



# STORM Cyber

Career Development Program



Tobi West, PhD  
Coastline College  
Garden Grove  
April 2025

The background of the slide features a light blue sky with white rain falling vertically. In the top left corner, there is a white cloud containing the year '2025'. In the top right corner, there are three smaller white clouds. The bottom of the slide is decorated with stylized green hills and bushes. A large, semi-transparent watermark reading 'CAE Community Symposium' is oriented diagonally across the center of the slide.

# STORM Cyber Career Development Program

STORM Cybersecurity Career Development Program is designed to introduce students to the fundamentals of cybersecurity research in a hands-on and accessible manner. Participants collaborate with peers and mentors to explore real-world cybersecurity challenges, such as network vulnerabilities, social engineering, or ethical hacking.

The program emphasizes foundational research skills, including data collection, analysis, and technical report writing, while fostering critical thinking and problem-solving abilities. Students have the opportunity to work on projects that address local or global cybersecurity issues, preparing them for advanced studies or entry-level careers in the field.



# AGENDA

**01**

## OVERVIEW

STORM Cyber

**02**

## EXPECTATIONS

2025 + Jan 2026

**03**

## WORKSHOPS

HTB, Research,  
Career Prep

**04**

## NEXT COHORT

Fall 2025





# 01

## OVERVIEW

STORM Cyber



# **Immersive Cybersecurity Workforce Development Program to Prepare Current and Future Workforce in Critical Infrastructure**

University of New Haven  
Tennessee Technological University  
University of Hawaii, Maui College  
Coastline College  
University of North Texas





# STORM Cyber

Security | Technology | Operations |  
Research | Monitoring

# Cybersecurity Career Development



## **COURSES**

5 online courses  
Spring, Summer, Fall  
Asynchronous



## **RESEARCH**

Workshops on Zoom  
5-page paper  
Poster session in-person  
\$1,000 stipend



## **CERTIFICATION EXAMS**

ISC2 CC  
Network+ | Server+ | Security+



## **TEXTBOOKS**

E-book subscription

# TWO COHORTS



## COHORT 1 Winter 2025

20 students  
19 remaining



## COHORT 2 Fall 2025

15-20 students will be  
accepted



Target = 30 students to complete in 2 years





# 2025 CAE Community

## 02

### EXPECTATIONS

To Infinity and Beyond!



mposium

# RESEARCH & COURSEWORK

01

## Spring '25

CYBR C101  
CIS C157  
Research Draft

02

## Summer '25

IT C128  
Network+ Exam  
Research Paper

03

## Fall '25

IT C158  
Server+ Exam  
CYBR C230  
Security+ Exam  
Poster Prep

04

## Winter '26

Poster Session  
Regional  
Research  
Symposium

14 month program commitment

# GUIDELINES

## ACADEMIC

- Complete within 14 months
- Education Plan
- Enroll in Courses as Assigned
- Take Certification Exams

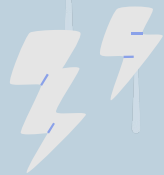
## RESEARCH & HTB

- Attend assigned workshops
- Research Draft
- Final Paper
- Poster & Poster Session
- HTB - CDSA Exam





# 2025 CAE Community Symposium



## 03 WORKSHOPS

Prepare for your future in cybersecurity





# HACK THE BOX

- Online platform for hands-on cybersecurity skills
- Prep for Certified Defense Security Analyst exam
- Understand key principles of cyber operations
- Learn offensive and defensive cybersecurity techniques
- Explore real-world hacking scenarios hands-on
- Practice ethical hacking with simulated environments
- 17 Modules
- Take CDSA exam by Jan 2026





# WORKSHOPS

## Hack The Box

Tuesdays @ 6pm  
Prof Barrios

## Research

Tuesdays @ 6pm  
Dr. Zentner &  
Dr. West

## Career Prep

Tuesdays @ 6pm  
Dr. West &  
Prof Barrios

### Required

Optional

## Cyber Competitions

Mondays @ 6pm  
Mike Crawford

## Xploit Student Club

Wednesdays @ 6pm  
Dr. Brown &  
Prof Barrios

Tuesday workshops are required for STORM Cyber students



# 04

## NEXT COHORT

Join STORM Cyber

A dramatic coastal scene featuring a black sand beach in the foreground, a rocky cliff with a stone retaining wall in the middle ground, and a stormy sky with multiple bright lightning bolts. The ocean is visible on the right side of the frame. A semi-transparent light blue banner is positioned at the top, containing the text "Next cohort begins Fall 2025!".

**Next cohort begins Fall 2025!**





# Questions

Now's a great time to ask!





# THANKS!

**Tobi West, PhD**  
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**Cyber Center Director**

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