Electrical Power Distribution/Line Mechanic

TECHNICAL DIPLOMA  Program Code: 31-413-2 | Mequon Campus

Help keep the power on. This two-semester program prepares students for entry-level electrical line worker positions in industry. Although this program does not substitute for an electrical apprenticeship, it does offer the basic knowledge needed to begin working for some electrical utilities, contractors and in related trades. Good physical strength, manual dexterity and the ability to climb without fear of heights are important attributes for success.

Career Outlook
Opportunities include apprenticeship or entry-level employment as a line worker, substation electrician, meter worker, cable installer and tree trimmer.

Workplace Competencies
Employers will expect graduates to:
• Apply basic electrical principles to electrical power distribution
• Use basic meters to check electrical circuits
• Do basic calculations relative to circuit loading and wire size
• Climb and work overhead
• Perform associated mechanical operations necessary to install, service, or remove electrical line equipment

Admission Requirements
• A high school diploma or GED
• Ability to drive and a valid driver's license
• Demonstration of proficiency in basic skills through a course placement assessment

Start date: August

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### Electrical Power Distribution/Line Mechanic Curriculum

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ELECTY-318</td>
<td>Electrical Power Distribution 1A ‡</td>
<td>5</td>
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<tr>
<td>ELECTY-319</td>
<td>Electrical Power Distribution 1B ‡</td>
<td>4</td>
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<tr>
<td>ELECTY-320</td>
<td>Electrical Principles &amp; Applied Math 1 ‡</td>
<td>4</td>
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<tr>
<td>ELECTY-321</td>
<td>Line Mechanic Rescue and Safety ‡</td>
<td>2</td>
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<tr>
<td>ELECTY-322</td>
<td>Electrical Power Distribution 2A ‡</td>
<td>5</td>
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<td>ELECTY-323</td>
<td>Electrical Power Distribution 2B ‡</td>
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<td>ELECTY-324</td>
<td>Electrical Principles &amp; Applied Math 2 ‡</td>
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<tr>
<td>ENG-341</td>
<td>Applied Communications</td>
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**TOTAL CREDITS:** 30

‡ Prerequisite required.

Program curriculum requirements are subject to change.

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### Possible Careers
- Apprentice Line Worker
- Electrician Cable Installer
- Electrical Line Worker
- Substation Electrician

### Related Program
- Electricity

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For complete information, go to matc.edu/tas/index.cfm

To apply for financial aid, visit fafsa.ed.gov

School Code: 003866