Ohio Cyber Range Institute

University of Cincinnati
Digital Futures - Secure Lab
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ohiocyberrangeinstitute.com

Capability Statement

Close the cybersecurity skills gap, build a strong workforce pipeline, and strengthen the economy and security of Ohio

Regional Programming Centers

- Cedarville University
- CinDay Cyber at SOCHE
- Cuyahoga Community College
- Eastern Gateway Community College
- Cleveland State University/Case Western University-IotC
- Lorain County Community College
- Tiffin University, University of Findlay, Findlay City Schools and CentraComm
- Ohio University
- Owens Community College
- PAST Foundation
- Rio Grande Community College
- Shawnee State University
- Stark State College
- The Ohio State University
- The University of Akron
- The University of Dayton
- University of Cincinnati

What Makes OCR Unique

The Ohio Cyber Range 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 Cyber Range offers the broadest array of content spanning Workforce Development, Education, Exercises, Research and Training, beyond the typical offering of most cyber ranges.

Mission

Facilitate the advancement of cybersecurity education, workforce, and economic development throughout the state of 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.

Approach

The OCRI ecosystem is a collaborative effort of 17 Regional Programming Centers made up of 25 educational and non-profit organizations. The primary focus is improving cybersecurity education, workforce, and economic development in Ohio. 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 virtual, safe, and secure virtual environment.

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 Cyber Range Institute and Ohio Cyber Range

The OCRI, a center hosted at UC, is the administrative arm of the entire cybersecurity ecosystem with the OCR being a shared virtual resource and set of tools serving the greater Ohio community.

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