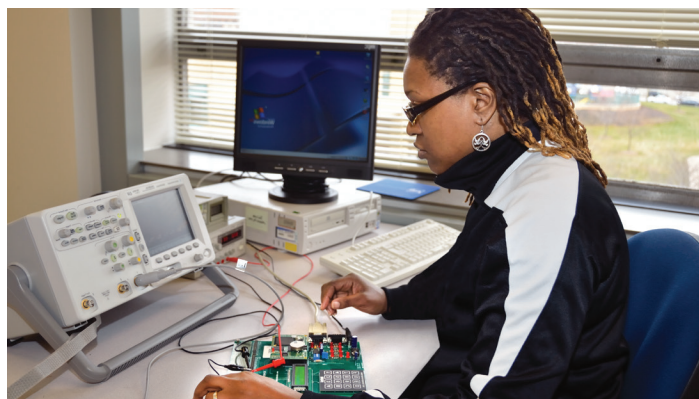


Electronic Technology – Automation

PROGRAM CODE: 10-605-1



Associate Degree

**Location:** Downtown Milwaukee Campus**Start Dates:** August and January**Admission Requirement:** High school diploma or equivalent**Academic Preparedness Requirements:** One year of high school-level geometry and one year of high school-level algebra, or equivalent**Financial Aid Eligible:** Yes. Use code 003866 at fafsa.gov.

Program Description

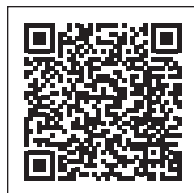
This program features industry-relevant hands-on labs and is designed to prepare students for a variety of occupations in the field of electronics.

Career Outlook

Electronic technology is a rapidly changing field, which creates great opportunities. Skills acquired from this program provide a strong foundation to keep pace with the technology.

Program Learning Outcomes

- Apply electronic theory to practice.
- Operate test equipment.
- Build electronic circuits and systems.
- Evaluate the operation of electronic circuits or systems.
- Communicate technical information.

**Complete Program Details****QUESTIONS?** 414-297-6319 or stempathway@matc.edu

COURSES	CREDITS
QETECH-200 Fundamentals of Engineering	3
ELCTEC-110 DC/AC Electronics 1 ‡ ^	4
ELCTEC-130 Digital Electronics ‡ ^	3
ENG-195 Written Communication ‡	3
(or) ENG-201 English 1 ‡	
MATH-115 College Technical Mathematics 1 ‡ ^	5
ELCTEC-111 DC/AC Electronics 2 ‡ ^	3
ELCTEC-120 Electronic Devices ‡ ^	4
ELCTEC-140 Microprocessors ‡ ^	3
ELCTEC-186 Fabrication Techniques ‡	1
MATH-116 College Technical Mathematics 2 ‡	4
ELCTEC-150 Data Communications and Networking ‡	3
ELCTEC-173 Computing With C ‡	3
ELCTEC-195 Motor Controls ‡	4
ELCTEC-196 PLC Systems Basic ‡	3
ENG-197 Technical Reporting ‡	3
ELCTEC-192 Fluid Power ‡	2
ELCTEC-198 PLC Systems Advanced ‡	3
ELCTEC-199 Automated Systems ‡	3
ELECTIVE (One credit)	1
Any 100-, 200- and/or 300-level courses in any subject.	
ELCTEC-100 and ELCTEC-101 are suggested	
PSYCH-199 Psychology of Human Relations	3
(or) PSYCH-231 Introductory Psychology	
SOCSCI-197 Contemporary American Society	3
(or) SOCSCI-203 Introduction to Sociology	

CREDITS

Total credits needed to complete this degree

64

‡ Prerequisite required.

^ Counts toward earning the Electronics Technician Fundamentals technical diploma.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

MATC courses are offered in person, entirely online or partially online. Check each course's delivery options in Self-Service at selfservice.matc.edu. Official Wisconsin Technical College System program title: Electronics.