



Electricity Heating & Air Conditioning

This Electricity Heating and Air Conditioning program offers a 48 credit technical certificate for full time students and prepares individuals to apply technical knowledge and skills for two segments: Electricity and/or Heating & Air Conditioning.

The Electrical segment prepares students for employment in electrical construction and maintenance. Heating & Air Conditioning prepares students for employment in any of the industries utilizing heating, air conditioning, and/or refrigeration.

Instructional areas include: safety; electrical theory; blueprint reading; wiring; electrical construction; residential/commercial electricity; gas pipe fitting; Uniform Mechanical Code; hydronics; electricity and gas heating; heat pumps; and advanced courses in residential and commercial refrigeration and air conditioning.

Full time students can complete the program in one year. Part time, including high school students, can complete the program in four semesters. Students who successfully complete the program may be eligible to complete their associate's degree at Washburn University.



The program consists of the following courses:

- Basic Electrical Theory
- Basic Wiring
- Uniform Mechanical Code
- Heating Systems Fundamentals
- Advanced Heating and Lab Applications
- Residential Wiring
- Commercial Wiring
- Heating Systems Fundamentals
- Fundamentals of Air Conditioning
- Heat Pumps
- Commercial Refrigeration
- EHVAC OJT

*For more program, enrollment, and course schedule information please contact Student Services.
Financial Aid is available to those who qualify.*

Washburn Institute of Technology • 5724 SW Huntoon St. • Topeka KS 66604
785.228.6325 or 877.588.7140

www.washburntech.edu