

<b>Electronic Systems</b>	<b>Block B25</b>	<b>48 hours</b>	<b>Print</b>
<b>Electronic Devices and Amplification</b>	<b>086045</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Audio and RF Circuits</b>	<b>086046</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Oscillators, Feedback, and Waveforms</b>	<b>086047</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Electronic Power Supply Systems</b>	<b>086048</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Industrial Amplification Systems</b>	<b>086058</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Servo and Control Systems</b>	<b>086059</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Pulse and Logic Circuits</b>	<b>086060</b>	<b>(6 hours)</b>	<b>Print</b>
<b>Programmable Controllers and Microprocessors</b>	<b>086061</b>	<b>(6 hours)</b>	<b>Print</b>

**390 HOURS\*\*\* 52 EXAMS**

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