Texas A&M Engineering Extension Service

National Emergency Response and Recovery Training Center®

CYBERSECURITY RESILIENCY IN INDUSTRIAL CONTROL SYSTEMS

PER-398

DHS/FEMA-funded course

FEMA

Texas A&M Engineering TEEX Extension Service

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The Cybersecurity Resiliency in Industrial Control Systems course is designed to enhance understanding of the critical nature of Industrial Control System environments and the associated risks, threats, and defenses within an organization, business, or government entity. This course will introduce the convergence of physical security with cybersecurity, supervisory control and data acquisition (SCADA), and Industrial Control Systems security, increase awareness of the Internet of Things and Industrial Control Systems, and examine the threat landscape within Industrial Control Systems. Cyber threat mitigation techniques will be examined as well as methods of identifying cyber attacks and vulnerabilities. Tools to respond to and recover from cyber attacks on Industrial Control Systems will be addressed.

Topics

- Internet of Things and Industrial Control Systems Review
- Threat Landscape
- Mitigating Threats
- Detecting Vulnerabilities and Attacks
- Responding to and Recovering from Attacks

Prerequisites

None

Recommended

- AWR402 Introduction to Internet of Things

FEMA / SID Number

Students must register and bring a copy of their SID number to class. Register online: **cdp.dhs.gov/femasid**

Course Length

One Day (8 hours)

Venue

Jurisdiction

Class Size

Minimum 25 Participants

CE Credits

IACET – 0.8 CEUs

Participants

- State, local, regional, tribal, and territorial government officials
- Owners and operators of businesses and non-profits
- Community members and other individuals interested in developing a greater understanding of developing cybersecurity resiliency in ICS
- Control operators and their supervisors, risk management, and others involved in the operation of ICS/SCADA systems

For more information, contact:
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