

INDUSTRY CAREERS

ELECTRICAL LINeworkER

Delivery: Daytime Classes
Start: July, Full-Time
Location: Rosemount Campus

Outcomes

Electrical Lineworker A.A.S. Degree 60 cr.
Electrical Lineworker Diploma 45 cr.

Major Description

Graduates are prepared to join the electrical power industry workforce as safe and knowledgeable apprentices. Along with extensive hands-on experience building power lines, students also practice both overhead and underground techniques. Campus instruction facilities include a large outdoor training field for pole climbing, line construction, bucket-truck operation and erecting power lines using power-line construction trucks.

Work Environment

Able to perform strenuous physical duties, electrical lineworkers work outdoors building overhead power lines and/or laying underground cable. Tool use, care, and safety awareness are extremely important.

Potential Job Titles

- Construction Lineworker
- Line Crewman
- Electric Power Line Installer
- Line Erector
- Line Installer-Repairer
- Power Lineworker

Salary Data

- Average Wage: \$31.35/hour
- Top Earners: \$39.57/hour

ELECTRICAL LINeworkER - A.A.S. DEGREE

*This is a sample course sequence.
Please contact your program advisor regarding your academic plans.*

July Start

ELLW1110	Distribution I	4
ELLW1120	Utility Equipment and Tools	2
Total Credits		6

First Year - First Semester

ELLW1130	Basic Electricity	2
ELLW1140	Distribution IIA	4
ELLW1141	Distribution IIB	4
ELLW1145	Rope and Rigging	2
ELLW1150	Construction Planning and Practices	2
ELLW1155	Equipment Operations	2
ELLW1160	Transformers I	4
Total Credits		20

First Year - Second Semester

ELLW1162	Transformers II	4
ELLW1165	Pole Top and Bucket Rescue	2
ELLW1170	Line Construction and Maintenance A	4
ELLW1172	Line Construction and Maintenance B	4
ELLW1175	System Protection	2
ELLW1180	Underground Cable and Fault Locating	2
ELLW1185	Electrical Industry Search Skills	1
Total Credits		19

Additional Requirements

SPEE1020	Interpersonal Communication	3
ENGL1150	Composition I	3
	General Education (MnTC Goal 3 or 4)	3
	General Education Electives**	6
Total Credits		15

TOTAL PROGRAM REQUIREMENTS 60

** Select General Education electives from any MnTC goal area.

ELECTRICAL LINEMAN - DIPLOMA

This is a sample course sequence.

Please contact your program advisor regarding your academic plans.

July Start

ELLW1110	Distribution I	4
ELLW1120	Utility Equipment and Tools	2
Total Credits		6

First Year - Fall Semester

ELLW1130	Basic Electricity	2
ELLW1140	Distribution IIA	4
ELLW1141	Distribution IIB	4
ELLW1145	Rope and Rigging	2
ELLW1150	Construction Planning and Practices	2
ELLW1155	Equipment Operations	2
ELLW1160	Transformers I	4
Total Credits		20

First Year - Spring Semester

ELLW1162	Transformers II	4
ELLW1165	Pole Top and Bucket Rescue	2
ELLW1170	Line Construction and Maintenance A	4
ELLW1172	Line Construction and Maintenance B	4
ELLW1175	System Protection	2
ELLW1180	Underground Cable and Fault Locating	2
ELLW1185	Electrical Industry Search Skills	1
Total Credits		19

TOTAL PROGRAM REQUIREMENTS 45



DAKOTA COUNTY
TECHNICAL COLLEGE

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2017-2018 CATALOG