

Jump Start 2.0 Associate of Applied Science: Technical Studies Concentration in Electrician

Postsecondary Partner: [Louisiana Delta Community College](#)

Overview

The Associate of Applied Science (AAS) degree prepares graduates to enter a career immediately after graduation. Electricians install and maintain electrical systems in residential construction and commercial buildings. They also work in manufacturing settings often servicing highly automated industrial processes. Increasingly electricians will be required to wire computer networks and telecommunications. This program will prepare students to work in each of these applications of electricity.

Capstone Credentials

Regional (emerging)	Basic	Advanced	Fast Forward Advanced Plus
- OSHA 30	-Certificate of Technical Studies: Residential Electrician - NCCER Electrical Level 1	-Technical Diploma: Commercial Wiring II - NCCER Electrical 2	-Associate of Applied Science: Technical Studies Concentration in Electrician

**Core Academic Course*

***Jump Start CTE Course*

Grade 9	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English I 120331	*Physical Education I 190105
*Algebra I 160321	*Civics 220501/220504
**Quest for Success 080411 or Jobs for America's Graduates 1 042010	*Agriscience II 010302 or Environmental Science 150310
**Intro to Bus Comp Apps 040401 or Agriscience I 010301	**Cyber Society (NICERC Partnership) 040218



Grade 10	
Semester 1	Semester 2
LDOE Course/Code	LDOE Course/Code
*English II 120332	*Biology 150301
*Financial Literacy 160345 or Geometry 160323	**Jobs for America's Graduates 3 042030 or Remote Controlled Vehicle Technologies 110796
*½ Physical Education II 190106 ½ Health Education 190500	**Workplace Safety 311923
**Jobs for America's Graduates 2 042020 or Basic Technical Drafting 110560	**Business Computer Applications 040400

Additional and/or equivalent TOPS core aligned courses can be found in Bulletin 741.

Grade 11			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Business English BUSE 1030	*DE Business English 125020	*English Composition I ENGL 101	*English III: DE - CENL 1013 English Composition I 120601
*Technical Mathematics for Electricians ELEC 2460 (4 th math)	*DE Technical Mathematics for Electricians 890809	**Residential Wiring Installation ELEC 1311	**DE Residential Wiring Installation 890806
**Basic Electricity ELEC 1120	**DE Basic Electricity I 310400	**Generators/Motors and Transformer Operation ELEC 1330	**DE Generators/Motors and Transformer Operation 890801
**Residential Wiring ELEC 1210	**DE Residential Wiring 890806	**Introduction to Motor Control ELEC 1420	**DE Introduction to Motor Control 890802



**Electrical Raceways ELEC 1220	**DE Electrical Raceways 890800	**Blueprint Interpretation ELEC 1430	**DE Design, Blueprint Reading and Codes 310622
Freshman Seminar ORNT 1000	DE Freshman Seminar 890204	**Introduction to Computers CPTR 1000	**DE Introduction to Computers 890346

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*U.S. History HIST 202	*US History: DE - CHIS 2013 American History I 220407	*Natural Science (General Biology I BIOL 101 OR Physical Science I PHSC 100)	*Biology II: DE - C BIO 1013 General Biology I 150323 or Physical Science: DE - CPHY 1023 Physical Science I 150915
*College Algebra MATH 110	*Algebra III: DE - CMAT 1213 College Algebra 160500	Psychology PSYC 201 or Sociology SOCL 201	Psychology: DE CPSY 2013 Introduction to Psychology 225011 or DE Sociology 220601
**Solid State Theory ELEC 2520	**DE Solid State Theory 890808	**Introduction to Programmable Logic Controllers ELEC 2720	**DE Programming Logic and Design 080502
**National Electrical Code ELEC 1230	**DE National Electrical Code 890805	**Logic Functions ELEC 2540	**DE Logic Functions 890803
**Motor Controls ELEC 1440	**DE Motor Controls 890804	**Job Seeking Skills JOBS 2450	**DE Advanced Career Readiness 080410

This pathway framework is an outline of how the approved courses can be implemented. Schools may opt to rearrange the order of course sequencing in order to meet local scheduling requirements. Additionally, Fast Forward pathways are dynamic and the Jump Start Review panel will consider course equivalents on an as needed basis.