



CONNECT YOURSELF
TO A GREAT CAREER

Electrical Technology

[CONSTRUCTION]

If you are looking for a hands-on, rewarding career that connects to success, consider the electrical technology field. Electricians install, maintain and repair electrical wiring, equipment and fixtures. Nearly 80 percent of electricians work in the construction industry or are self-employed, but there are opportunities in other industries, too.

LEARNING AT WASHBURN TECH

This program prepares you for work in electrical construction and maintenance. Instruction includes safety, electrical theory, blueprint reading, wiring, electrical construction and residential/commercial electricity. Open to both high school and adult students, you can complete this half-day program in two semesters. Upon completion, you will earn a 30-credit-hour technical certificate and may be eligible to enter an electrical union's apprentice program at the second level. Evening classes at Washburn Tech East also are available.

JOB AND SALARY OUTLOOK

Electricians proficient in working with the latest technologies do well in the job market. The Kansas Department of Labor lists the average salary for an entry-level electrician at \$24.69 an hour or \$51,359 annually. The average wage is \$35.05 an hour or \$72,897 annually.

ENTRY REQUIREMENTS

For dual-credit high school students submission of an application, official partial transcript, and consent to enroll form are required. Adult students must complete an application and submit an official copy of all transcripts. Please see an admissions counselor for details.

CERTIFICATIONS

- + OSHA-30
- + NCCER Core
- + NCCER Electrical Level I
- + KS Journeyman Exam

CAREERS AS AN ELECTRICIAN»

- + construction
- + maintenance
- + industrial
- + line worker
- + network cabling
- + security system installer
- + residential
- + renewable energy

Build your best self.

TALK TO AN ADMISSIONS
COUNSELOR TODAY!

785.670.2200



COURSE DESCRIPTIONS

INTRODUCTORY CRAFT SKILLS

Introduction to construction trades

OSHA-30 CONSTRUCTION CERTIFICATE

Covers basic OSHA regulations and safety; students gain a broad awareness of workplace hazards on a construction site

AC/DC CIRCUITS I

Introduces the basics of alternating current and direct current circuits; the student will perform calculations using Ohm's Law and study the construction, operation and purpose of resistors, potentiometers, switches, fuses, relay capacitors, inductors, batteries, alternators, transformers and series-parallel resonant circuits

NATIONAL ELECTRICAL CODE I

Introductory course on the use and interpretation of the current National Electric Code

PRINT READING

Covers the fundamentals of interpreting construction drawings; students learn to interpret plan views, elevation views, sections, details, schedules, specifications, symbols and abbreviations found on most residential, commercial and industrial construction drawings

COMMERCIAL WIRING I

Focuses on the theory, practice and National Electrical Code requirements for commercial wiring; consists of definitions, formulas, wiring methods, overcurrent protection, calculation as well as sample examinations

RESIDENTIAL WIRING

Introduces residential wiring methods that include practical application and hands-on experience in implementing code requirements

NATIONAL ELECTRICAL CODE II

Continues the National Electrical Code I course on the use and interpretations of the current national electric code

INTERNATIONAL RESIDENTIAL CODE

A continuation of National Electrical Code I; covers the code and standards of constructing a dwelling



APPLICATION CHECKLIST



**SUBMIT
APPLICATION**



**MEET WITH
ADMISSIONS**



**SUBMIT
TRANSCRIPT(S)**



**ENROLL IN
CLASSES**

2024-2025 PROGRAM COSTS (Estimated)

	HIGH SCHOOL	ADULT
Tuition	*FREE	\$4,740
All other fees	\$191	\$1,551
TOTAL	\$191	\$6,291

*Tiered courses are paid by Excel in CTE. Non-tiered courses are paid by the student.

ADDITIONAL CHARGES (Estimated)

	HIGH SCHOOL	ADULT
Tools/Books	\$180	\$180

MORE INFO »

For more programs, enrollment and course schedule information, please contact Admissions. Financial Aid is available to those who qualify.

CALL 785.670.2200

TO TALK W/ ADMISSIONS COUNSELOR