Critical Infrastructure Security Training Programs for Industry Professionals and University Students
(Sponsored by the Texas Workforce Commission’s Wagner-Peyser Grant)

Comprehensive and Hands-on training for interested employed and unemployed workforce for a resilient, cyber-physical system (CPS) in Critical Infrastructure facilities. Adaptive programs offered based on participant’s qualifications. Only participants willing to commit the entire course will be accepted.

80 Seats Available (10 per session date)

Education and Experience
- Community college/4 Year College in the areas of Electrical and Water Distribution, Power Generation, Renewables, and IT or GED. Students will be counselled to the appropriate program offerings, based on their backgrounds.

Minimum Qualifications
- Basic understanding of networking, IT, Energy and Utility Operations, and Windows
- Must meet Texas Workforce Commission eligibility requirements as follows:
  - be fourteen (14) years of age or older;
  - be a United States (U.S.) citizen or a noncitizen authorized to work in the U.S. (F1 students with SSN are eligible);
  - if male, be in compliance with the United States Selective Service System registration requirements.

Course Offerings
- Computer Networking for Industrial Control Systems with hardware devices connected in Critical Infrastructure facilities.
- EXata CPS Network Simulator: Different Cyber-Attack scenarios training.
- Epic Groov Programmable Edge Controller: SCADA, Cybersecurity structures and cyber attacks
- Virtual Labs: Cyber Challenge Range, Pentesting and Understanding Vulnerabilities, Cybersecurity Attack and Defend, CompTIA CySA+.

Course Delivery
- Distance modules will be made available on a learning management system. Students are expected to complete the online modules before the hands-on training.
- Followed by Two-day hands-on training at Reese Technology Center, Lubbock, TX in Summer 2022:
  
  Session 1: June 17 & 18  
  Session 2: June 24 & 25  
  Session 3: July 15 & 16  
  Session 4: July 22 & 23  
  Session 5: July 29 & 30  
  Session 6: August 12 & 13  
  Session 7: August 19 & 20  
  Session 8: August 26 & 27

Training Outcomes
- Trainees will earn CEUs issued by Texas Tech University.
- Trainees earning CEUs will be better prepared in cyber-physical security aspects in the Critical Infrastructure Sector.
- Trainees will be engaged with several industry partners

Address:
National Wind Institute, Reese Technology Center
1103 Fillmore Dr.,
Lubbock, TX 79416

If interested please contact Manohar Chamana (m.chamana@ttu.edu) or Argenis Bilbao (argenis.bilbao@ttu.edu) or Tracie Mcclaran (Tracie.Mcclaran@ttu.edu) with Texas Tech University

Pre-Registration Link: https://forms.gle/Dn66HDkbLcw55MDL8