

# CONSTRUCTION & MANUFACTURING

## ELECTRICAL LINEWORKER

**Delivery:** Daytime Classes

**Start:** July, Full-Time

**AWARDS**

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**

See latest data at [careerwise.minnstate.edu](http://careerwise.minnstate.edu).

- Average Wage: \$46.21/hour
- Top Earners: \$63.16/hour

**ADDITIONAL INFORMATION**

Scan the QR code for more program information and specific program costs; some courses may have additional lab or instructional fees.

An Unrestricted Class A Commercial Driver's License (CDL) is required to graduate from this program and is incorporated into ELLW1155.



**ELECTRICAL LINEWORKER**  
 A.A.S. DEGREE

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

**July Start\* 6 cr**

ELLW1110	Distribution I.....	4
ELLW1120	Utility Equipment and Tools.....	2

**First Year - Fall Semester 20 cr**

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

**First Year - Spring Semester 19 cr**

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

**Additional Requirements 15 cr**

COMS1020	Interpersonal Communication.....	3
ENGL1150	Composition I.....	3
	General Elective (MnTC Goal 3 <b>or</b> 4).....	3
	General Electives (any MnTC area).....	6

**TOTAL PROGRAM REQUIREMENTS 60**

*\* Program Prerequisite: Students must pass ELLW0098 Introduction to Climbing before taking any other ELLW courses. This course is offered every summer in July.*

# ELECTRICAL LINeworkER DIPLOMA

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

**July Start\* 6 cr**

ELLW1110	Distribution I . . . . .	4
ELLW1120	Utility Equipment and Tools. . . . .	2

**First Year - Fall Semester 20 cr**

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

**First Year - Spring Semester 19 cr**

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 PROGRAM REQUIREMENTS 45**

*\* Program Prerequisite: Students must pass ELLW0098 Introduction to Climbing before taking any other ELLW courses. This course is offered every summer in July.*



**DAKOTA COUNTY**  
**TECHNICAL COLLEGE**

A member of Minnesota State

DCTC.EDU • 2023-2024 CATALOG



**DCTC IS AN AFFIRMATIVE ACTION, EQUAL OPPORTUNITY EMPLOYER/EDUCATOR.**

This information is available in an alternate format by calling 651-423-8469 or TTY/Minnesota Relay at 1-800-627-3529.