



Electronics Technician Fundamentals

TECHNICAL DIPLOMA Program Code: 30-605-1

Downtown Milwaukee Campus

Gain the core competencies of electronics, such as DC/AC principles, digital electronics and microprocessors, through coursework that emphasizes hands-on learning. These skills provide entry-level opportunities for employment, or the base knowledge to pursue further education in electronics.

Career Outlook

Electronics is a rapidly changing field, with jobs in many sectors of industry.

After earning this technical diploma, you can apply the credits toward completing the Biomedical Electronics Technology, Computer Electronics Technology, Electronic Technology – Automation or Electronic Engineering Technology associate degree.

Program Learning Outcomes

- Apply the practical and theoretical foundations of electronics technology to solve problems
- Integrate and repair electronic circuits and systems
- Apply critical thinking skills necessary to install and maintain electronic systems and equipment
- Write technical reports and process documentation

Admission Requirements

- A high school diploma or GED
- One year of high school-level geometry and one year of high school-level algebra, or equivalent



STEM
MILWAUKEE AREA Technical College

For complete information, go to
matc.edu/course-catalog/stem

To apply for financial aid, visit fafsa.gov School Code: 003866

COURSES	Credits
ELCTEC-110 DC/AC Electronics 1 ‡.....	4
ELCTEC-130 Digital Electronics ‡.....	3
MATH-115 College Technical Mathematics 1 ‡.....	5
ELCTEC-111 DC/AC Electronics 2 ‡.....	3
ELCTEC-120 Electronic Devices ‡.....	4
ELCTEC-140 Microprocessors ‡.....	3
TOTAL CREDITS: 22	

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their
[Academic Program Plan](#) for specific curriculum
requirements.

Possible Career

- Electronics Assembler

Related Programs

- Biomedical Electronics Technology
- Computer Electronics Technology
- Electronic Technology – Automation
- Electronic Engineering Technology



10% Post Consumer Recycled



matc.edu or 414-297-MATC
Wisconsin Relay System 711

Downtown Milwaukee Campus
700 West State Street

Mequon Campus
5555 West Highland Road

Oak Creek Campus
6665 South Howell Avenue

West Allis Campus
1200 South 71st Street

**MATC Education Center
at Walker's Square**
816 West National Avenue, Milwaukee