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.

• Find excellent employment opportunities in industries such as electronics, medical, industrial controls, avionics, telecommunications, manufacturing, electrical power, automotive and others.

• The Electronics Technology Club provides further exposure to the electronics industry.

• Articulation agreements with four-year universities can provide substantial cost savings.

Program Code: 10-662-1

Credits

CORE COURSES:
605-118 Digital Electronics I 2
605-119 Digital Electronics II 2
605-126 Industrial Systems 3
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
663-104 Programming for Electronics 1
663-106 Electronic Fabrication I 1

GENERAL STUDIES:
801-136 English Composition 1 3
801-196 Oral/Interpersonal Comm 3
804-156 Calculus 2 4
804-167 Calculus 3 4
804-198 Calculus 1 4
805-188 Calculus Based Physics 1 3
805-189 Calculus Based Physics 2 3
809-195 Economics 3
809-196 Intro to Sociology 3
809-199 Psychology of Human Relations 3

Career Salaries

$42,000 – $65,000 annually

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual 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

WCTC prohibits discrimination or harassment based on any status protected by applicable state or federal law.