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<p>Introductory Series</p> <p>Introduction to General Electrical Theory and Residential Installation</p> <p>This series introduces key electrical concepts, provides skill building on specific electrical applications and introduces plan reading. For all electricians or both commercial and residential electricians. </p>	<p>LWC-101</p> <p>Fundamentals of Electrical Theory and Introduction to the National Electrical Code (NEC)</p> <p></p>	<p>LWC-102</p> <p>Introduction to the Basic Installation of Lighting Fixtures and Branch Circuits</p> <p></p>	<p>LWC-103</p> <p>Continuation of Lighting Branch Circuits and Introduction to Special Purpose Outlets</p> <p></p>	<p>LWC-104</p> <p>Special Systems and Single-Phase Transformer Theory in Residential Electrical Applications</p> <p></p>	
<p>Fundamental Series</p> <p>Advanced Residential Multi-Family and Light Commercial Installation</p> <p>This series reinforces knowledge and builds on skills developed in the 100 Series and expands plan reading to a level of increased complexity. </p>	<p>LWC-201</p> <p>Introduction to Alternating Current, Branch Circuits and Feeder/Service Calculations and Introduction to Print Reading</p> <p></p>	<p>LWC-202</p> <p>Three-Phase Electrical Systems, Conductor and Overcurrent Protection and Print Reading Basics</p> <p></p>	<p>LWC-203</p> <p>Materials and Specifications in Print Reading, Equipment for General Use, Motor, Fire Pumps, Generators, Refrigeration</p> <p></p>	<p>LWC-204</p> <p>Formulas to be used with Transformers and Special Location, Plot and Foundation Prints</p> <p></p>	
<p>Intermediate Series</p> <p>Commercial Courses: The Building Process from Start to Finish. </p>	<p>LWC-301 Commercial <i>Blueprint Reading Part 1</i></p> <p>Site Work and Preparation for New Construction</p> <p></p>	<p>LWC-302 Commercial <i>Blueprint Reading Part 2</i></p> <p>Shell and Core Electrical Installations</p> <p></p>	<p>LWC-303 Commercial <i>Blueprint Reading Part 3</i></p> <p>Tenant Space Electrical Installations</p> <p></p>	<p>LWC-304 Commercial <i>Finishing the Job: Focus on Quality and Safety</i></p> <p>Installing Specialty Electrical Systems</p> <p></p>	
<p>Advanced Series</p> <p>Advanced Skills in Commercial Electrical Installations and General Contracting</p> <p>The Advanced Series reinforces and is based on skills and knowledge gained in the previous three series of instructional programs to take skills and knowledge to the critical thinking level. </p>	<p>LWC-401</p> <p><i>Motor Control & Signal Circuits</i></p> <p>Advanced Electrical Theory and Low Voltage Specialties Installations</p> <p></p>	<p>LWC-402</p> <p><i>Meters, Testing Equipment and Electrical Troubleshooting</i></p> <p>Meters, Test Equipment and Troubleshooting Techniques</p> <p></p>	<p>LWC-403</p> <p><i>Introduction to Foremanship Skills</i></p> <p>Leadership and Supervisory Skills</p> <p></p>	<p>LWC-404</p> <p><i>2008 Test Prep Course for the California State Certification Exam</i></p> <p>Test preparation for the California State General Electrician Certification Exam</p> <p></p>	<p>Legend</p> <p> = Stand Alone Classes</p> <p> = Suggested Progression of Classes</p>

Check Website for Current Class Schedule.

All courses on this chart are each worth 42 hours of certification or continuing education (CE) credit.