

GUIDED PATHWAY

The following sequence is the suggested pathway to complete the certificate. This sequence is based on satisfaction of all basic skills requirements and prerequisites. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your academic advisor for other options and to monitor your progress.

Program Name: Electrical Technology—Commercial/Industrial Electricity

Program Student Learning Outcomes (SLOs):

1. Maintain a safe working environment (2,3,5,6)
2. Assist in wiring and troubleshooting commercial electrical installations to NEC code (2,3,5,6)
3. Assist in wiring and troubleshooting industrial electrical installations to NEC code (2,3,5,6)

Required Course Enrollment for all CBE courses: All students must follow the course outline below.

Courses Required	Credits
ELC 210 Commercial Electricity I	4
ELC 230 Industrial Electricity I	4
ELC 221 Low-Voltage Controls II	2
ELC 211 Commercial Electricity II	4
ELC 231 Industrial Electricity II	4
ELC 240 Programmable Logic Controllers	2

Key:

CBE= Competency-based Education

1. Aesthetic Sensibilities: An awareness of creative expression in the world around us.
2. Communication Skills: The ability to effectively convey meaning through various media on both personal and professional levels.
3. Critical Thinking Skills and Problem-Solving: The ability to analyze data and arrive at logical and defensible conclusions.
4. Cultural Diversity and Global Awareness: An appreciation of relationships and differences in values, customs, and norms of diverse global communities.
5. Techniques of Inquiry: Use of standardized methodological framework to collect, analyze, interpret, and present findings.
6. Technological Competency: A proficiency in evolving technology to compete and flourish in society.

Total credits	20
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