

ORTSOC - the Nation's First
Cybersecurity Teaching Hospital™

ORTSOC: A CLINICAL ROTATIONS APPROACH TO PROFESSIONAL CYBERSECURITY EDUCATION

2025 CAE in Cybersecurity
Symposium - Charleston, SC



Oregon State
University

ABOUT ORTSOC

2025 CAE Community Symposium



ORTSOC by the numbers

118,000,000,000

EVENTS COLLECTED BY ORTSOC
SENSORS

397

SECURITY EVENTS ANALYZED BY
ORTSOC STUDENTS

8

UNIQUE SECURITY INCIDENTS
RESOLVED BY ORTSOC STUDENTS

17,000+

HOURS OF INSTRUCTION*

*(based on number of hours per student spent in practicum; includes hours through Spring Term 2024)

9 CORE, 2 AFFILIATED

ORTSOC FACULTY

394

STUDENTS ENROLLED IN NEW
CYBERSECURITY OPTION (SO FAR...)*

*Includes online and Corvallis Campus students. The option became available Fall 23.

55

STUDENTS

(42 UNDERGRADUATE, 13
GRADUATE)

\$6M

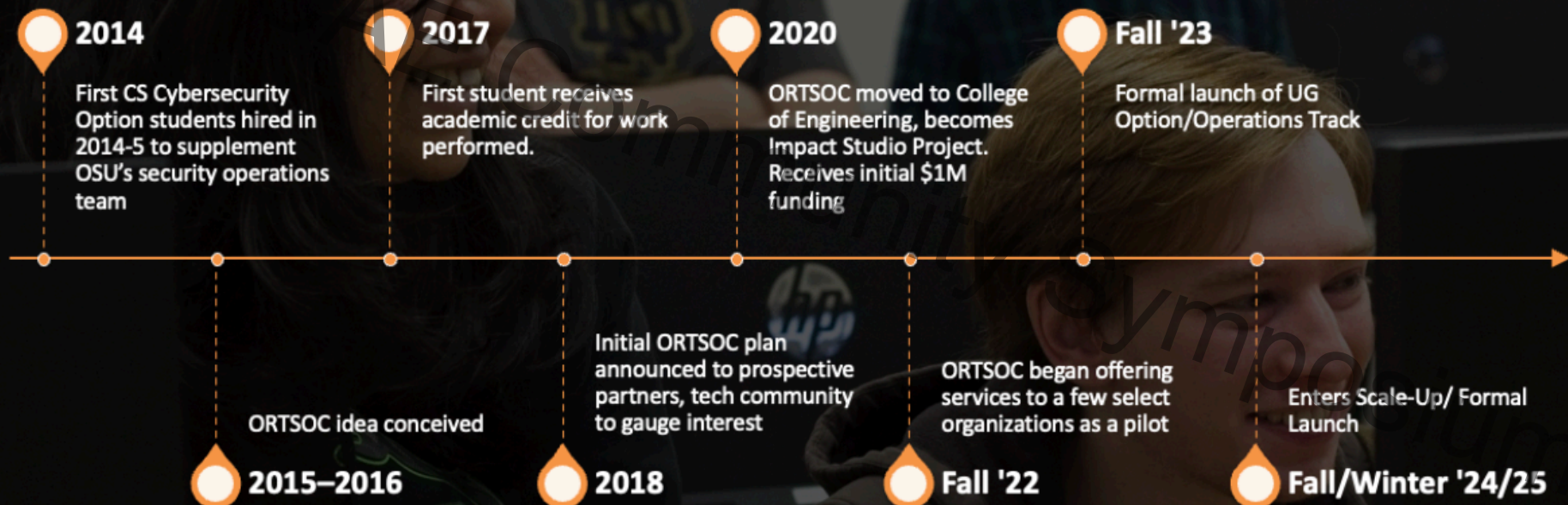
EXTERNAL FUNDING
RAISED

1ST

CYBERSECURITY TEACHING
HOSPITAL IN THE US

(AND POSSIBLY THE WORLD)

ORTSOC History



UNDERGRADUATE CURRICULUM

2025 CAE



Community Symposium

STUDENT FEEDBACK



"This is quite literally the best and most fun class I have had the pleasure of taking at OSU. Experiencing the environment of a security operations center firsthand is an incredibly effective way of teaching a wide range of skills that will help our future careers regardless of where we end up in the industry."

"This course offered great hands-on experience that even my friends in industry thought was amazing."

"A very hands-on class that allowed me to learn a TON more about IR and SOC operations."

"Hands-on learning has always been the best way for me to learn and that is what this class primarily is."

"The faculty and TAs are incredible and very fun to work with, and the amount of hard work and long hours that have gone into making this class a reality is nothing short of incredible..."

FACILITIES

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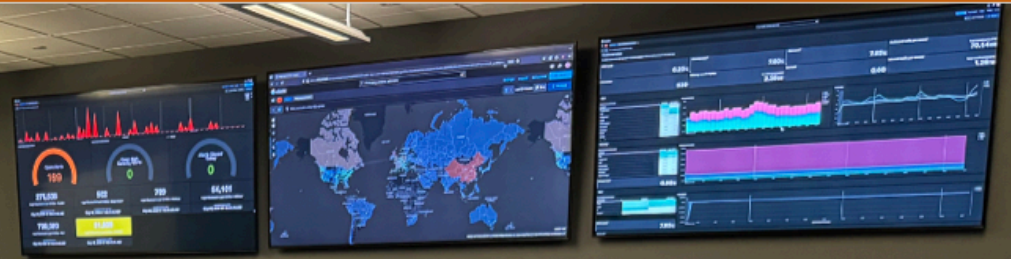
First Day of Classes, Fall 2024

Password Requirements

- > 14 characters
- 4 char classes
- 1 uppercase (A-Z)
- 1 lowercase (a-z)
- 1 number (0-9)
- 1 special char (!@#\$%^&*)

word of the day
Paranoid

DO NOT
update to
Ubuntu 24



CLIENTS

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CLIENT FEEDBACK

"The ORTSOC program provides us a knowledgeable and capable additional layer of security that is invaluable to our small jurisdiction. Having support from a regional partner, knowing someone is monitoring, and providing real-life experience to the future IT generation goes along with our jurisdiction's values. The ORTSOC partnership benefits everyone involved!"

Director of Information Services
Small City

"We really appreciate ORTSOC and being a part of this program. We serve a lot of economically disadvantaged youth in the schools we support and don't have the personnel or resources to properly monitor cyber security in our IT resources. We are very grateful for ORTSOC to fill this need. Dave and his team have been great to work with in rolling out their services and we hope to work with them for a long time to come."

Director of Technology
Rural Education Service District

"GHC is excited to partner with OSU and the ORTSOC. We see this as a win/win for OSU and GHC. Our partnership supports ongoing job embedded cybersecurity training for students at OSU. It allows students to get real world experience in a SOC environment while at the same time adding a layer of cybersecurity protection that helps GHC identify, detect, and respond to threats in a timely manner."

Chief Executive of Information Technology
Small College



FINANCIAL INFORMATION

2025 CAE Community Symposium

PEOPLE

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NEXT STEPS



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Questions?

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Thank-you!

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