



## Professional, Workforce, Career and Executive Education

| Course Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Electrician's Licensing Examination Preparation Course                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Duration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 26 Weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cost: \$40,000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Training Date:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| See Calendar for dates: <a href="http://www.captech.edu.jm/calendar.php">www.captech.edu.jm/calendar.php</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| This comprehensive course was designed to prepare electricians for the Electrical Licensing Examination in Jamaica. They will understand the GOJ regulations and JS1 standards governing the supply and distribution of electric power. The standards of the Institute of Electrical Engineers (IEE) will be emphasised.                                                                                                                                                                                                                                                                                  |
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| Pre-requisite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Minimum qualifications: CXC Mathematics plus NVQ Level 2 in electrical or NVQ Level 2 in electrical Installation and a minimum of three years of experience in the field.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Target Group                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Electricians                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Content                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"><li>▪ Regulations – Electrical Lighting Law Cap 108 and succeeding regulations</li><li>▪ The Regulations of IEE</li><li>▪ Safety</li><li>▪ Supply Systems Standard and Voltage</li><li>▪ Distribution of Supply in Buildings</li><li>▪ Conductors and Cables</li><li>▪ Wiring Systems</li><li>▪ Earthing</li><li>▪ Conductors and Insulators</li><li>▪ Resistance and Capacitance</li><li>▪ Magnetic &amp; Electromagnetism</li><li>▪ Measuring Instruments</li><li>▪ Motors, Generators and Alternator Principles</li><li>▪ Electrical Drawing and Sketching</li></ul> |

- Lighting and Power Installation and Distribution for Domestic Purposes
- Lighting and Power Distribution for Industrial and Commercial Buildings
- Electrical and Testing and Fault Diagnosis
- Line Construction