MORAINE PARK
TECHNICAL COLLEGE
1-800-472-4554 | TTY/VP. Use Relay/VRS

ELECTRICITY

Program Number: 31-413-1
Technical Diploma (1 year)
Campus: Fond du Lac; West Bend
This program is eligible for financial aid (http://www.morainepark.edu/financial-aid/)

Prepare for the State Electrical Apprenticeship program and enter a career in electricity with Moraine Park Technical College's two-semester electricity diploma.

About the Program

The Electricity program provides students with a strong foundation in general electrical concepts. Students gain skills in residential, commercial and industrial electricity. From analyzing electrical circuits to investigating theories and principles of renewable energy, this program provides students with a wide skillset and prepares graduates to enter the workforce and become an electrician apprentice.

What You'll Learn

Students in the Electricity program gain hands-on training in reading blueprints, using trade-specific math, and understanding electrical code and theory. Students also review renewable energy theories and principles.

Graduates are skilled in applying electrical codes, evaluating electrical circuits, and installing electrical equipment in residential, industrial and commercial settings. They are also prepared to explain and follow construction safety practices.

Transfer Opportunities

Your academic journey can continue at a four-year college or university. Earn your associate degree at Moraine Park and then apply those credits toward a bachelor's degree. Starting at MPTC makes completing a bachelor's degree **affordable**, **accessible** and **convenient**. You can go anywhere as MPTC has transfer agreements with colleges and universities both in Wisconsin and throughout the country.

Visit the Transfer to a Four-Year College (https://www.morainepark.edu/transfer-to-a-four-year-college/) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

Additional Information

Note: Students must purchase a tool kit for this program.

Admission Process

Standard Admissions (http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/) steps details

Credit for Prior Learning

Transform the skills and abilities developed through previous experience into college credit through MPTC's Credit for Prior Learning process.

- Transfer credit from other colleges/universities
- Earn college credit for your military training and experience
- Earn college credit via Advance Placement, CLEP, DANTES/DSST or MPTC Challenge Exams
- Earn college credit from previous/current work and life experiences

Visit MPTC's Credit for Prior Learning (https://www.morainepark.edu/academics/credit-for-prior-learning/) page for more information.

Approximate Costs

NOTE: The fees below are 2025-2026 fees. They will be updated when 2026-2027 fees are approved.

Tuition

Occupational

- $152.85 per credit (resident)
- $229.28 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- $192.20 per credit (resident)
- $288.30 per credit (out-of-state resident)

Online students are not charged out-of-state fees.

Student Fees

- $5.00 minimum per course Material Fee
- $13.76 per-credit Supplemental Fee for Undergraduate courses
- $4.50 per term mandatory Student Accident Insurance Fee

Please refer to Tuition & Fee Information (https://catalog.morainepark.edu/admissions-registration/tuition-fee-information/) for additional enrollment fee information.

Financial Aid

Financial Aid is available for associate degree and technical diploma programs (those that are 2 semesters in length and typically with 28 credits or more). Processing can take 4-5 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (https://studentaid.gov/h/apply-for-aid/fafsa/)) is received.

Several factors influence the total cost of your degree, including enrollment fees, the number of credits required, textbooks and equipment. Financial aid (https://www.morainepark.edu/pay-for-college/financial-aid/) can assist with those costs.

Course Requirements

Course	Title	Credits
Semester 1		
103-159	Computer Literacy - Microsoft Office	1
413-350	Beginning Electrical Concepts	2
413-355	Residential and Commercial Wiring Concepts	3
413-360	Introduction to National Electrical Code	2
413-361	Intermediate National Electrical Code	2
413-363	OSHA Job Site Safety	1
413-370	Construction Trades Blueprint Reading	2
804-360	Occupational Mathematics 1	2
890-101	College 101	2
	Credits	**17**
Semester 2		
413-351	Advanced Electrical Concepts	2

413-365	Basic Motor Controls	3
413-380	Industrial Wiring Concepts	3
413-385	Electrical Fabrication	2
413-386	Trends in Electricity	1
801-196	Oral and Interpersonal Communication	3
804-118	Intermediate Algebra With Applications	4
	Credits	**18**
	Total Credits	**35**

Program Outcomes

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

Pathways

- Electricity Technical Diploma (p. 1)
    - Industrial Wiring Certificate (https://catalog.morainepark.edu/program-information/programs/industrial-wiring-certificate/)

Earn a certificate and technical diploma along this pathway. Start with some courses for entry-level employment, and continue with additional courses for higher wages and job advancement.

Career Opportunities

- Apprentice Commercial Electrician
- Apprentice Industrial Electrician
- Apprentice Residential Electrician

Statewide Median Salary for Recent Graduates

$37,437