




# LINEWORKER (ELECTRICAL)

Take Your Career to New Heights as a Lineworker

 Lineworkers install and repair cables, wires, and other critical transmission and distribution equipment that power homes, businesses, hospitals, schools, and more. Prospective students should be prepared for the physical demands of entry-level technician positions, which can include lifting 50+ pounds and working in confined spaces or at heights. A doctor's examination, drug screen, and eye examination for CDL permit is required after acceptance into this program.



## Enhance Your Career:

- Become a skilled apprentice lineworker
- Earn an Associate of Applied Science Degree in Lineworker (Electrical)
- Complete a Certificate in Lineworker (Electrical)
- Earn a Class A Commercial Driver's License (CDL)



## About the Program:

- 60 students are enrolled each year in June
- Study at a 20-acre outdoor climbing facility with indoor classrooms
- Gain hands-on skills and knowledge in electrical distribution and transmission
- Practice overhead and underground line construction techniques
- Operate a digger derrick truck, set and climb poles, install anchors, string conductors, and more



## About the Industry:

- Job outlook indicates an 8% growth each year through 2026
- Median annual pay of \$68,000
- Employment opportunities available with rural electric cooperatives, municipal and private utility companies, private contractors, and others
- Line work is extremely challenging as the type of projects, conditions, and work locations change frequently



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Are you looking for an in-demand career that plays an important role in our energy infrastructure? BSC's National Energy Center of Excellence is a world leader in energy education and training for the energy industry. The Lineworker program, the only one of its kind in North Dakota, is designed to train skilled apprentice lineworkers at a facility northwest of Mandan. Students receive intense instruction in all facets of power line construction, equipment operation and maintenance, and state-of-the-art technology. Study includes classroom, indoor and outdoor lab work, and courses to prepare for the state commercial driver's license (CDL) exam.

### Discover additional programs at:

[bismarckstate.edu/energy/programs/](http://bismarckstate.edu/energy/programs/)

- BAS in Energy Management
- Electric Power Technology
- Electrical Transmission Systems Technology
- Energy Services & Renewable Technician
- Instrumentation & Control Technology
- Mechanical Maintenance Technology
- Nuclear Power Technology
- Petroleum Production Technology
- Power Plant Technology
- Process Plant Technology
- Water & Wastewater Technology



### CORE CLASSES

- LNWK 100** Introduction to Climbing Techniques
- LNWK 110** Equipment Operations
- LNWK 104** Introduction to Truck Driving Techniques
- LNWK 125** Applied Electrical Distribution I
- LNWK 130** Applied Electrical Distribution II
- LNWK 140** Electrical Distribution
- LNWK 150** Basic Electricity D.C. and A.C.
- LNWK 210** Fundamentals of Electrical Distribution I
- LNWK 220** Fundamentals of Electrical Distribution II
- LNWK 230** Electrical Distribution
- LNWK 240** Electrical Apparatus and Transformers
- LNWK 260** Rope and Rigging

### CDL Truck Driving Requirements

- LNWK 108** Truck Driving Simulator Training
- LNWK 113** Truck Driving Techniques

Bismarck State College has been a leading provider of energy education for more than 45 years. With a dozen degree and certificate offerings in a variety of energy-related programs, the college prepares graduates with the skills and education they need for successful, life-long career opportunities in the industry.

Learn more at [bismarckstate.edu/energy](http://bismarckstate.edu/energy) • [bsc.energy@bismarckstate.edu](mailto:bsc.energy@bismarckstate.edu) • 701.224.5651 or 800.852.5685.