

GUIDED PATHWAY

The following sequence is the suggested pathway to complete the degree in two years. This sequence is based on satisfaction of all basic skills requirements and prerequisites and presumes a fall start date. 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: Certificate—Electrical Technology—Residential Wiring

Program Student Learning Outcomes (SLOs):

1. Assist in wiring and troubleshooting the electrical system to NEC Code in a residential structure. (2, 3, 6)
2. Communicate electrical concepts to others in both oral and written form (2)

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

Courses Required	Credits
ELC 110 Residential Wiring 1	4
ELC 112 Electrical Problem Solving	2
ELC 115 AC/DC Theory	4
ELC 121 Beginning Low Voltage Control Systems	2
ELC 111 Residential Wiring 2	4

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	16
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