MICHIGAN TECHNOLOGICAL UNIVERSITY

Michigan Tech

Michigan Tech Campus During Autumn

Michigan Technological University has developed a national and international reputation in cybersecurity education, research, and outreach. Committed to excellence, Michigan Tech strives to provide top-tier cybersecurity research and education. The university fosters interdisciplinary activities, assists in resource development and sharing, and is focused on building a strong cybersecurity workforce to meet the needs of the nation.

Michigan Tech provides a comprehensive suite of cybersecurity degree programs, including bachelor's and master's degrees in cybersecurity, as well as an undergraduate minor and a graduate certificate. With more than thirty cybersecurity courses spread across multiple departments and colleges, Michigan Tech's cybersecurity curricula are strategically designed to align with industry standards and academic guidelines, including the ACM curriculum guidelines, the ABET accreditation criteria, the NCAE-CD designation requirements, and the NICE Framework. Faculty members at Michigan Tech are at the forefront of cybersecurity research and scholarship, making significant contributions to the field.

In the past few years, they have published over 140 high-quality research papers on cybersecurity and have secured more than $5 million in external funding for cybersecurity research and education. One of the notable achievements was the CyberCorps: Scholarship for Service Program funded by NSF in 2021. This grant is designed to nurture the next generation cybersecurity professionals for U.S. government agencies.

Michigan Tech also boasts a rich tradition of engaging in outreach and extracurricular activities aimed at a diverse audience. The RedTeam, a student-driven organization, has consistently achieved top rankings in the National Cyber League (NCL) competition and numerous CTF contents.

In the 2021 NCL competition, they distinguished themselves by securing third place among 900 teams nationwide. For K-12 outreach, Michigan Tech has organized six GenCyber camps and numerous summer youth camps since 2019, impacting over 800 educators and students. The CyberHusky team, comprising middle and high school students, has ranked in the state top ten at multiple cyber competitions such as CyberPatriot.

DESIGNATIONS
• CAE-Cyber Defense   • CAE-Research

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