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This program will prepare students for entry-level employment in the electrical maintenance and troubleshooting industry. Upon completion the student will be able to install, maintain, and repair electrical systems in a safe and workmanlike manner.

- Develop procedures for the successful installation, maintenance and troubleshooting of electrical systems.

New students must attend an Electrical orientation prior to enrollment. The program requisite is in place to ensure the safety and health awareness of LBCC electrical students.

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ELECT 204	First Semester Fundamentals of DC Electricity 4
ELECT 209	Second Sem Fund of Motors/Generators 4
ELECT 212	Third Semester Fund of AC Electricity 4
ELECT 214	Fourth Semester AC Principles & Pract 4
ELECT 225	Algebra and Trigonometry for Technicians 4
ELECT 240	Introduction to National Electrical Code 3
ELECT 242	Electrical Code-Grounding 1.5
ELECT 253	OSHA Standards for Construction Safety 2
ELECT 435A	Motor Control Wiring and Troubleshooting 2
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IN ADDITION, complete the following:	
ELECT 245	Electrical Code-Com mercial 3
ELECT 250	Electrical Code-Industrial 3
ELECT 271	Electrical Cost Estimating 1 3
ELECT 275	Electrical Pipe Bending 1
ELECT 277	Blueprint Reading for Electricians 3
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NON-GENERAL STUDENTS
ELECTRICITY
OFCACHEMENT

Plan Code: 3933

This program will prepare students for entry-level employment in the electrical maintenance and troubleshooting industry. Upon completion, the student will be able to install, maintain, and repair electrical systems in a safe and workmanlike manner.

Program Student Learning Objectives

- Develop procedures for the successful installation, maintenance and troubleshooting of electrical systems.

Program Requirement

Code Number	Course Title	Units
REQUIRED COURSES		
ELECT 245	Electrical Code-Commercial	3
ELECT 250	Electrical Code-Industrial	3
ELECT 271	Electrical Cost Estimating 1	3
ELECT 275	Electrical Pipe Bending	1
ELECT 277		