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 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
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
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
Professional Development - Survey Technology

PROGRAM AREAS

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

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

CONTACT US: marinecenter@nmc.edu
nmc.edu/marine-center | 231.995.2500
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
Beins MARCH 2023
Completion APRIL 2023

CORE SKILL SETS
Participants will receive by completion of the program:
> Survey credential (NMC)
> Job readiness training
> OHSA 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

LOCATIONS
Traverse City, Michigan
Madison Heights, Michigan
ACADEMIC PROGRAMS
Ryan Deering
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PROFESSIONAL DEVELOPMENT
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