

## 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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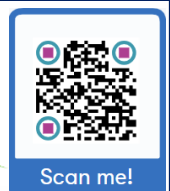
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THE UNIVERSITY OF TEXAS  
PERMIAN BASIN  
COLLEGE OF ENGINEERING

If interested, please contact the following Texas Tech University resources:

**Manohar Chamana** ([m.chamana@ttu.edu](mailto:m.chamana@ttu.edu)) or

**Argenis Bilbao** ([argenis.bilbao@ttu.edu](mailto:argenis.bilbao@ttu.edu)) or

**Address:** Reese Technology Center, 9801 Reese Blvd., Suite 200 Lubbock, TX 79416

**Program Webpage link:** [Program page](#)