

ELECTRICAL POWER DISTRIBUTION

Program Number: 31-413-2

Technical Diploma (1 year)

Campus: Beaver Dam

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

Climb to new heights in your career with a one-year Electrical Power Distribution technical diploma at Moraine Park Technical College.

About the Program

Reach new heights in the diverse and exciting field of Electrical Power Distribution. Students in this one-year program get theoretical and hands-on training in all phases of power line construction and maintenance. Individuals must be comfortable working at varying heights during extreme weather conditions. Good eyesight, hearing and manual dexterity are required to be successful.

What You'll Learn

Students gain knowledge about the workings of electrical power systems. Preparing to work as power linemen, students demonstrate the required physical skills needed with hands-on training in the field. Graduates of the program are prepared to use both hands to perform pole work and construct various electrical distribution systems. Students learn safety standards and how they apply to work activities and operating equipment associated with electrical distribution needs.

Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer to a Four-Year College (<https://www.morainepark.edu/academics/transfer-information/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

Students must purchase a tool kit for this program (approximately \$1,500). A field experience day is held in fall and/or spring to give applicants an opportunity to learn about careers, job opportunities and endurance expectations and to experience pole climbing. A clean driving record is required for employment in this field.

Students will need a fed med (Federal Medical) qualified physical, a fed med card, and a specific drug test prior to beginning the program, unless students already possess a CDL upon entering the program.

CPR/First Aid certification are required components of the program.

Students will receive all related details during their Field Day event.

Admission Process

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

Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

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

Approximate Costs

Tuition

Occupational

- \$146.20 per credit (resident)
- \$219.30 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- \$188.90 per credit (resident)
- \$283.35 per credit (out-of-state resident)

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

Student Fees

- \$4.50 minimum per course Material Fee
- \$12.50 per-credit Supplemental Fee for Undergraduate courses
- \$10 minimum per credit Online Course Fee (Fee suspended for 2023-2024)
- \$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. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

While attending Moraine Park during the 2023-24 school year, your estimated cost of attendance for one full year includes tuition of \$4,375 (15 credits for fall and spring semester), fees of \$338, food and housing of \$4,052 (if living with parents, \$9,614 if living on your own), books and supplies of \$2,061, personal expenses of \$2,245, and transportation of \$2,007 for a total of \$15,161. Your direct costs (those costs paid directly to the college) include tuition & fees. The indirect costs (costs not paid to the college) can vary from individual to individual and your own personal needs.

Course Requirements

Course	Title	Credits
Semester 1		
103-159	Computer Literacy - Microsoft Office	1
413-308	Electrical Concepts for Utilities	2
413-309	Line Technician 1	5
413-310	Line Technician 2	5
413-318	Directional Boring	2
458-301	Commercial Driver's License Theory 1	1
804-363	Algebraic Applications for Electrical Trades	2
890-101	College 101	2
Credits		20
Semester 2		
469-347	Safety Applications for Utilities 1 (January-1 week) ¹	1
413-342	Introduction to Electrical Substations	1
413-311	Line Technician 3	5
413-312	Line Technician 4	5
458-302	Commercial Driver's License Theory 2	2
469-348	Safety Applications for Utilities 2	1
801-310	Occupational Communication	1
806-375	Applied Science	2
809-300	Occupational Success Strategies	1
Credits		19
Total Credits		39

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Students will obtain OSHA 30 certification thru completion of the Safety Applications for Utilities 1 course (469-347 Safety Applications for Utilities 1).

All 413-xxx courses are restricted to Electrical Power Distribution program students.

Program Outcomes

- Apply electrical theory
- Construct overhead electrical distribution systems
- Disassemble overhead electrical distribution systems
- Construct underground electrical distribution systems
- Disassemble underground electrical distribution systems
- Construct overhead electrical transmission systems
- Disassemble overhead electrical transmission systems
- Maintain electrical systems

Career Opportunities

- Apprentice Line Worker
- Apprentice High-Voltage Line Technician
- Apprentice Substation Maintenance Mechanic
- Apprentice Electrician
- URD Installer
- Line Construction Worker
- Electrical Meter Reader
- Pole Inspection Worker
- Line Clearance Technician

Statewide Median Salary for Recent Graduates

\$62,395