

# INDUSTRIAL ELECTRICIAN LEVEL I - 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, Henderson Community College, Hopkinsville Community College, Jefferson Community and Technical 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 265	Applied Fluid Power	3
ESP 101	Introduction to Energy Systems	3
FPX 100	Fluid Power	3
FPX 101	Fluid Power Lab	2
ISM 102	Fundamentals of Instrumentation	4
ISM 210	Fundamentals of Process Control	4
ISX 100	Industrial Safety	3
ISX 101	Introduction to Industrial Safety	3
WLD 140	Gas Metal Arc Welding	2
WLD 141	Gas Metal Arc Welding Fillet Lab	3
WLD 151	Basic Welding A	2
WLD 152	Basic Welding B	5

**Program Plan Number:** 4603023039

Course	Title	Credits
EET 119	Basic Electricity	5
or ELT 110	Circuits I	
Technical Electives		3
<b>Total Credits</b>		<b>8</b>

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

Course	Title	Credits
All EET Prefix Courses		
All IMT 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
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 232	Computer Software Maintenance	3
ELT 234	Computer Hardware Maintenance	3
ELT 260	Robotic and Industrial Automation	5