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.

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.
• Gain hands-on learning in real-world settings through technical internship experiences.
• The Electronics Club provides further exposure to the electronics industry.

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

PROGRAM CODE 10-663-4

Credits

CORE COURSES:
462-100 Mechanical Repair 3
605-118 Digital Electronics I 2
605-148 Data Acquisition 3
605-188 PLC 1 2
605-129 Elect Pwr Ctrl & Motors 3
605-182 Microcontrollers 3
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
663-104 Programming for Electronics 1
663-106 Electronic Fabrication I 1
663-107 Electronic Fabrication II 1
663-103 Electronics for Industry 4
663-105 Electronics Troubleshooting 2
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

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