



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 1: Nov. – Jan.

Cohort 2: Feb. – Apr.

Cohort 3: May. – Aug.

Cohort 4: Sep. – Nov.

*****2025/2026*****

Cohort 5: Nov. – Jan.

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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TEXAS TECH UNIVERSITY
National Wind Institute



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
Website link: <https://forms.gle/sb17iSu4ZtoengQ27>