TRANSIT WORKFORCE CENTER

Building Foundational Skills for the Transit Workforce

Launching the Transit Core Competencies Curriculum (TC3)

June 2, 2026

U.S. Department of Transportation

Federal Transit Administration

A program of the **Federal Transit Administration** administered by the International Transportation Learning Center

Transit Workforce Center – Mission

Operated by the **International Transportation Learning Center** (ITLC), the **Transit Workforce Center** (TWC) is the Federal Transit Administration's national technical assistance center for transit workforce development. TWC supports the workforce development needs of urban, suburban, tribal, and rural public transportation entities across the country.

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TWC Services

Targeted Technical Assistance

Registered Apprenticeship (ATTAIN)

Transit Workforce Data Dashboard

Mentor Development

Resource Center

Transit Core Competencies Curriculum (TC3)

Funding Information

National Transit Frontline Worker Recruitment Campaign

Recruit • Hire • Develop • Retain

Fleet Transition and New Technologies

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Today's Agenda

1. Why TC3?
2. What is TC3?
3. Program Overview
4. Electrical Foundations Launch
5. Available Resources and Support
6. Future Release
7. Questions

Transit Workforce Challenges

Across the country agencies report:

- Need to recruit and prepare new hires, who often enter with foundational skills gaps
- Experienced employees are retiring
- Limited resources and capacity for skills development

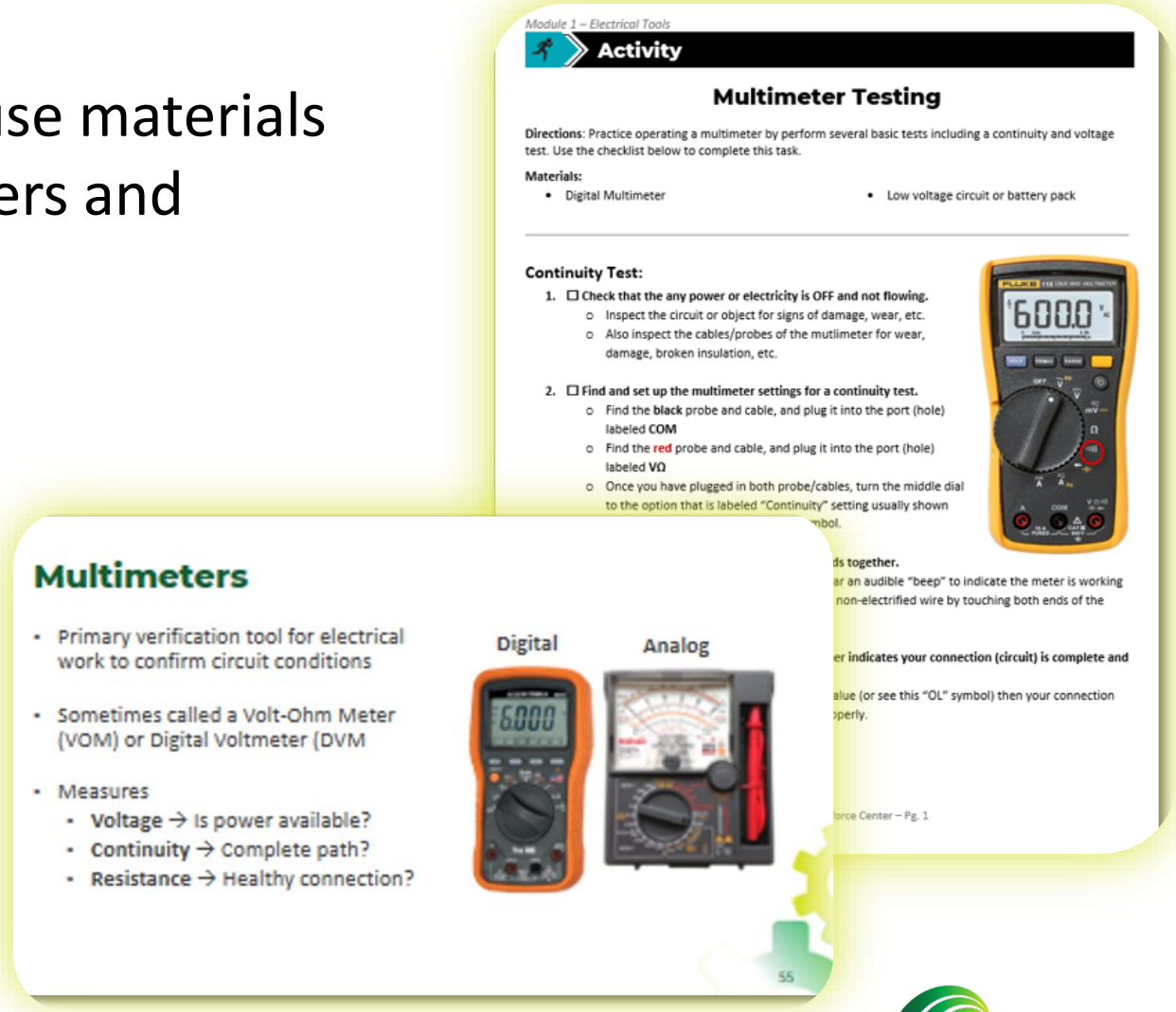
Introducing TC3: Program Overview

TC3 provides foundational courses in:

- Electrical Foundations
- Mechanical Foundations
- Shop Math
- Computer Basics
- Industry Awareness
- Workplace Relations

What The TC3 Program Provides

- Freely available, ready-to-use materials built for frontline maintainers and operators
- Modular and flexible
- Scalable and adaptable
- Customizable



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Industry Driven Collaboration & Development

Developed with:

- Transit subject matter experts (SMEs)
- Maintenance and operations trainers
- Agency leadership
- Union and frontline representatives

Tested through:

- Pilot courses
- Range of participants
- Agency feedback
- Curriculum reviews

Ready to Implement

TC3 Foundational Technical Courses

Electrical

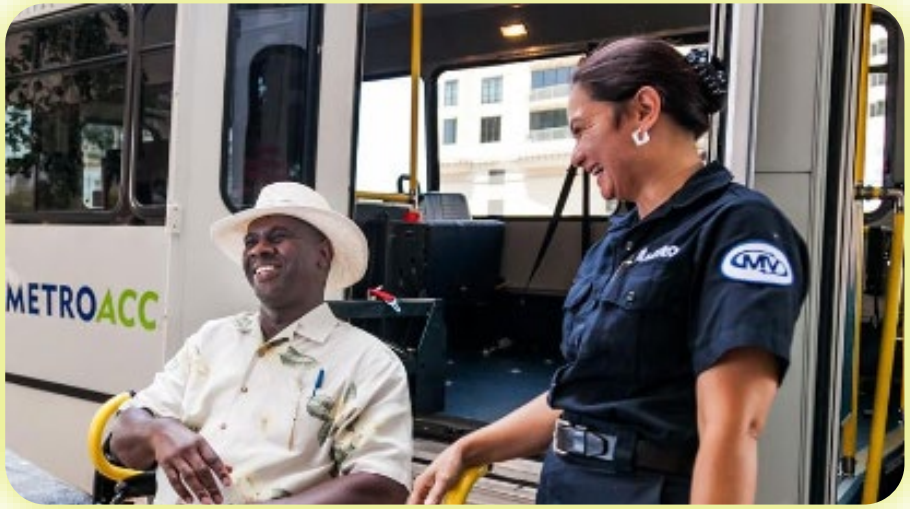
Mechanical

Math

Computers

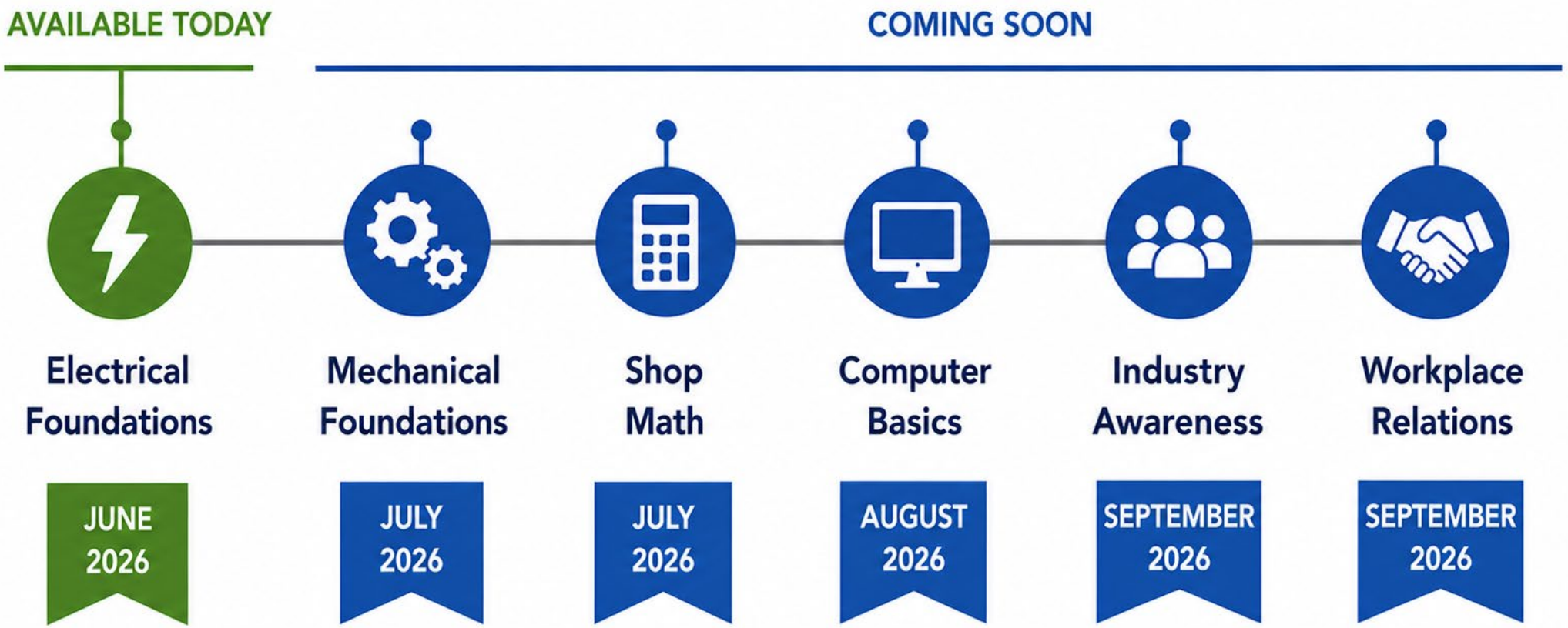
TC3 Career Awareness and Workplace Skills Courses

Industry Awareness



Workplace Relations

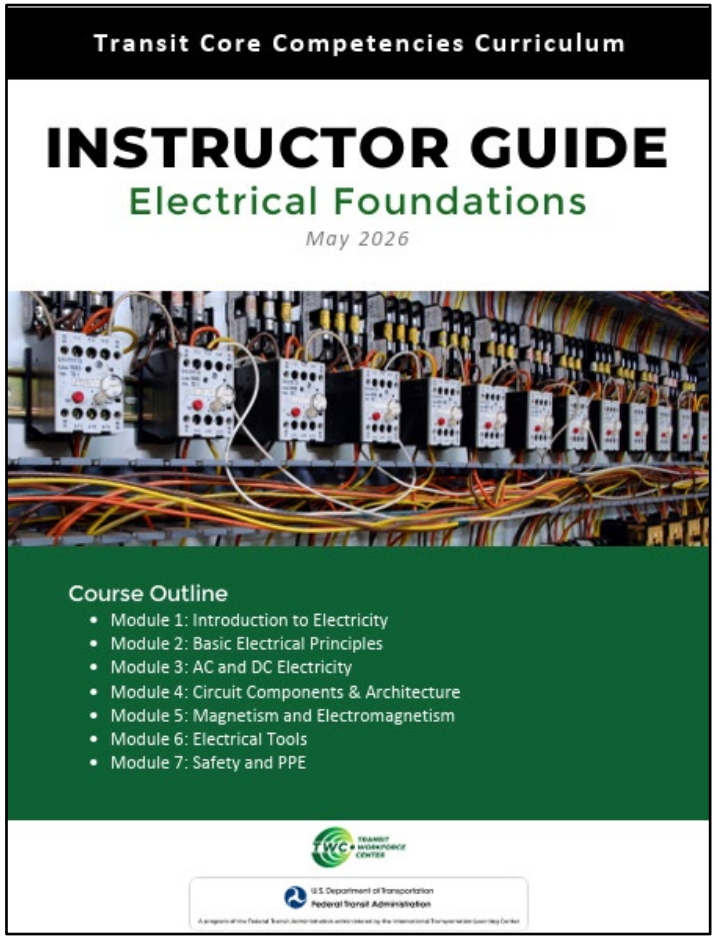
Release Roadmap



Electrical Foundations

Seven Modules

1. Introduction to Electricity
2. Basic Electrical Principles
3. AC and DC Electricity
4. Circuit Components & Architecture
5. Magnetism and Electromagnetism
6. Electrical Tools
7. Safety and PPE



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Built to Support Both Learners and Instructors

- ✓ Easy for trainers to implement
- ✓ Focused on practical job application
- ✓ Engaging activities and discussions
- ✓ Consistent across locations and instructors
- ✓ Assessment tools to track learner progress
- ✓ Flexible modules that can be used independently or as a complete course

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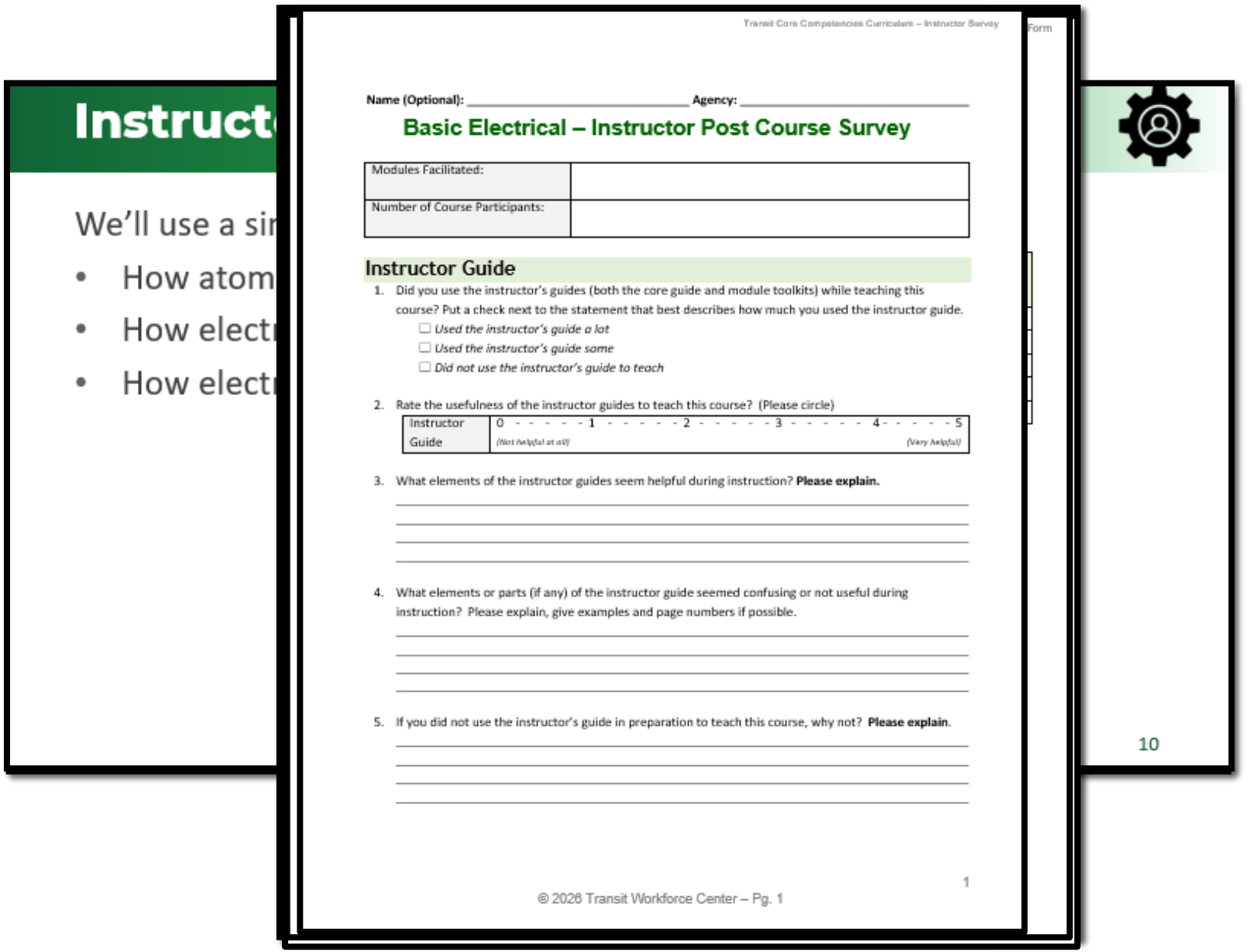
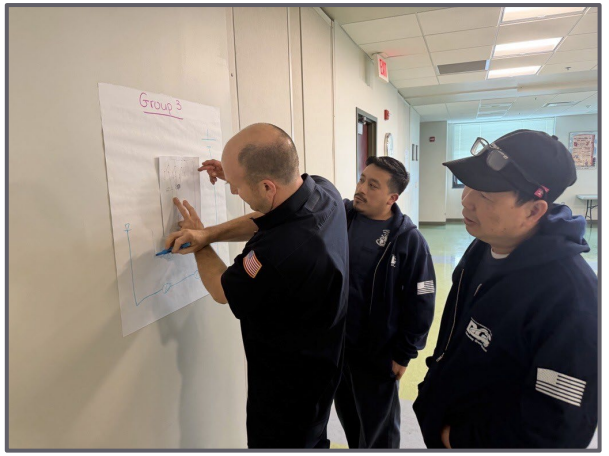
Inside the TC3 Course Materials



Electrical Foundations Delivery



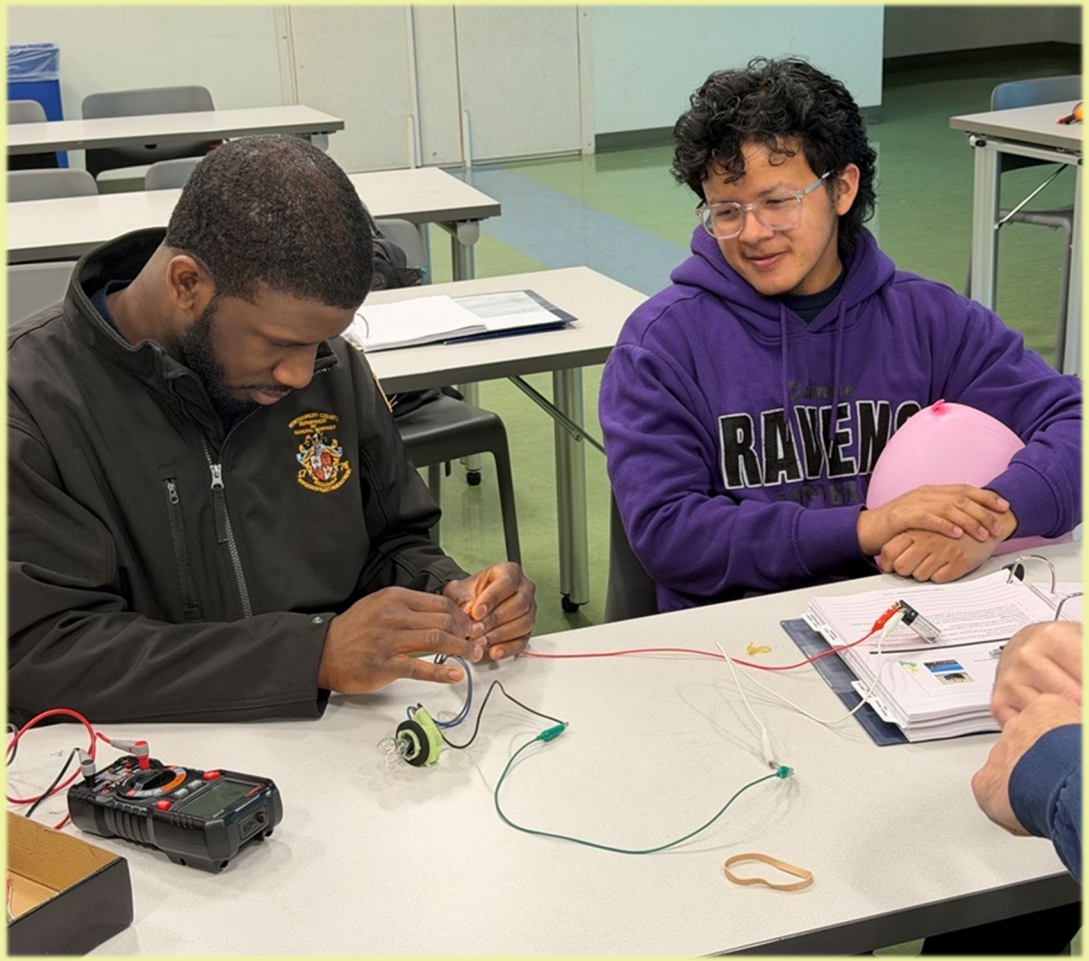
Montgomery County | Rockville, MD | May 2026

Participant Feedback

- One of the few courses that offers material that matches 100% with the class progression.
- This was a great course to fill in the gaps of the fundamentals, to realize what makes things work the way they do and understand how to diagnose the issue at hand.
- I went through a similar course, it was nice, but where you really nail it is you have a series of exercises where you involve the group; the way that you present and let us work in our mind, it works very well.

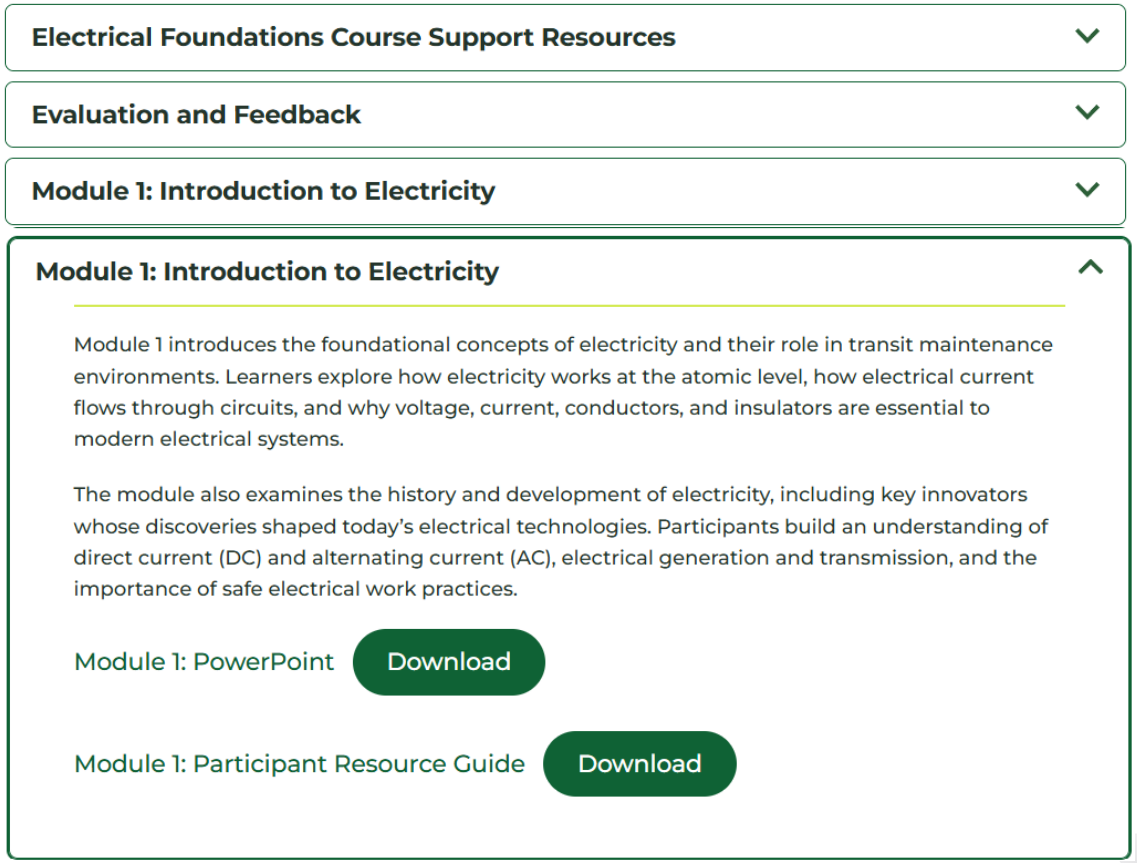
Ways To Use The TC3 Program

- Train new hires
- Upskill current employees (or refresher training)
- Support apprenticeship programs
- Career awareness and pipeline programs



How to Get Started

1. Visit the TC3 page on the TWC Website
2. Download materials
3. Review the curriculum
4. Request instructor resources
5. Contact TWC for support
6. Keep an eye out for future course releases and implementation support webinars



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Q&A

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Thank You!

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