

ELECTRICAL LINE WORKER TECHNOLOGY

ASSOCIATE OF APPLIED SCIENCE (AAS) - 68 CREDITS

About this program

The Electrical Line Worker Technology program provides trained personnel for the power industry. Coursework provides both theory and practical hands-on experience in all phases of power line construction and maintenance. Coursework includes electrical math, national electrical safety codes, construction of overhead and underground distribution systems, conductor applications, over-voltage and over-current protection, guying and pole grounding. The 90-acre training field located near the Wadena campus provides a site for hands-on experience in pole setting. The successful graduate is eligible for employment in rural electric and municipal utilities or with private contractors.

Program outcomes

1. Install electrical structures.
2. Interpret trade specifications and drawings.
3. Install single and multiphase overhead and underground distribution systems.
4. Demonstrate competent climbing abilities.
5. Demonstrate aerial rescue procedures.
6. Demonstrate professional safety practices, including certification in first aid and CPR.
7. Install fusing, lightning protection devices, transformers and related electrical equipment.
8. Interpret and apply the National Electric Safety Code.
9. Demonstrate professionalism and related soft skills.

Curriculum overview

Crds	Requirement type
	Total

Developmental courses note: A student may be required to enroll in developmental courses in reading, writing and math. A student's scores on the Accuplacer assessment will determine enrollment in developmental courses. The purpose of developmental courses is to prepare students for the demands of a college-level curriculum. *Credits may vary.*

Accreditation: Minnesota State Community and Technical College is accredited by the Higher Learning Commission, a regional accreditation agency recognized by the U.S. Department of Education. The Higher Learning Commission 230 South LaSalle Street, Suite 7-500 Chicago, IL 60604-1411 <http://www.ncahigherlearningcommission.org> Phone: 312.263.0456 / 800.621.7440

Curriculum requirement details

Required courses

Other requirements or restricted electives



Course summaries



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Program Plan — ""

Locations:

