

SURVEY TECHNICIAN CERTIFICATE - 23 CREDITS

About this program

This certificate program provides the student with a basic study of civil engineering surveying, including survey equipment setup and training, surveying principles and an introduction to civil engineering survey practices and uses. The Survey Technician program includes knowledge and training in property and land surveys, construction project design, field training in level surveys, total station and global positioning equipment, and road design and construction principles. This program is only offered on the Moorhead campus.

Program outcomes

1. Prepare civil, construction and survey drawings utilizing CADD software.
2. Select and implement appropriate survey techniques and procedures.
3. Demonstrate computer utilization skills for design and graphical communication.
4. Produce construction site, legal and topographical surveys.
5. Effectively utilize graphical communication skills using diverse forms of 2D and 3D modeling software.
6. Document processes and procedures for site and building layout designs.
7. Understand and properly utilize basic hardware (input, output and storage) components and software (operating and application) used in the Windows and internet environment for effective business communications.
8. Read and interpret land survey and construction site plans, and make calculations and appropriate numerical revisions to site or building working drawings and blueprints.

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:

