PROGRAM OUTCOMES

Electrical Maintenance and Construction

Upon completion of the Hibbing Community College Electrical Maintenance and Construction program, the graduate will be able to:

1. Perform work safely to industry standards including OSHA and 70E standards.
2. Meet the MN Department of Labor and Industry requirements, including maintaining a 95% attendance of all classes.
3. Perform all work to NEC standards and requirements.
4. Apply practical applications to AC and DC theory and circuits. Perform all work to NEC standards and requirements.
5. Install, maintain, and troubleshoot residential, commercial, and industrial electrical systems and equipment.
6. Install, maintain, and troubleshoot motor and motor control systems, including PLC’s, VFD’s, hard-wired, and human machine interface.
7. Demonstrate knowledge of the installation and troubleshooting of renewable energy systems, including NABCEP entry-level task analysis.
8. Demonstrate knowledge of, install, and configure power limited circuits and systems, including fundamentals of instrumentation.