

BOARD OF TRUSTEES

September 20, 2024

Program Overview / Student Experience and Opportunities



EXECUTIVE SUMMARY



Today's discussion provides an overview of the university's cybersecurity programs and the unique education, experiences, and opportunities that students are provided.

- Program Overview
- Student Experience
- Career Opportunities
- Workforce Development



PROGRAM OVERVIEW







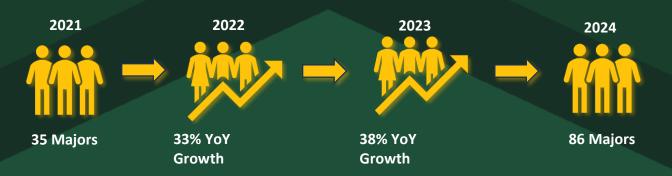
NMU IS A NATIONAL CENTER OF ACADEMIC EXCELLENCE IN CYBERSECURITY







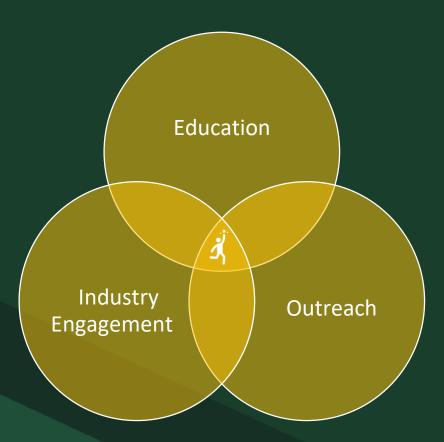
SUSTAINED ENROLLMENT GROWTH



STUDENT EXPERIENCE



- Student-Centered Approach
- Hands-On Learning Experience
- Conferences, Competitions, and Field Trips
- Internship and Apprenticeships
- Industry-recognized Certification and Training
- Strategic Partnerships with Industry and Government
- The Upper Peninsula Cybersecurity Institute



NORTHERN STRIKE



- Northern Strike is an extensive joint military exercise in Michigan. Over 6,000 National Guard, Active-Duty, and NATO troops converged on Camp Grayling, the Nation's largest National Guard Base.
- NMU IA/CD students and Latvian cybersecurity troops, a NATO ally, participated in the exercise's cybersecurity mission.
- NMU's participation is the first time a collaboration with higher education has occurred at the Northern Strike Exercise.
- This is the first time in Northern Strike history that cybersecurity was used to increase battlefield capability and intelligence.
- Student Reflection: Jef Leroux & Rebecca Tatun



NMU IA/CD STUDENTS BEING READ IN ON MISSION

CAREER OPPORTUNITIES

Executive Summary Program Overview Student Experience Northern Strike Opportunities Workforce Development

- Strong Industry Advisory Committee and Network
 - Three academic partnerships have resulted in companies locating practices in Marquette. Each partner provides unique paid internship opportunities to students while they are in school and the potential for full-time employment after graduation.
 - Northcross Group Governance, Compliance, Risk
 - OccamSec Penetration Testing
 - Pillr Security Operations Center
 - Alumnus Reflection Sarah Hagle



WORKFORCE DEVELOPMENT



- Ongoing Cybersecurity Workforce Demand and the Talent Pipeline Gap A National Concern
 - Open cybersecurity positions have remained above 500,000 since 2018.
 - NMU's Upper Peninsula Cybersecurity Institute is recognized as a state leader in cybersecurity workforce development and outreach through its innovative training, programs, and events.
 - K-12 Outreach
 - Industry Engagement
 - Community Events















Questions

Thank You