



2023 ANNUAL CONVENTION & SEMINAR

Technician Training and Development Panel Discussion

February 22, 2023 2:30 PM

GRAND TRAVERSE RESORT AND SPA
ACME, MI
LEGAL | ETHICS | TECHNICAL TRAINING



Northwestern Michigan College



Northwestern Michigan College - *Who are we?*

Northwestern Michigan College is a publicly funded community college that serves people, organizations and businesses.



We **serve** more than **50,000 learners annually** throughout the Grand Traverse region and State of Michigan.



Professional Services for the Marine, Surveying & Unmanned Aerial Industries



The Leica Geosystem
International School of Surveying



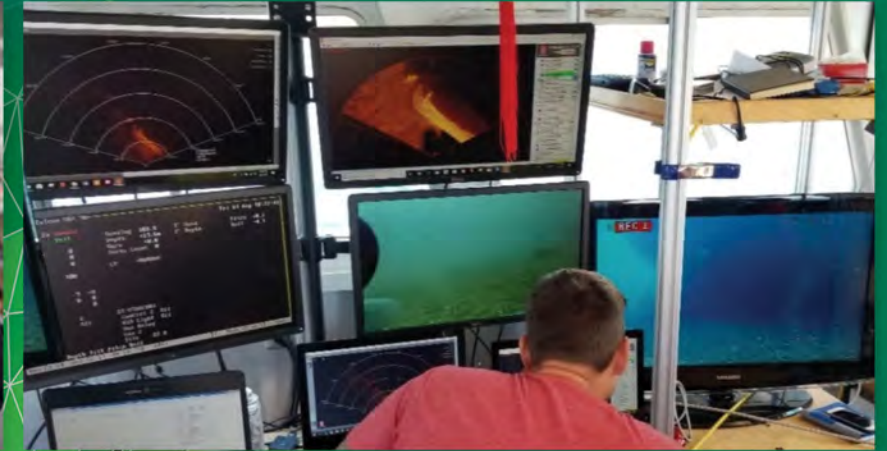


Northwestern Michigan College - *Who are we?*



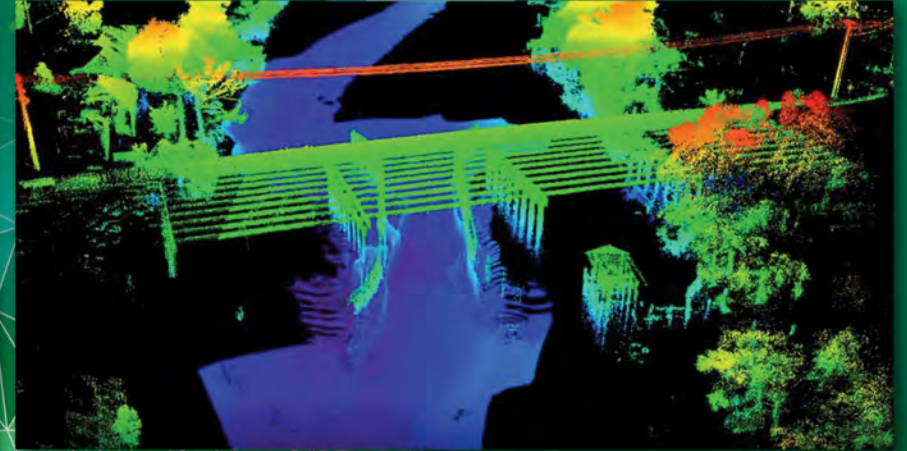
VISION:

National leader in academic, professional development, and technical services in the marine, freshwater, and geospatial environment



Northwestern Michigan College - *Survey Technology*

- > Academic Programs
- > Professional Development Courses
- > Technical Training
- > Micro-credentials



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Leica
Geosystems

Academic Programs - *Survey Technology*



SURVEY TECHNOLOGY Associates Degree

- > 2-year technical program
- > Transfer agreements
 - > Michigan Tech
 - > University of Maine
- > Multi-disciplined curriculum
- > Focus on workforce readiness



COURSE LIST

- > Fundamentals of Surveying
- > CAD for Surveying
- > Construction Survey App
- > Surveying Calculations
- > Surveying Positioning
- > Boundary Surveying
- > Great Lakes Research Technologies
- > UAS Applications in Surveying
- > Remote Sensing and Sensors



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Professional Development - *Survey Technology*

PROGRAM AREAS

- > Survey Technologies
- > Marine Infrastructure
- > Data Processing & Integration
- > Unmanned systems

Leica
Geosystems KONGSBERG

 **Michigan Tech**
GLOBAL CAMPUS

 **Northwestern
Michigan College**



COURSES

SURVEY TECHNOLOGY

Professional Development Course Offerings

Acoustic Principles Fundamental to Operating Sonar Systems

GNSS Surveying Theory and Techniques

High Definition Scanning

Marine Inspection Technologies and Applications

 **The
Marine Center**
Northwestern Michigan College

CONTACT US: marinecenter@nmc.edu
nmc.edu/marine-center | 231.995.2500



Survey Technician Training Program

PROGRAM OVERVIEW

This survey technician training program is intended to provide the fundamental skills required to become a survey technician and is designed to provide an overview of the technologies and their applications used by the survey and civil engineering industry.

TECHNICAL TRAINING PROGRAM

- > Fundamental skills development
- > 80 hours of instruction
- > Application focused
- > Academic on-ramp
- > Tuition cost covered

**5-WEEK
PROGRAM**
Begins
MARCH 2023

Completion
APRIL 2023

LOCATIONS

Traverse City, Michigan
Madison Heights, Michigan



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CORE SKILL SETS

Participants will receive by completion of the program:

- > Survey credential (NMC)
- > Job readiness training
- > OSHA safety
- > Construction site orientation
- > Construction drawings
- > Surveying basics
- > Survey methods
- > Equipment identification
- > Interpreting maps and contour lines

PROGRAM REQUIREMENTS

18 years or older

High school or GED

Interest in a high-wage, rewarding career



Leica
Geosystems

For more information - Contact us

ACADEMIC PROGRAMS

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PROFESSIONAL DEVELOPMENT

Ed Bailey

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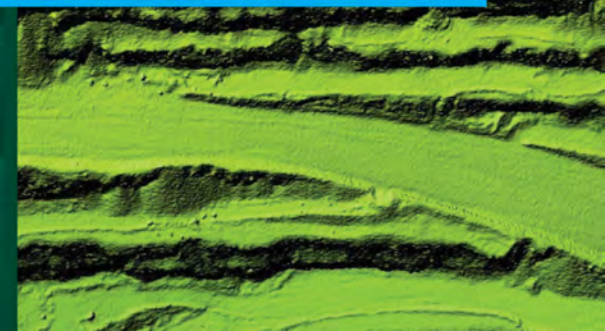
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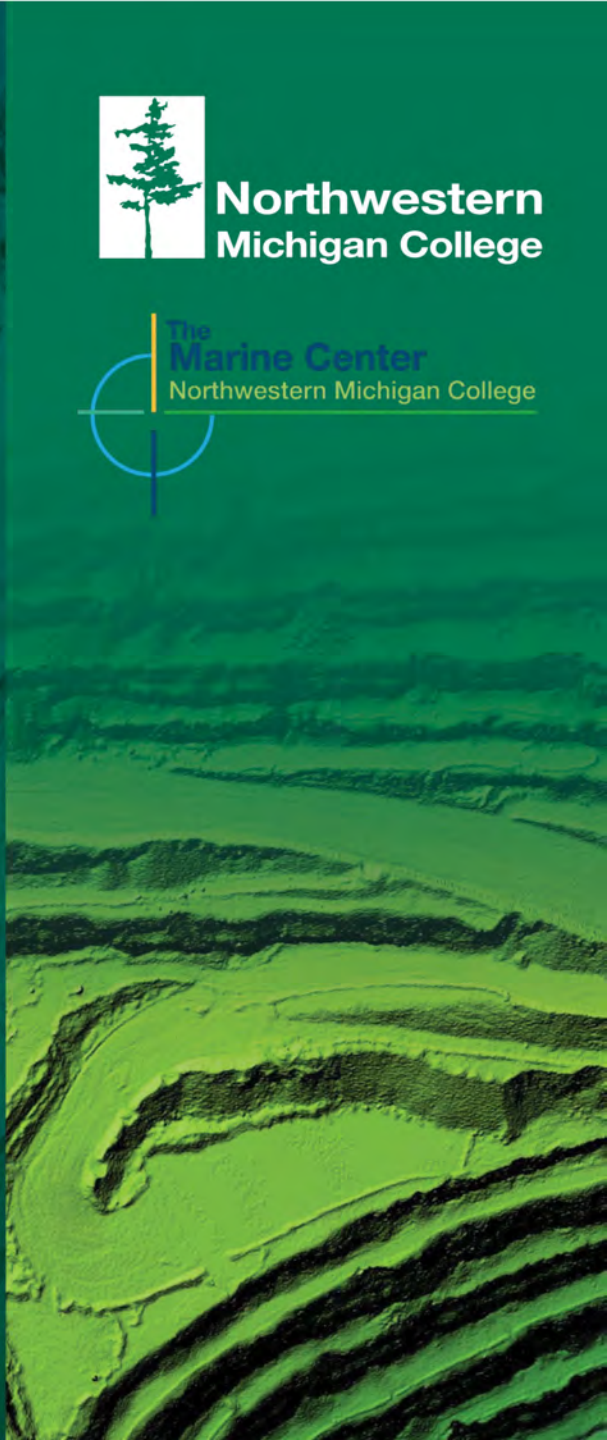




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