



Automation Systems Technology

60-credit Associate of Applied Science Degree

www.wctc.edu/automation-systems

If you like to program or operate robots, have an interest in science, technology, engineering and math (STEM), are a logical thinker and a complex problem solver, a career in automation systems technology might be for you. This solutions-focused career is great for analytical thinkers.

About This Program

Automated systems have become standard in many industries to provide reliable ways to program and control machine movements. In this program, learn about robotics and programmable logic controllers, discover how automation principles apply to business/industry, and develop skills to work with complex computers and machinery in automated production lines.



Career Salaries

\$46,800 – \$69,300 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

Automation Systems Technician
Mechatronics Technician
System Designer
Field Service Technician
Industrial Controls Technician

What Makes This Program Unique

- Develop skills in WCTC's state-of-the-art Terry Lutz Integrated Manufacturing Center.
- Hands-on training includes programming state-of-the-art Fanuc robots.
- Partner with organizations such as Discovery World to build automated systems that engage and inspire students.



PROGRAM CODE 10-664-1

CORE COURSES

Credits

414-186	Industrial Electricity	2
462-151	Mechanical Power Trans 1	3
605-129	Elect Pwr Ctrl & Motors	3
605-138	SS Devices for Automation	2
605-139	Human Machine Interfaces	3
605-188	PLC 1	2
605-189	PLC 2	2
605-191	PLC 3	2
605-193	PLC - Siemens Controllers	2
605-196	Drives and Intro to Servos	2
605-197	Sensors and Process Control	2
606-153	Internship - Applied Tech	1
612-110	Industrial Hydraulic Systems	2
612-115	Industrial Pneumatic Systems	2
664-160	Robotics and Servo Control	3
664-161	Automation Systems	3
664-162	Robotics Applications	3
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
806-139	Survey of Physics	3
809-195	Economics	3
809-199	Psychology of Human Relations	3
890-108	Employment Success	1

