

ELECTRICAL TECHNOLOGY - ELECTRICIAN

DIPLOMA - 74 CREDITS

About this program

This diploma program is designed to prepare the student to build, install, maintain and repair electrical systems that provide heat, light or power for residential, commercial and industrial structures. Courses provide students with a mix of theory and hands-on application in classroom and lab settings and at job sites. This comprehensive program includes maintenance of electrical equipment, wiring methods, blueprint reading, material selection, programmable controllers and National Electric Code.

Program outcomes

1. Exhibit safety practices and procedures.
2. Interpret the National Electrical Code.
3. Apply principles necessary to install and control electrical systems in residential, commercial and industrial buildings.
4. Calculate electrical quantities.
5. Interpret blueprints.
6. Demonstrate professionalism and related soft skills.
7. Interpret electrical schematic and wiring diagrams.

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:

