MICHIGAN TECHNOLOGICAL UNIVERSITY
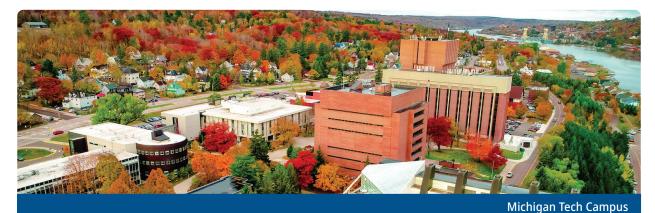

Michigan Tech Campus

Michigan Technological University has developed a national and international reputation in cybersecurity education, research, and outreach activities. The founding of Michigan Tech's College of Computing in 2019—the first and only college of its kind in Michigan—has elevated the visibility of the university and its cybersecurity degree programs to better meet the market demand for computing education and research.

Michigan Tech and the College of Computing are dedicated to offering high-quality cybersecurity research and education programs, supporting interdisciplinary activities, assisting in the development and sharing of resources, and building a strong cybersecurity workforce for government, industry, and academia. The college offers bachelor's and master's degrees in cybersecurity, plus a popular undergraduate minor in cybersecurity.

DESIGNATIONS

• CAE-Cyber Defense

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These programs strategically build on industry curriculum guidelines and standards, including ACM Cybersecurity Curricular Guidelines, ABET Accreditation Criteria for Cybersecurity Programs, National Centers of Academic Excellence in Cyber Defense (CAE-CD), and National Initiative for Cybersecurity Education (NICE) Framework.

Outside the classroom, Michigan Tech has a long history of cybersecurity outreach and extracurricular activities for audiences of all ages. Examples include the MTU RedTeam, GenCyber summer camps, MTU Summer Youth Programs (SYP), and the CyberHusky competition team. A registered student organization, the MTU RedTeam participates regularly in National Cyber League (NCL) competitions. In spring 2021 the students achieved an NCL breakthrough, placing third among over 900 teams from across the United States; and the team continues to excel. The RedTeam promotes a security-driven mindset and provides a community for those wishing to learn more about cybersecurity.

Michigan Tech's GenCyber and SYP cybersecurity training programs have reached over three hundred K-12 teachers and students since 2019. And, coached by Michigan Tech faculty and students, the CyberHusky team of local middle and high school students captured 1st place in Michigan's middle school category in the national 2021 CyberPatriot competition. Michigan Tech faculty make exceptional contributions to cybersecurity scholarship and research, recently publishing over thirty peer-reviewed cybersecurity papers and securing more than $5M of external funding for cybersecurity education, research, and outreach.