



# Electrical Engineering Technology

**70-credit Associate of Applied Science Degree**

[www.wctc.edu/electrical-eng](http://www.wctc.edu/electrical-eng)

*If you enjoy science, technology, engineering and math principles, are a practical, problem solver and have an interest in translating engineering drawings and diagrams, this career path may be for you. The role of an electrical engineering technician is application based, and technicians work closely with engineers and scientists.*

## About This Program

Electrical engineering technologists' work involves the design, development, production, testing, manufacturing and repair of electronic and electrical equipment. In this calculus-based program, gain skills necessary to apply knowledge of electrical theory to numerous settings, including research and development, manufacturing, field service engineering among others.

## What Makes This Program Unique

- WCTC's program is accredited by the Engineering Technology Accreditation Commission of ABET.
- Excellent employment opportunities in industries such as electronics, medical, industrial controls, avionics, telecommunications, manufacturing, electrical power, automotive and more.
- Small class sizes provide for personal attention and additional academic support.
- The Electronics Technology Club provides further exposure to the electronics industry.
- Articulation agreements with four-year universities can provide substantial cost savings.

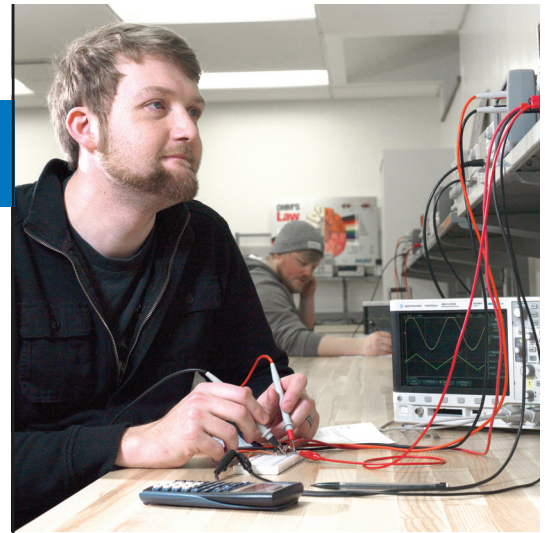
### Career Salaries

\$41,000 – \$58,000 annually

*Salary range calculated as the 25th to 75th percentile of all wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Program graduate wages may vary based on experience, industry, location and specific job requirements.*

### Potential Careers

- Electrical Engineering Technologist
- Engineering Assistant
- Electrical Technician
- Electronics Repair Technician
- Technical Support Representative



PROGRAM CODE 10-662-1

### CORE COURSES:

	Credits	
605-118	Digital Electronics I	2
605-119	Digital Electronics II	2
605-126	Industrial Systems	3
605-127	Elect Fabrication Techniques	2
605-148	Data Acquisition	3
605-182	Microcontrollers	3
605-187	Electronic Data Communications	3
662-102	DC Circuit Analysis	4
662-104	AC Circuit Analysis	4
662-108	Linear Circuit Analysis	3
662-190	Electronic Circuits I	4
662-191	Electronic Circuits II	4

### GENERAL STUDIES:

801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
804-198	Calculus 1	4
804-156	Calculus 2	4
804-167	Calculus 3	4
806-187	Calculus Based Physics 1	3
806-188	Calculus Based Physics 2	3
809-195	Economics	3
809-196	Intro to Sociology	3
809-199	Psychology of Human Relations	3

