Through partnerships, Northland and SCSU are advancing Technician Education parallel to cuting-edge industry developments. Industry partners are relying on the expertise of Northland and SCSU in drone and geospatial technologies. These engagements allow educational institutions to work with industry partners first-hand on applying the technology and developing an understanding of how technicians will use this information in the field. Lessons learned are driven back into the classroom, educator workshops, and youth camp activities.

## ADVANCING TECHNICIAN EDUCATION PARALLEL TO INDUSTRY DEVELOPMENTS

- **NSF ATE Project Partnerships**
  - -Developing workflow and user guides for BWSR; DNR; City of Warren
- **Workforce Skills Analysis**
  - -Creating training courses for Firefighters and Law Enforcement
- **Integrating with Industry**
  - -Developed DACUM for Geospatial Intelligence Specialist in cooperation with GeoTech utilizing industry input

NATIONWIDE COLLABORATION

- **Educational Pathways Development**
  - -Established 2+2 articulations between Northland, SCSU and MSUM
- **Drone and Geospatial Technology Integration**
  - -Developed workflow and user guides for Forestry, Soil and Water Conservation and Agriculture
- **Course Developments**
  - -Created coursework in Small UAS Basic, GIT Interperability;
- **Certificate Developments**
  - -Created UAS and Geospatial Applications Certificate; sUAS Field Matinenance Technician Certificate; and UAS and Geospatial Analysis course added to SCSU curriculum
- **Interactive Distance Delivery Methods**
  - -Made Northland Imagery Analysis Certificate and Geospatial Intelligence Analysis degree available completely online

WORKSHOPS & CAMPS

- **Educator Professional Devlopment**
  - -Provided annual and online educator workshops for the 5 years
- **Youth Camps**
  - -Annual youth summer camps for 5 years
- **Specialized for Organizations**
  - -Provided seminars for Law Enforcement; Firefighters; and Educators
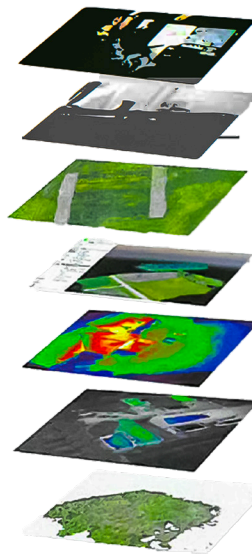
Technical Education

Advanced Degrees & Research

Agriculture

Survey & Mapping

Public Safety

Infrastructure

Environmental Services

LONG TERM CAREER SUCCESS!