



Security in Operational Technology & Distributed Energy Resources: Tools & Applications

No Cost Cybersecurity Training

6 Hours. Instructor-Led

This course equips participants with knowledge to identify vulnerabilities in energy systems and implement defenses against attacks.

This National Cybersecurity Preparedness Consortium (NCPC) training course is developed and delivered by the University of Memphis.

Course Description

This course forms the backbone of modern critical infrastructure, connecting industrial systems and energy networks to digital and data-driven environments. As these systems become more interconnected, their exposure to cybersecurity threats continues to grow.

Through hands-on lab activities and applied exercises, participants are introduced to the architecture, functions and cybersecurity challenges of OT and DER systems. Learners analyze vulnerabilities, attack vectors and regulatory frameworks while exploring emerging technologies, such as Artificial Intelligence (AI)-driven threat detection, blockchain security and 5G integration.

In addition to providing examples of cybersecurity best practices and data privacy regulations, course objectives include:

- demonstrating comprehensive ability to assess, detect, defend against and ensure compliance for

For further information on how to register, call 901.678.4271 or contact:

CfIA - University of Memphis
cfla@memphis.edu

Date & Location

1.30.26 | 9 a.m. - 4 p.m.
The University of Memphis
FedEx Institute of Technology
(FIT) Building Fishbowl
(Room 203/205)

cybersecurity risks in Operational Technology (OT) and Distributed Energy Resources (DER) systems, and

- applying hands-on techniques and regulatory frameworks to maintain critical infrastructure resilience.

Target Audience

Technical and non-technical personnel in key roles, including cybersecurity and information technology professionals, leadership, and organizational decision makers, SLTT emergency responders and end users.

Prerequisites

There are no prerequisites for this course.

Required

In addition to having a computer with internet connection and an up-to-date web browser, students need to obtain a 10 digit ID to register from <https://cdp.dhs.gov/FEMASID>.

For more information about cybersecurity training through the NCPC, visit NationalCPC.org



All NCPC courses are certified and funded by the DHS Federal Emergency Management Agency.