

# CONSTRUCTION ELECTRICIAN LEVEL II - CERTIFICATE

**Offered at:** Ashland Community and Technical College, Big Sandy Community and Technical College, Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Gateway Community and Technical College, Hazard Community and Technical College, Hopkinsville Community College, Madisonville Community College, Maysville Community and Technical College, Owensboro Community and Technical College, Somerset Community College, Southcentral Kentucky Community and Technical College, Southeast Kentucky Community and Technical College, West Kentucky Community and Technical College

|         |   |   |
|---------|---|---|
| ELT 210 | Devices I   | 4 |
| ELT 214 | Devices II  | 4 |
| ELT 220 | Digital II  | 3 |
| ELT 222 | Mechanics of Telephony                                | 3 |
| ELT 224 | Basic Telecommunications Installation and Maintenance | 3 |
| ELT 260 | Robotic and Industrial Automation                     | 5 |
| ELT 265 | Applied Fluid Power                                   | 3 |
| ESP 101 | Introduction to Energy Systems                        | 3 |
| FPX 100 | Fluid Power   | 3 |
| FPX 101 | Fluid Power Lab                                       | 2 |
| ISX 100 | Industrial Safety                                     | 3 |
| ISX 101 | Introduction to Industrial Safety                     | 3 |

**Program Plan Number:** 4603023069

| Course                                   | Title  | Credits      |
|--|--|--------------|
| <b>Required</b>                          |  |              |
| EET 119<br>or ELT 110                    | Basic Electricity<br>Circuits I                                  | 5            |
| Select one of the following two options: |  | 7-8          |
| <i>Option 1</i>                          |  |              |
| EET 154<br>& EET 155                     | Electrical Construction I<br>and Electrical Construction I Lab   |              |
| EET 252<br>& EET 253                     | Electrical Construction II<br>and Electrical Construction II Lab |              |
| <i>Option 2</i>                          |  |              |
| EET 254<br>& EET 255                     | Electrical Construction<br>and Electrical Construction Lab       |              |
| EET 250                                  | National Electrical Code   | 4            |
| Technical Electives                      |  | 5            |
| <b>Total Credits</b>                     |  | <b>21-22</b> |

## Technical Electives for Construction Electrician Level I and II Certificates

| Course                 | Title                                 | Credits |
|------------------------|---------------------------------------|---------|
| All EET Prefix Courses |                                       |         |
| ACR 100                | Refrigeration Fundamentals            | 3       |
| ACR 101                | Refrigeration Fundamentals Lab        | 2       |
| ACR 130                | Electrical Components                 | 3       |
| ACR 131                | Electrical Components Lab             | 2       |
| BBT 100                | Introduction to HFC/Cable-TV          | 3       |
| BBT 200                | Introduction to Cellular Technology   | 2       |
| BRX 110                | Basic Blueprint Reading for Machinist | 2       |
| BRX 120                | Basic Blueprint Reading               | 3       |
| BRX 220                | Blueprint Reading for Construction    | 3       |
| CAD 100                | Introduction to Computer Aided Design | 3       |
| CMM 114                | Fundamentals of Machine Tools         | 6       |
| ELT 103                | Introduction to Engineering           | 3       |
| ELT 110                | Circuits I                            | 5       |
| ELT 114                | Circuits II                           | 5       |
| ELT 120                | Digital I                             | 3       |