

## **HANDS-ON SUMMER SCHOOL LINeworker AND ELECTRICIANS PROGRAM**

Who: Students who will be in grades 10, 11 and 12 in the fall of 2024  
What: Summer School hands on lab-based electronics / electrical program  
Where: Bismarck State College Campus, Bismarck, ND  
When: June 09, 2024 (check in at BSC) to June 14, 2024 (check out at BSC)  
Instructors: Current and former Bismarck Public School electronics teachers and Bismarck State College Lineworker Staff  
Class size: Limited to 20 students  
Housing: Swensen Hall on the Bismarck State College Campus  
Food Service: Bismarck State College food services  
Chaperoned: 24 hours  
Student Cost: Travel to and from Bismarck

¼ to ½ elective high school credit via Bismarck Public Schools Career Academy  
All hands-on instruction  
OSHA 10-hour safety certification  
WSI insurance

Course topics:

Using the math that you already know.

AC / DC Theory

Circuit Design, Pole Climbing, Powerline Fabrication, Equipment Simulators, Rigging, Safety, Troubleshooting, Component Identification, etc.

Working with: oscilloscopes, function generators, multi meters, impedance meters, AC/DC power supplies, power line apparatus, transformers, connections, substation and switchyard functions, line fuses, oil circuit reclosers, etc.

### **FULLY FUNDED SCHOLARSHIPS**

- Class is open to all students, from any state, currently enrolled in high school.
- Fully funded for housing, food service, 24-hour chaperon, etc., plus a job shadow experience, if available, when student returns home.
- We welcome parents or sponsors to spend time in Bismarck observing class activities and participating in the electronics labs.
- Students will be insured via WSI, will have OSHA 10 safety certification.