

Tops University Associate of Applied Science: Electrical Construction
Postsecondary Partner: Nunez Community College

Overview

Electricians install and maintain residential, commercial, and industrial electrical and power systems. Students will learn to perform more complex maintenance and repair tasks such as repairing factory generators, motors and transformers and offer advice on equipment safety. Students will learn to build, install, maintain and repair electrical systems that provide heat, light, and/or power for residential, commercial and industrial structures through courses offering a combination of theory and hands on learning.

Capstone Credentials

Regional (Emerging)	Basic	Advanced	Fast Forward Advanced Plus
-NCCER Core	-NCCER Electrical Level I -NCCER Instrumentation Level I -Electrical Construction Certificate of Technical Studies	-NCCER Electrical Level II -NCCER Instrumentation Level II - NCCER Electrical and Instrumentation Technical Diploma	-Associate of Applied Science in Electrical Construction

*Core Academic Course
 **Jump Start CTE Course

Grade 9	
Semester 1	Semester 2
*English I 120331	*English II 120332
*Algebra I 160321	*Algebra II 160322
*Physical Education I 190105	*Biology I 150301
*Civics 220501	*1/2 Physical Education II 190106, ½ Health Education 190500

Grade 10	
Semester 1	Semester 2
*English III 120333	*Geometry 160323
*World History 220401	*Chemistry 150401
*Biology II 150302	*US History 220403
*Foreign Language I	*Foreign Language II

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
*English Comp I ENGL 1010	*English IV: DE - CENL 1013 English Composition I 120606	*College Algebra MATH 1300	*Algebra III: DE - CMAT 1213 College Algebra 160500
Introduction to Construction CNST 1000	NCCER Core 311720	NCCER Electrical Construction II ELEC 1010	NCCER Electrical II 313412
NCCER Electrical Construction I ELEC 1000	NCCER Electrical 1 313402	NCCER Instrument Level II INDT 1020	NCCER Instrumentation Control Mechanic II 313512
NCCER Instrument Level I INST 1010	NCCER Instrumentation Control Mechanic I 313502		

Grade 12			
Semester 1		Semester 2	
Postsecondary Course	LDOE Course/Code	Postsecondary Course	LDOE Course/Code
*Physical Science PHSC 1000	Physical Science: DE - CPHY 1023 Physical Science I 150915	*Art Appreciation FIAR 1200 <i>(Humanities Elective)</i>	*Fine Arts Survey: DE - CART 1023 Introduction to Visual Arts 030592
NCCER Electrical Level III ELEC 2000	NCCER Electrical III 313418	*Introduction to Psychology PSYC 1100 <i>(Behavioral Science Elective)</i>	Psychology: DE – CPSY 2013 Intro to Psychology 225011
		NCCER Electrical Level IV ELEC 2010	NCCER Electrical IV 313422

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.