



Electronic Systems Technology

60-credit Associate of Applied Science Degree

www.wctc.edu/electronics

If you enjoy a technical challenge, are an analytical problem solver and like to work with your hands, a job in electronics may be right for you. Those working in this field install, troubleshoot and repair equipment and systems with electronic, mechanical and electromechanical components.

About This Program

Develop the skills needed to design, fabricate, test, troubleshoot and repair electronic systems. Gain hands-on skills with microcontrollers, communications, data acquisition, electronic assembly, motors and controls, programmable logic controllers and mechanical repair. Learn to effectively use hand tools and electronic test equipment.



Career Salaries

\$49,800 – \$78,900 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

Electronics Technician
Electronics Repair Technician
Field Services Coordinator
Technical Support Representative
Technical Sales Person

What Makes This Program Unique

- Program curriculum is reviewed by a team of industry leaders ensuring that students are properly prepared to enter today's workforce.
- Explore electronics, automation and mechanical principles through a balanced curriculum.
- Use a wide variety of electronic test and measurement equipment, software and hand tools used in the industry.



PROGRAM CODE 10-663-4

CORE COURSES

Credits

462-151	Mechanical Power Trans 1	3
605-118	Digital Electronics I	2
605-129	Elect Pwr Ctrl & Motors	3
605-148	Data Acquisition	3
605-182	Microcontrollers	3
605-188	PLC 1	2
605-187	Electronic Data Communications	3
605-189	PLC 2	2
605-198	Power Electronics	3
663-100	Embedded Systems	3
663-101	Internship - Electronics	1
663-102	DC/AC Electronics	5
663-103	Electronics for Industry	4
663-104	Programming for Electronics	1
663-105	Electronics Troubleshooting	2
663-106	Electronic Fabrication I	1
663-107	Electronic Fabrication II	1
664-165	Fabrication-Automation Systems	2

GENERAL STUDIES

801-136	English Composition 1	3
801-196	Oral/Interpersonal Comm	3
804-107	College Mathematics	3
809-166	Intro to Ethics: Theory & App	3
809-199	Psychology of Human Relations	3
890-108	Employment Success	1



WAUKESHA COUNTY TECHNICAL COLLEGE

Hands-on Higher Ed