

Addressing the critical need for experiential learning within cybersecurity education

Paul Wagner & Rob Honomichl

University of Arizona

2025 CAE Community Symposium

Introductions



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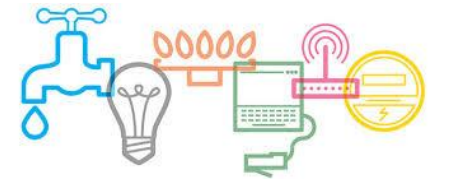
Cybersecurity Clinic

Clinic Models

- Coursework
- Campus Club
- Paid Opportunity

Services

- Security Awareness Training
- Risk Assessments
- Penetration Testing



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Cybersecurity Clinic

Micro-credential / Badge

- Risk Assessment Modules (4) – 12 hours
- Cyber Risk and Vulnerability Assessment and Document Review – 15 hours
- Research and Analysis – 10 hours
- Report and Presentation Preparation – 12 hours
- Report and Presentation Delivery – 1 hour



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Cybersecurity Clinic

Initial Results U of A

- 26 students
- 8 Clients (2 City, 3 non-profits, 3 SMB, 1 Energy Co*)
- Expansion – 2 Community Colleges, 1 University

Initial Results Chandler USD

- 2 High Schools
- ~100 started Google Cybersecurity Certificate
- 46 Clinic Participants
- 10 – 12 Internships at District
- Expansion in Year 2





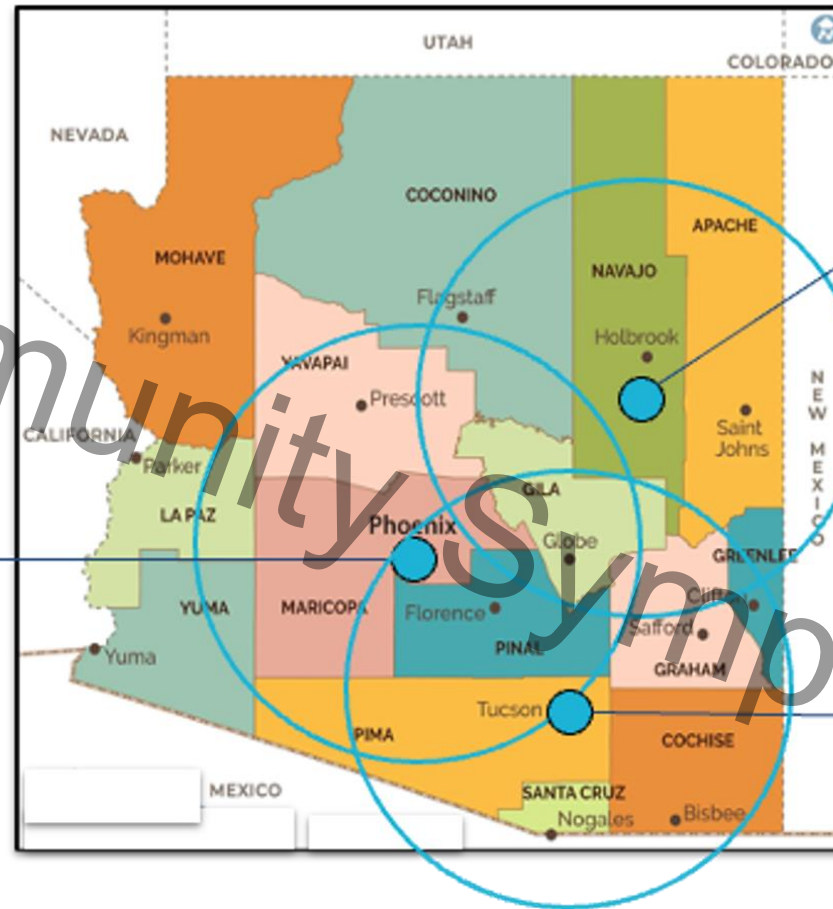
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Regional SOC

Student-led Regional Security Operations Centers

**Glendale
Community
College**
Central Region



**Northland
Pioneer**
North Region

**Pima
Community
College**
South Region

2025

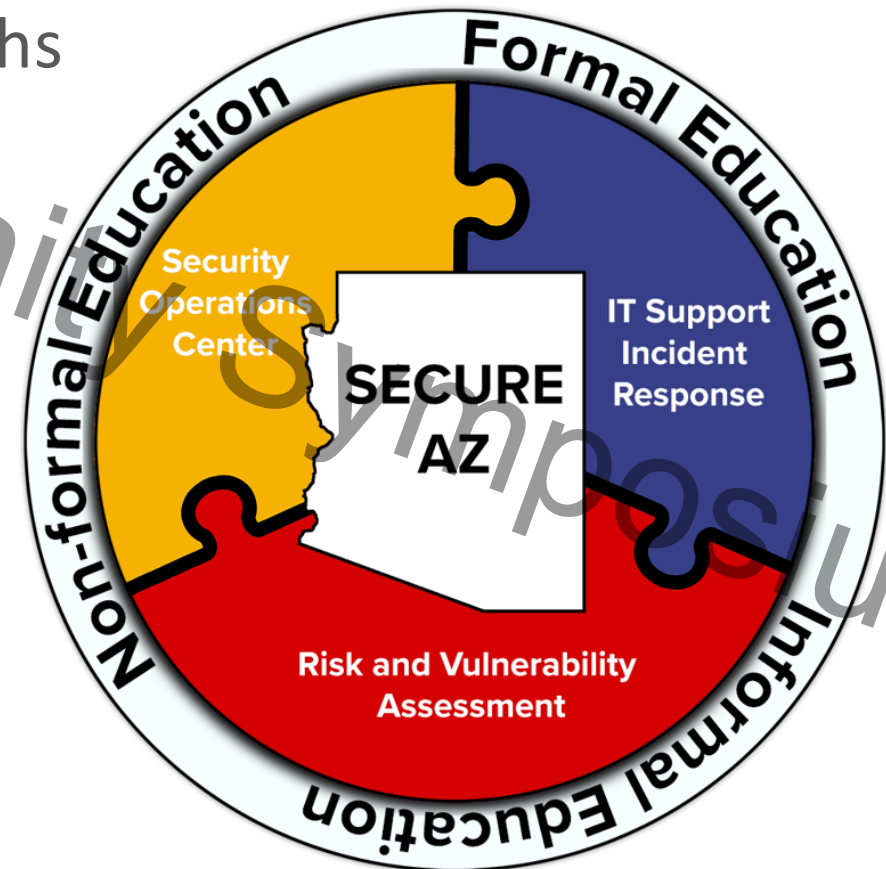
Regional Security Operations Center

Department of Homeland Security Initiative

- Pima Community College / U of A
 - 10 Students from both cybersecurity programs
 - SOC Site Lead UA student (Clinic / RSOC)
 - Pilot Began in March 2025
- Statewide Cyber Readiness Grant Resources
 - Multi-Factor Authentication (MFA) – Thales
 - Advanced Endpoint Protection (AEP) – Crowdstrike
 - Converged Endpoint Management (XEM) – Tanium
 - Web Application Firewall (WAF) – Cloudflare
 - Security Awareness Training (SAT) - Infosec IQ

- Arizona Cybersecurity Academy
- Expand Clinic Opportunities
- Skillbridge Veteran Training
- Internships / Externships / Apprenticeships
- Expand Training Paths

What's Next?





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Questions

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