



Cyber Security Workforce Development

BECOMING AMERICA'S CYBER CAPITOL

- 65 of 105 companies want PPCC grads
- Firms locate close to workforce
- Only the National Capitol Region has more NSA Centers of Excellence
- Location quotient is third highest in US



Degrees and Certificates

AAS Degrees

- *CIS*
- *Networking Technology*

Certificates

- *CCNA*
- *Cisco*
- *Cyber Security*
- *Database*
- *Network+*
- *Programming*
- *Security Essentials*

AS Degrees

- *Computer Science*

- 439 students in AAS programs for AY2017
(10% increase over prior year)
- 40-50 graduates annually
(138 certificates earned in AY17, up 50%)
- 21 Cyber Security students
- 78 students in Computer Science AY2017
(58% decrease over prior year- WHY?)

THE PROBLEM

- *Instruction lags industry in content and speed*
- *Instructors make more doing than teaching*
- *Labs are expensive and tools change regularly*
- *Cyber job functions broad and requirements a barrier to some potential students*

PPCC SOLUTION

- Non-Credit Training
- CAE2Y: *Center of Academic Excellence*
- Industry Partnerships:
 - Curriculum input
 - Instructors
 - Student work experience
 - Employee training
 - Lab support



NON-CREDIT TRAINING

Courses began October 2016 – 70 graduates

Certified Ethical Hacker: 20

Network+: 13

Security+: 37

A+ begins *September 19*



CAE2Y CERTIFICATION

- Application submittal January 2018
- Certification Fall 2018
- Cyber-savvy workforce
- AAS in Cyber Security
- New labs



ppcc.edu/cyber-defense-center

INDUSTRY PARTNERSHIPS

- Cyber Prep Internships and Support
- Apprenticeship Sessions
- Customized Workforce Training (\$100k)
- Expanded Advisory Board
- New Instructors
- Labor Market Survey
- Chamber and EDC Strategic Planning
- Catalyst Campus

HOW CAN YOU HELP?

- A+ Internships, Donations, Speakers
- Employer Engagement
 - ✓ Apprenticeships
 - ✓ Workforce Training
 - ✓ Labor Market Survey
- High School Program Support

For More Information

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