

# Electrical Power Distribution

## Description

The Electrical Power Distribution program provides theoretical and hands-on training in all phases of power line construction and maintenance. Individuals must have: the ability to work in a diverse work environment, the ability to work at heights and in all weather conditions, good eyesight and hearing, and manual dexterity to be successful in a career as a line mechanic. A Class A Commercial Driver's License (CDL) is included in the program.

This technical diploma program prepares students for entry-level employment as line technician trainees for electrical utilities, telephone companies and related businesses. Graduates of the program may enter their employer's apprentice program.

## Program Outcomes

- Apply safety rules to electrical power distribution work activities.
- Construct overhead electrical distribution systems.
- Construct underground electrical distribution systems.
- Demonstrate the required physical skills for a line worker.
- Integrate electrical theory fundamentals with electrical distribution needs.
- Operate equipment associated with electrical power distribution.
- Provide single- and three-phase service voltages.
- Utilize both hands to perform pole work.
- Work within a team setting.
- Construct overhead electrical transmission system.

Technical Diploma: 31-413-2

Campus: Beaver Dam

## 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 Tree Trimmer

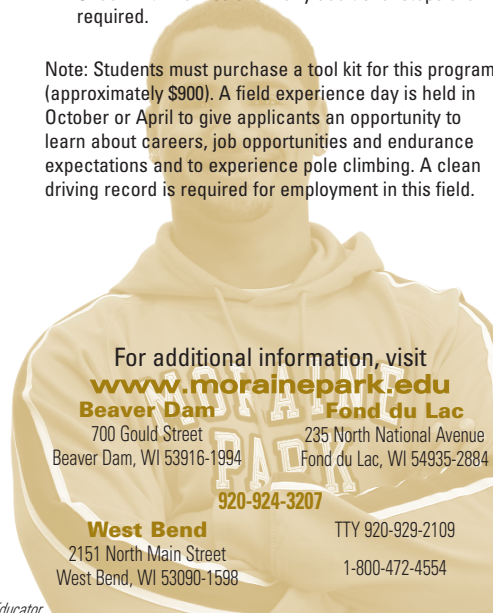
## Statewide Yearly Salary Range for Recent Graduates

\$23,398 - \$72,264

## Admission Process

- Submit the college admission application.
- Submit the \$30 one-time fee.
- Submit high school/other official college transcripts.
- Take the college placement assessment (ACCUPLACER, ACT or other).
- Meet with an admissions specialist to determine the best course sequencing and prerequisites (required for this program).
- Check with Admissions if any additional steps are required.

Note: Students must purchase a tool kit for this program (approximately \$900). A field experience day is held in October or April 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.



For additional information, visit  
[www.morainepark.edu](http://www.morainepark.edu)

**Beaver Dam** 700 Gould Street  
Beaver Dam, WI 53916-1994

**Fond du Lac** 235 North National Avenue  
Fond du Lac, WI 54935-2884

920-924-3207

**West Bend** 2151 North Main Street  
West Bend, WI 53090-1598

TTY 920-929-2109  
1-800-472-4554

Course Number	Course Title	Year	2009-2010					2010-2011													
			Cr.	S	F	W	P	S	F	W	P										
<b>Core Courses</b>																					
413-103	Commercial Driver's License (CDL) Preparation	1																			
413-303	Pole Climbing Techniques	3																			
413-304	Overhead Line Construction 1	3																			
413-305	Overhead Equipment Installation 1	2																			
413-306	Maintenance and Troubleshooting 1	2																			
413-307	Electrical Theory and Safety 1	3																			
413-313	Underground Distribution	2																			
413-314	Overhead Line Construction 2	3																			
413-315	Overhead Equipment Installation 2	3																			
413-316	Maintenance and Troubleshooting 2	2																			
413-317	Electrical Theory and Safety 2	3																			
<b>Technical Support Courses</b>																					
801-310	Occupational Communication	2																			
804-363	Algebraic Applications for Electrical Trades	2																			
806-375	Applied Science	2																			
809-300	Occupational Success Strategies	2																			
		<b>Total</b>	<b>35</b>																		
<b>Schedule a Course</b>																					
<b>Academic Planner</b>																					
An Electrical Power Distribution Exit Assessment is a graduation requirement for this program.																					
A Commercial Driver's License Skill Test (413-403) is a graduation requirement for this program.																					
Students will need a physical prior to beginning this program.																					
<b>Institutional Requirements</b>																					
890-125	Student Success - take 1st semester																				
103-159	Computer Literacy/Advanced Standing - take 1st semester																				
890-130	Career Development - take 2nd semester																				

Semester Codes: S - Summer F - Fall W - Winter P - Spring

For course descriptions, please visit our Web site at [www.morainepark.edu](http://www.morainepark.edu).