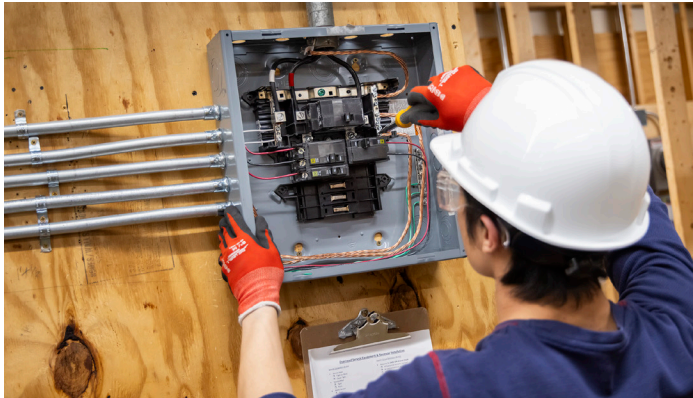


Electricity

PROGRAM CODE: 31-413-1



Technical Diploma

**Location:** Downtown Milwaukee Campus**Start Dates:** August and January

Admission Requirements: High school diploma or equivalent, ability to drive and a valid driver's license. This program admits students through a waiting list process. Visit the program's webpage at matc.edu to view the waiting list process and all requirements.

Academic Preparedness Requirement: High school-level algebra

Financial Aid Eligible: Yes. Use code 003866 at fafsa.gov.

Program Description

Learn skills needed for entry-level electrician positions in industry and the building trades. This program does not substitute for an electrical apprenticeship, but it does offer the basic knowledge needed to begin working for some electrical contractors.

Career Outlook

Some graduates use the training as a step toward an electrician apprenticeship.

Program Learning Outcomes

- Apply electrical theory.
- Install electrical equipment in a residential setting.
- Install electrical equipment in a commercial setting.
- Analyze industrial equipment.

**Complete Program Details****QUESTIONS?** 414-297-8901 or mctpathway@matc.edu

COURSES

CREDITS

ELECTY-308	Basic Skills for Electrical Wiring ‡	2
ELECTY-310	Cable Wiring ‡	2
ELECTY-312	Electrical Raceway Installation ‡	2
ELECTY-340	Electrical Code Fundamentals 1 ‡	2
ELECTY-378	Construction Blueprint Reading ‡	1
ELECTY-392	Principles of Electricity (or) ELECTY-390 Principles of Electricity 1 and ELECTY-391 Principles of Electricity 2	5
ELECTY-314	Electrical Service Installation ‡	1
ELECTY-328	Electric Motor Control Wiring ‡	2
ELECTY-341	Electrical Code Fundamentals 2 ‡	1
ELECTY-382	Electrical Equipment Circuit Analysis ‡	1
ELECTY-384	Electrical Design and Estimating ‡	1
ELECTY-386	Solid State Devices ‡	2
ELECTY-394	Electrical Apparatus ‡	4
ENG-340	Workplace Communication (or) ENG-195 Written Communication ‡	2

CREDITS

Total credits needed to complete this diploma

28

‡ Prerequisite required.

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.