

ACADEMIC MAP

Residential and Commercial Electricity, C.A.S.



Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
ELEC 101 ELECTRICITY & ELECTRONICS FUND	3	
ELEC 115 RES/COMM ELECTRICAL 1	3	
ELEC 116 RES/COMM ELECTRICAL 2	3	
MATH 125 TECHNICAL MATHEMATICS	4	
ENGL 107 TECHNICAL WRITING	3	
TOTAL:	17	



Certificate of Applied Science in Residential and Commercial Electricity

is a degree certificate program designed to introduce students the standards and skill training necessary to be a licensed residential and commercial electrician in West Virginia. Further training beyond this program will be required to be eligible to sit for the Electrical Journeyman's license. State Licensure is required for most forms of employment in this field. Different licenses issued by the WV State Fire Marshal impact the types of work you can perform and whether or not it must be supervised. Students should closely review this information prior to enrollment. <https://firemarshal.wv.gov/>

Semester 2

COURSE	CR	COMMENTS
MTEC 102 INTRODUCTORY CRAFT SKILLS	2	NCCER Core
CS 101 INTRO TO PC APPLICATIONS	4	
ELEC 117 RES/COMM ELECTRICAL 3	3	
ELEC 118 RES/COMM ELECTRICAL 4	3	
ELEC 260 E&I CAPSTONE	1	
TOTAL:	13	



MILESTONE COURSE:

These courses are the keys to graduation and certification. Courses should be taken in the recommended semesters to stay on time for completion



CAREER PLANNING:

Residential or Commercial Electrician Average wage: \$15.74 - \$26.15/hour

TOTAL DEGREE CREDITS:

30

2022-2023

Foundational Learning Courses (FLCs):

To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

Aesthetics, Creativity, and Appreciation	Human Communication and Interaction	People and Their Worlds	Quantitative Reasoning	Scientific Inquiry	Writing and Rhetoric
ART-101	COMM-105	ECON-201	MATH-120	ASTR-106 BIOL-101	ENGL-101
ART-111	COMM-111	ECON-202	MATH-125	BIOL-102	ENGL-102
ENGL-131	COMM-112	GEOG-102	MATH-126	BIOL-103	ENGL-107
ENGL-132	COMM-202	HIST-101	MATH-211	BIOL-104	
ENGL-221		HIST-102		BIOL-107	
ENGL-222		HIST-152		BIOL-108	
ENGL-241		HIST-153		BIOL-109	
ENGL-242		HIST-250		BIOL-115	
ENGL-257		PHIL-111		BIOL-117	
ENGL-261		PHIL-150		BIOL-171	
ENGL-262		PHIL-231		CHEM-111	
ENGL-285		POLS-101		CHEM-115	
MUSI-170		POLS-102		CHEM-116	
THEA-101		PSYC-101		GEOL-101	
		PSYC-241		GEOL-102	
		SOC-101		GEOL-103	
		SOC-107		GEOL-104	
		SOC-221		GEOL-105	
				PSCI-101	
				PSCI-111	
				PSCI-112	
				PHYS-101	
				PHYS-102	
				PHYS-111	