



OHIO CYBER RANGE INSTITUTE

UNLOCKING POTENTIAL,
SECURING THE FUTURE

POWERED BY
UNIVERSITY OF CINCINNATI

Integrating resources

to close the cybersecurity skills gap.

Building a future

with a strong workforce pipeline.

Strengthening the economy

and Ohio's security.

OCRI at a Glance

ohiocyberrangeinstitute.org

OCRI - Advancing Ohio's Cybersecurity Skills

The Ohio Cyber Range (OCRI) is a state funded entity developed in partnership with the Adjutant General, ODHE and UC. The Ohio Cyber Range is the only state cyber range using the DoD methodology for OpFOR vs BlueFOR for training and validation exercises.

The OCRI is a center housed at the University of Cincinnati, the administrative arm of the entire Ohio cybersecurity ecosystem. The Cyber Range offers the broadest array of content spanning Workforce Development, Education, Exercises, Research and Training, beyond the typical offering of most cyber ranges.

OCRI Engagement

The goal of the OCRI is to facilitate the advancement of cybersecurity education, workforce, and economic development throughout Ohio. Leveraging an ecosystem of significant intellectual power and institutional capacity, OCRI develops and delivers original, high quality educational material, exercises, and training to Ohio citizens regardless of age, educational background, or experience in cyber research.

OCRI Supports

- Creating and Sharing of Curriculum
- Certification Training
- Workforce Development Training
- Cyber Contests – e.g., Capture the Flag Contests (CTF)
- Testing of Networks, Applications, Systems Hardware
- Cyber Readiness Exercises (for the Ohio Cyber Reserve)
- Work-Based Learning Programs (for professional organizations)
- Research

OCRI Education

Using a train the trainer approach, the OCRI empowers educators to offer cybersecurity classes and exercises and develop their own without the barriers of hosting or purchasing labs.

Teachers can access and deliver cybersecurity educational content from the most prestigious cybersecurity oriented educational institutions in Ohio and hold virtual classes or exercises for free, to students of all levels from K12, to higher education, and to adult workers looking to add to their skill base.

Ohio's Regional Programming Centers (RPC's)

The OCRI approach to improving Ohio's cybersecurity is a collaborative ecosystem of 19 Regional Programming



Centers that includes 25 educational and non-profit organizations. The goal of the ecosystem is to improve Ohio's cybersecurity education, workforce, and economic development through training, exercises and events. Leading educators and thought leaders create and share materials so that instructors across the state can use the Institute's centralized cyber library and the Cyber Range for classes, events, and training exercises with hands-on immersive experiences in a safe, and secure virtual environment.

Ohio's Regional Programming Centers

- Bowling Green State University
- Cedarville University
- Cin-Day Cyber at SOCHE
- Cleveland State/Case Western IoT Collaborative
- Cuyahoga Community College
- Kent State University
- Lorain County Community College
- Miami University
- Ohio State University
- Ohio University
- Owens Community College
- PAST Foundation
- Rio Grande Community College
- Shawnee State University
- Stark State College
- Tiffin University & Findlay Partners
- University of Akron
- University of Cincinnati
- University of Dayton