

# GET WIRED! Connect To Learning Four Year Curriculum Plan

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| <p><b>Introductory Series</b><br/>Introduction to General Electrical Theory and Residential Installation</p>     | <p><b>101</b><br/>Fundamentals of Electrical Theory and Introduction to the National Electrical Code (NEC)</p> <p>43 Hours</p>             | <p><b>102</b><br/>Introduction to the Basic Installation of Lighting Fixtures and Branch Circuits</p> <p>43 Hours</p>  | <p><b>103</b><br/>Continuation of Lighting Branch Circuits and Introduction to Special Purpose Outlets</p> <p>43 Hours</p>         | <p><b>104</b><br/>Special Systems and Single-Phase Transformer Theory in Residential Electrical Applications</p> <p>43 Hours</p> |
| <p><b>Fundamental Series</b><br/>Advanced Residential Multi-Family and Light Commercial Installation</p>         | <p><b>201</b><br/>Introduction to Alternating Current, Branch Circuits and Feeder/Service Calculations</p> <p>43 Hours</p>                 | <p><b>202</b><br/>Three-Phase Electrical Systems, Conductors and Overcurrent Protection, Grounding, Wiring Methods, Basic Trigonometry and Vectors</p> <p>43 Hours</p> | <p><b>203</b><br/>Raceway Systems, Switchboards and Panelboards, DC Motors, Three-Phase Alternators and Motors</p> <p>43 Hours</p> | <p><b>204</b><br/>Transformers, Special Locations and Single-Phase Motors</p> <p>43 Hours</p>                                    |
| <p><b>Intermediate Series</b><br/>Commercial Courses: The Building Process from Start to Finish.</p>             | <p><b>301 Commercial</b><br/>Blueprint Reading: Electrical Work for Commercial Construction from the Ground Up, Part 1</p> <p>44 Hours</p> | <p><b>302 Commercial</b><br/>Blueprint Reading: Electrical Work for Commercial Construction from the Ground Up, Part 2</p> <p>42.25 Hours</p>                          | <p><b>303 Commercial</b><br/>Blueprint Reading: Electrical Work for Commercial Tennant Improvements</p> <p>42 Hours</p>            | <p><b>304 Commercial</b><br/>Finishing the Job - Focus on Quality and Safety</p> <p>42 Hours</p>                                 |
| <p><b>Advanced Series</b><br/>Advanced Skills in Commercial Electrical Installations and General Contracting</p> | <p><b>401</b><br/>Motor Control &amp; Signal Circuits</p> <p>42 Hours</p>  | <p><b>402</b><br/>Electrical Troubleshooting</p> <p>42.75 Hours</p>  | <p><b>403</b><br/>Introduction to Foremanship Skills</p> <p>42 Hours</p>   | <p><b>404</b><br/>Electrician Certification Test Preparation</p> <p>42 Hours</p>   |