

# Many Hands Make an Online Guided Pathway in Cybersecurity

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CALIFORNIA COMMUNITY COLLEGES

# Panelists

- Erin Larson, Chancellor's Office, California Community Colleges
- Rita Levy, Chancellor's Office, California Community Colleges
- Dr. Jodie Steele, Fresno City College
- Valerie Karnes, Cerro Coso College



# Overview

- Purpose
- Background/Components
- Touches Six Programs
- Participating Colleges
- Cohort Model
- Course Sequence
- Parallel Paths
- Fresno City College Perspective
- Cerro Coso College Perspective



# Purpose

- To create a 100% online, multi-college collaborative, Information Technology Cybersecurity Certificate of Achievement, which uses Open Education Resources (OER) for a Zero Textbook Cost (ZTC) degree.
- A target population is to include a diverse base of high need students.
- The goal is to implement the program with the first enrolled cohort by Spring Term 2019.



# Background/Components

- Combines several initiatives and programs in an effort to coordinate resources, reduce duplication, and improve efficiencies, which will in turn promote student success and completion.



# Touches Six Programs

- Guided Pathways,
- Strategic Vision,
- Strong Workforce,
- Collaborative Programs,
- Open Education Resources (OER) and Zero Textbook Cost Degree Programs,
- Distance Education and California Virtual Campus (CVC) - Online Education Initiative (OEI) Programs.



# Collaborative Program

- *A collaborative program is one in which one or more colleges rely on another college or colleges to offer some of the coursework required for an approved degree or certificate. Collaborating colleges may either be in reasonable proximity to permit students to take classroom-based courses or the courses may be offered online through distance education local or shared platforms.*





# Guided Pathways

- Students will have the opportunity to take a set pattern of eight online courses in cybersecurity for 25 units, from four colleges, for a Certificate of Achievement.
- Using the Guided Pathways model, the Information Technology Cybersecurity Certificate supports the goal of program completion
- 35 weeks total time





# Open Education Resources (OER) Zero-Textbook Cost (ZTC) Program

- The Legislature intends for community college districts to develop and implement zero-textbook-cost degrees to reduce the overall cost of education for students and decrease the time it takes to complete degree programs.
- This program is a ZTC Program



# Strong Workforce Program

- Learning outcomes mapped to the National Cybersecurity Workforce Framework.
- Graduates are prepared for entry-level Cyber positions across industry and government, and have an opportunity to sit for nationally recognized certifications from Cisco and CompTIA.
- The certificate Program maps to the Customer Service and Technical Support job category so that employers know exactly what knowledge, skills, and abilities program graduates have attained.



# Distance Education

## California Virtual Campus (CVC) – Online Education Initiative (OEI)

- The CVC-OEI will provide support to the online cybersecurity collaborative through online instructional re-design of the eight courses, professional development for faculty teaching online, and the required “Quest for Success” student modules.



# Participating Colleges

College
Cosumnes River College
Fresno City College
Los Angeles Pierce College
Cerro Coso College



# Cohort Model



# Course Sequence



2 Courses  
7 Units  
8 weeks

2 courses  
6 units  
8 weeks

2 courses  
6 units  
8 weeks

2 courses  
6 units  
8 weeks



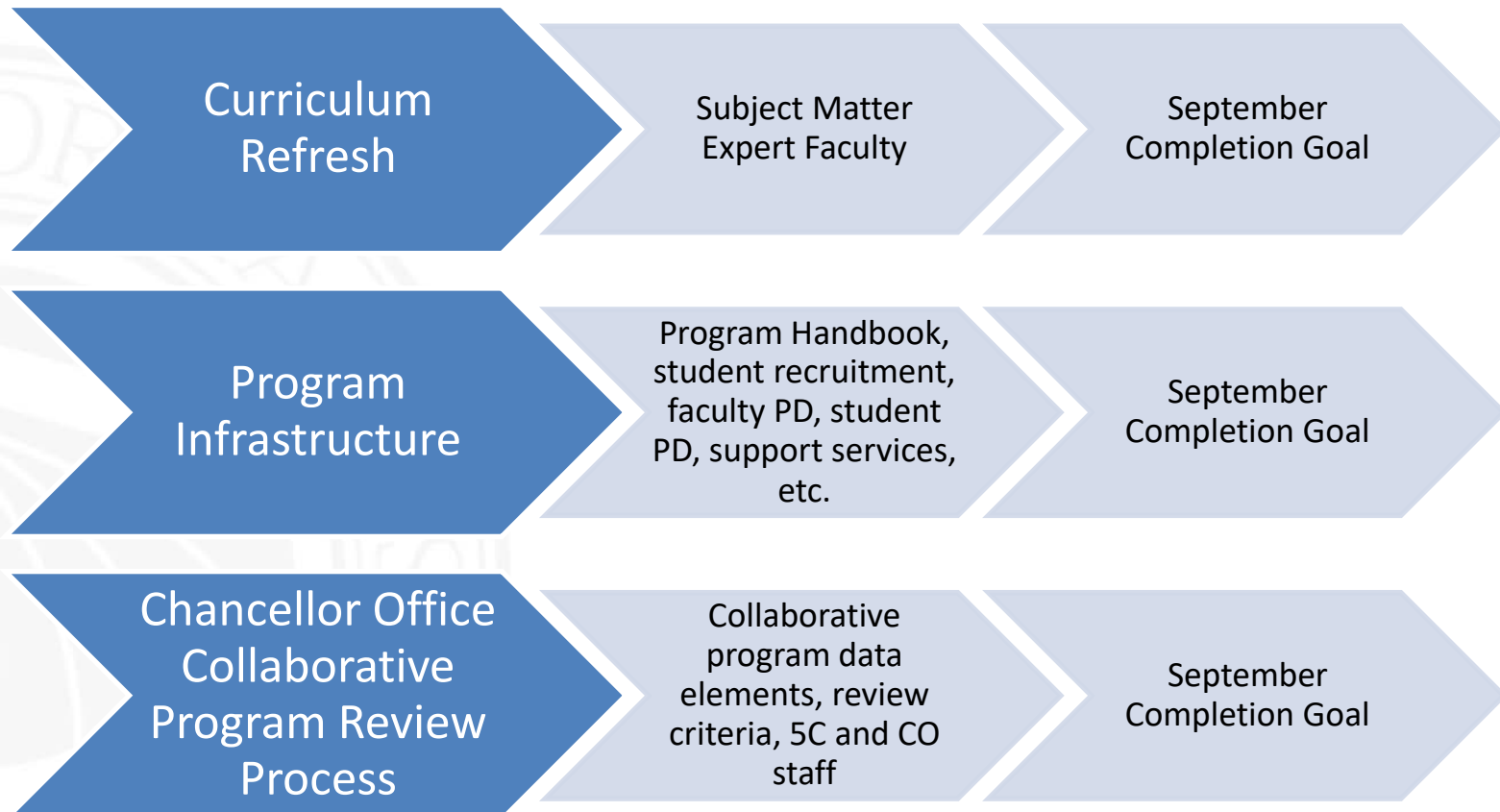
# Program Overview

- 8 courses
- 8 weeks with 1 week breaks in between for a total of 35 weeks
- 25 units total certificate
- Each college would teach specific courses and receive the FTES for the courses they teach
- Students would enroll in, and complete, the program in a cohort model
- Each college contributes a minimum of 10 students to the cohort
- Each college receives credit for their students in the cohort who complete the program
- Roles and responsibilities would be defined by a Memorandum of Understanding (MOU)





# Parallel Paths



# Fresno City College

- Dr. Jodie Steele
- The college perspective to the collaborative
- Impact of students in the Fresno community



# Cerro Coso College

- Professor Valerie Karnes
- The college perspective to the collaborative
- Impact of students in the Cerro Coso community



# Questions?

