



# CEDARVILLE CYBER TEAM

CENTER FOR THE ADVANCEMENT OF CYBERSECURITY

Involvement Information Sheet

## CYBER COMPETITIONS

- **Collegiate Cyber Defense Competition (CCDC)**



An 8-person “live-fire” cyber defense team competition. Teams defend an enterprise network of Linux and Windows distributions, IoT devices, and firewalls from professional red team hackers. Network services are hardened while also responding to business style inquiries. Cedarville won the state of Ohio and placed 4<sup>th</sup> in regionals. Join for a chance to go even further!

- **National Cyber League (NCL)**



With both an individual game and a team round, NCL is a great way to get started with cyber. You will learn new skills useful in class while preparing you for the CCDC. NCL is more of an offensive focused skill wheel with sections in Enumeration and Exploitation, Reverse Engineering, Cryptography, Open-Source Intelligence, Password Cracking, and more!

- **Hack the Port (HTP22)**



In the spring semester of 2022, 5 seniors traveled to Ft. Lauderdale Florida for a MISI and NSA sponsored competition to test maritime port security and hack industrial control systems. Placing in 7<sup>th</sup> place, the competition required a highly offensive cyber skillset focused on employing malware, phishing emails, supply chain attacks, Metasploit, PLCs, and more. Opportunities like this are always coming up!

- **Hivestorm**



A 4-person cyber defense competition like the CCDC but beginner focused with a simpler point system providing immediate feedback about fixed and missed security vulnerabilities. The collegiate version of CyberPatriot, teams must patch virtual machines each worth 100 points. The more vulnerabilities mitigated means more points.

- **NSA Codebreaker**



An annual exercise by the NSA drawing on programming, reverse engineering, open-source intelligence, and other cyber tools to practice cryptanalysis on complex codes. Codebreaker is a fun challenge and great intro into all things cyber via the NSA!

## OTHER INVOLVEMENT

- **Women in Cybersecurity Chapter (WiCyS)**



Dedicated to bringing talented women together to celebrate and foster their passion and drive for cybersecurity. Unites women cybersecurity professionals across the world to collaborate, share their knowledge, network, and mentor through professional development programs, conferences, career fairs, and more.

- **Cyber Awareness Events**



The Cyber Team facilitates most of the cyber awareness events on campus, including cyber-themed movie nights, campus scavenger hunts and challenges, a Cyber Speaker Series with talks from industry professionals, and various cyber seminars. We are always looking for the best to create new ideas and plan great events!

- **CyberPatriot Mentoring**



We play an active role in mentoring local CyberPatriot teams at Cedar Cliff and Clark County Technical Career Center. CyberPatriot is a youth cyber-defense competition identical to Hivestorm. Some of our current team members participated in this program during middle and high school. Ministering to the students is a fun way to serve and share the joy of Christ with the local community. If you want to play a part in helping young cyber patriots, we would love to have you!

Visit [cyber.cedarville.edu](http://cyber.cedarville.edu) for more information and some training resources!

