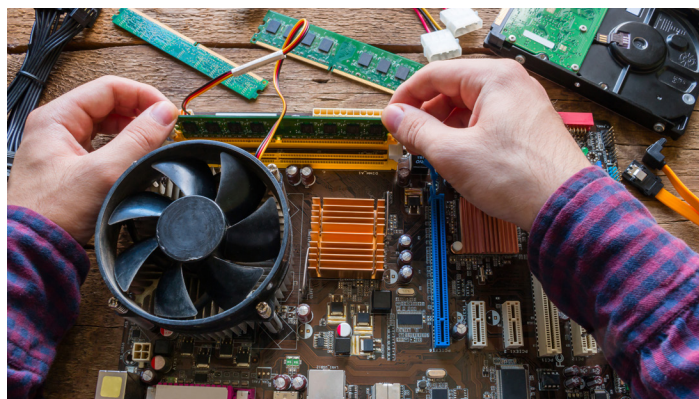


Electronic Engineering Technology

PROGRAM CODE: 10-605-7



Associate Degree

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

Program Description

Gain the expertise for professional testing/repair positions in the electronics field. If you are interested in continuing your education to pursue a Bachelor of Science Electrical Engineering degree at Milwaukee School of Engineering (MSOE), select the MSOE-BSEE Transfer courses.

Career Outlook

Technicians assist engineers and producers of electronic equipment and systems and are part of a fast-growing career area.

Program Learning Outcomes

Apply electronic theory to practice, operate test equipment and build electronic circuits and systems.

‡ Prerequisite required. Program curriculum requirements are subject to change.

^ Counts toward earning the Electronics Technician Fundamentals technical diploma.

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 WTCS program title: Electronic Systems Technician.

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

COURSES

JOB READY

QETECH-200	Fundamentals of Engineering.....	3
ELCTEC-110	DC/AC Electronics 1 ‡ ^	4
ELCTEC-130	Digital Electronics ‡ ^.....	3
ENG-195	Written Communication ‡ (or) ENG-201 ‡.....	3
MATH-115	College Technical Mathematics 1 ‡ ^	5
	(or) MATH-230 ‡ (or) MATH-231 ‡	
PSYCH-199	Psychology of Human Relations (or) PSYCH-231.....	3
ELCTEC-111	DC/AC Electronics 2 ‡ ^	3
ELCTEC-120	Electronic Devices ‡ ^	4
ELCTEC-140	Microprocessors ‡ ^.....	3
MATH-116	College Technical Mathematics 2 ‡.....	4
	(or) MATH-231 ‡ (or) MATH-232 ‡	
ELCTEC-121	Electronic Devices Advanced ‡	3
ELCTEC-150	Data Communications and Networking ‡	3
ELCTEC-196	PLC Systems Basic ‡	3
ENG-197	Technical Reporting ‡	3
	(or) Any 200-level ENG or SPEECH course	
ELCTEC-131	Advanced Digital Electronics ‡ (or) ELCTEC-198 ‡.....	3
ELCTEC-141	Microcontrollers ‡	3
ELCTEC-176	Computer Networks ‡	3
ELCTEC-195	Motors and Controls ‡	4
ELECTIVE	(One credit)	1
SOCSCI-197	Contemporary American Society (or) SOCSCI-203.....	3

CREDITS

Total credits needed to complete this degree

64

MSOE-BSEE TRANSFER*

QETECH-200	Fundamentals of Engineering.....	3
ELCTEC-110	DC/AC Electronics 1 ‡ ^	4
ELCTEC-130	Digital Electronics ‡ ^.....	3
ENG-201	English 1 ‡	3
PSYCH-231	Introductory Psychology.....	3
ELCTEC-111	DC/AC Electronics 2 ‡ ^	3
ELCTEC-120	Electronic Devices ‡ ^	4
ELCTEC-140	Microprocessors ‡ ^.....	3
SOCSCI-203	Introduction to Sociology	3
PHYS-274	Calculus-Based Physics 1 ‡	4
ELCTEC-105	DC/AC 3 Advanced Circuits ‡	3
ELCTEC-121	Electronic Devices Advanced ‡	3
ELCTEC-195	Motors and Controls ‡	4
ELCTEC-196	PLC Systems Basic ‡	3
ENG-208	Technical Communications ‡	3
MATH-231	Analytic Geometry and Calculus 1 ‡	5
ELCTEC-106	Advanced Electronics Analysis ‡	3
ELCTEC-141	Microcontrollers ‡	3
ELCTEC-150	Data Communications and Networking ‡	3
ELECTIVES	(Five credits)	5
MATH-232	Analytic Geometry and Calculus 2 ‡	5

CREDITS

Total credits for MSOE-BSEE transfer program

*73