## Louisiana Region 5 Perkins Eligible CTE Program of Study

Career Cluster: Architecture & Construction Pathway: Construction Program: Industrial Electrical Technology

## **Student Support Services:**

Early Alert\*\* Veterans Services\*\*\* Flight Advisors Success Team\*\* Tiger Love Resource Connection\*\* Food Pantry\*\*\* Low Cost Transit Services\*\* Counseling\*\*\*# Academic Advising\*\*\*### Social Services Referrals and Assistance\*\*### Tutoring\*\*\*# Pupil Appraisal\* NEPRIS Career Exploration\*

Career Fairs\*\*\*

WorkKeys Testing\* Career Compass\*

Fast Bridge SABERS\*

Teacher Mentors\*

5 for 6 Opportunities #

CareerOneStop ##

- Fair Change Hiring ##
- \*High School Support Service \*\* College Support Service
- \*\*\*High School and College Support Service
- # Adult Ed Supportive Service
- ## Corrections Supportive Service

High School Graduate	
Adult Ed Student	
Former Corrections Student	
Secondary CTE Graduate	/
OSHA 10 IBC	
311800 Industrial Electronics 1 &	
313402 NCCER Electrical 1	
313412 NCCER Electrical II	
110915 Process Instrumentation 1	
311805 Industrial Electronics 2	
110916 Process Instrumentation 2	

Те	chnical Diploma -	
Industrial Electrician		
	Fundamentals of	
INST 1111	Electricity/Electronics	
ELEC 1122	Residential Wiring	
INST 1010	Intro to Instrumentation	
ELEC 1000	Electrical Safety	
	Fundamentals of	
INST 1112	Semiconductors/Circuits	
ELEC 1220	Intro to Motor Controls	
	Intro to Programmable	
INST 2722	Controllers	
	Commercial and Industrial	
ELEC 1240	Systems	
ELEC 1230	National Electric Code	
ELEC 1430	Blueprint Interpretation	
	Generator and Transformer	
ELEC 1312	Operations	
ELEC 2220	Advanced Motor Controls	
INST 2812	Advanced PLC's	

Associate of Applied Science -Industrial Electrical Technology Gen Ed - Humanities Gen Ed - PHSC 1000 or CHEM 1010 Gen Ed - Social/Behavioral Science **Employment:** According to the Louisiana Workforce Commission, Electrical Engineers and Electricians are 5-star occupations. They may earn average annual salaries between \$41,030 and \$94,251 in Louisiana.

## **Employability Skills:**

- \*Communication
- \*Teamwork

Certificate of Technical Studies -

**Residential Electrician** 

- \*Manage Information Responsibly
- \*Demonstrate Positive Attitude
- \*Critical Thinking
- \*Personal Responsibility
- \*Portray Resiliency
- Ethics
- Workplace Safety

\*Included in Perkins 5 State Plan.

## **Technical Skills:**

Electrical Wiring Blueprint Reading Wiring Diagram Interpretations Motor Controls