

ELECTRICAL TECHNOLOGY - CERT B

The Electrical Technology program prepares individuals to apply technical knowledge and skills for employment in electrical construction and maintenance. Instructional areas include safety, electrical theory, blueprint reading, wiring, electrical construction, residential and commercial electricity, and National Electrical Code. This program will offer students preparation to test for the industry-recognized credentials listed below.

The Washburn Tech Electrical Technology program is in alignment with the National Center for Education Statistics (NCES) CIP Code 46.0302: Electrician. A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

Program Information

- Program Start (semesters): August (Huntoon); January (evening at Tech East)
- Financial Aid available (for post-secondary students only): Yes
- Veteran Benefits Eligible (for post-secondary students only): Yes
- Industry-recognized credentials: NCCER Core; NCCER Electrical Level 1; KS Journeyman Exam; OSHA-30 Construction

Certificate Requirements

Code	Title	Hours
CHC 105	Introductory Craft Skills	3
IND 109	OSHA - 30 Hour Const Ind Cert	2
or IND 107 & ELE 145	OSHA - 10 Hour Const Ind Cert and Workplace Skills	
ELE 120	National Electrical Code I	4
ELE 125	AC/DC Circuits I	4
ELE 132	Print Reading	2
ELE 135	Commercial Wiring I	4
ELE 137	International Residential Code	3
ELE 140	Residential Wiring I	4
ELE 142	National Electrical Code II	4
Total Hours		30