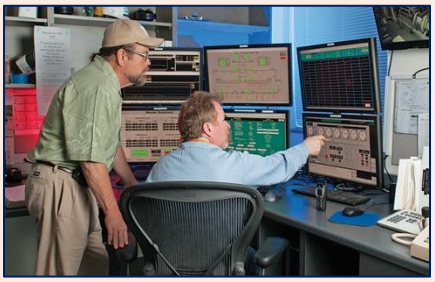

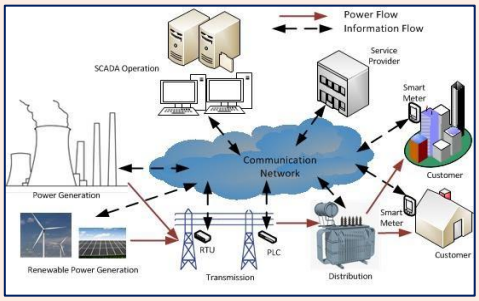

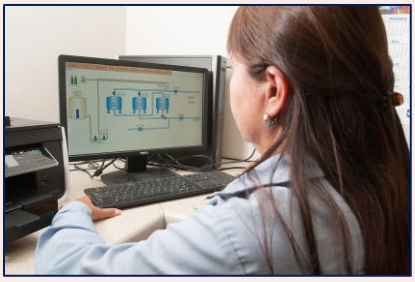

Cyber-physical Security Training for Critical Infrastructures

(*Sponsored by the Regional Alliances and Multistakeholder Partnerships to Stimulate (RAMPS) Cybersecurity Education and Workforce Development Program*)

25-hour online/ in-person intensive training for students and industry professionals interested in cyber-physical system (CPS) for critical infrastructure

Training programs offered based on participant's skill level

*****6 Available Cohorts – 20 Seats Per Cohort*****

Education and/or Professional Experience

- Background in Computer Science/ Electrical and Computer Engineering/Renewable/Wind Energy/ Industrial Engineering/ Mechanical Engineering/ Data Science.

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.

if male, must comply with the United States Selective Service System registration.

Course Outcomes

- Participants learn and acquire skills to defend and protect **ICS/SCADA-based** critical systems from cyber threats.
- Participants become certified as ***SCADA Security Architect (CSSA)***.

Available Cohorts (scan registration QR code for detail)

*****2024/2025*****	Cohort 4: Aug. – Oct.
Cohort 1: Nov. – Jan.	*****2025/2026*****
Cohort 2: Feb. – Apr.	Cohort 5: Nov. – Jan.
Cohort 3: May. – Jul.	Cohort 6: Feb. – Apr.

Training Modules Offered

- **Online Module:** *Skill Path 1*- ICS/SCADA Security Fundamentals; *Skill Path 2*- ICS/SCADA Security Analyst; *Skill Paths 1&2*- SCADA Cyber Range
- **In-person Module:** Real Cyber-physical Testbeds including *EXata CPS, OPAL-RT, SEL Relays, Microgrid/ ICS/ SCADA Systems*.

Course Delivery Mode

- Online Training Leading to Professional Certification.
- In-person Hands-On Training Leading to CEU Certification.

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Farmers Electric Cooperative

APEX Clean Energy

West Texas A&M University

The University of Texas Permian Basin College of Engineering

If interested, please contact the following Texas Tech University resources:
Manohar Chamana (m.chamana@ttu.edu) or
Argenis Bilbao (argenis.bilbao@ttu.edu) or

Address: Reese Technology Center, 9801 Reese Blvd., Suite 200 Lubbock, TX 79416
Program Webpage link: Program page