



The Electrical program of study explores the occupations and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. This program of study may also include exploration into installing and repairing telecommunications cable including fiber optics.

Grade	Required CTE Courses
9	(3804) Principles of Construction <i>SEM: 2 CR: 1</i>
10	(3813) Electrical Technology I <i>SEM: 2 CR: 1</i>
11	(3814) Electrical Technology II <i>SEM: 2 CR: 2</i>
12	(3809) Practicum in Construction Technology <i>SEM: 2 CR: 2</i> OR (3848) Career Preparation I <i>SEM: 2 CR: 2</i>

Certificates and Degrees Available		
High School	NCCER Electrical, Level 1 & 2 *	
Certificate/License	Electrical Plans Examiner	Certified Electrical Inspector - Master
	Fiber Optics Technician - Outside Plant	Certification in Fire Alarm Systems - Level 1
Associate's Degree	Electrician	Communications Systems Installation and Repair Technology
Bachelor's Degree	Construction Science	
Master's/ Doctoral Professional Degree	Construction Management	

* NCCER Electrical, Level 1 & 2 certifications are available to students in 11th or 12th grade. All other certificates and/or degrees are available to students upon graduation from high school.

Career Outlook			
Occupations	Median Wage	Annual Openings	% Growth
Electrical Linemen	\$54,184	1,314	28%
Electricians	\$44,013	8,460	21%
Electrical and Electronics Installers	\$37,544	245	19%
Security and Fire Alarm Installers	\$43,638	1,112	22%
Telecommunication Line Installers and Repairers	\$49,150	1,228	10%