# Cybersecurity *for Executives*

A PROFESSIONAL DEVELOPMENT PROGRAM AT **CALIFORNIA STATE UNIVERSITY, CHICO**

**CYBERSECURITY** *FOR EXECUTIVES*, offered by Regional & Continuing Education at CSU, Chico, was created to address the growing concern of cybercrime. Cybersecurity is no longer solely the realm of the Chief Information Officer. Protecting your company's information requires executive commitment and that of other non-technical departments. Today's executives need to be knowledgeable about the language and frameworks of cybersecurity. In our online program, you will learn from our cybersecurity experts, innovators, and regulators how to address cybersecurity from a business point of view and develop a culture of cybersecurity at your organization.



*Online Programs Now Open*

## An Accelerated Path to a Secure Cyber Culture

During the Cybersecurity for Executives Program, we will address best practices, methodologies, and frameworks for managing cybersecurity organizational risks. Our program, led by industry and government experts, will provide presentations, case studies, and interactive discussions related to overall corporate awareness of cybersecurity and creating a secure cyber culture. Specific areas of focus will include the evolution of cybersecurity, new cyber government regulations, risk mitigation, the latest in cyber strategies, and cyber from a legal point of view. Through eight comprehensive lessons, learn the skills necessary to lead your organization's cybersecurity initiatives.

**Through this program, you'll gain:**

- Frameworks to measure cyber readiness and keep your organization secure
- An understanding of the business realities of cybersecurity
- The latest research regarding cyber regulation
- How to develop a corporate culture of cybersecurity
- Cyber insurance and risk mitigation strategies
- The latest thinking regarding privacy concerns
- How to develop a cyber budget and set performance metrics
- Cost-effective ways to protect your infrastructure

## Distinguish Yourself as a Leader

Your Cybersecurity for Executives Certificate of Completion from Regional & Continuing Education at CSU, Chico proves that you have completed all program modules. You'll walk away with confidence and a professional Cybersecurity Portfolio.



REGIONAL & CONTINUING EDUCATION
**Cybersecurity Certification**
AT **CSU, CHICO**

# Program Curriculum

This program addresses the issues that matter most, covering high stakes security topics identified by top CISO's as the ones that keep security professionals up at night. Our training curriculum outlines learning objectives, topics to cover, and exercises to help your comprehension and keep your organization safe from cybersecurity attacks.

### Module 1 ~ Fundamentals of Cybersecurity & Current Standards

Discover the foundation of cybersecurity by identifying the structural components of cyberspace, it's basic architecture, and the essentials of identifying and managing risk.

- Understand the basic terms, trends, frameworks, and general risks of cybersecurity.
- Establish important countermeasures and incident planning guidelines.
- Learn how CMMC benefits everyone from basic to advanced.

### Module 2 ~ Cyber Laws, Regulations & More

Focus on the laws, privacy systems and regulations that govern operations within the U.S. and other nations, and the regulatory model that should be implemented to protect an operation from cyber-attacks.

- Understand the basic terms, trends, frameworks, and general risks of cybersecurity.
- Establish important countermeasures and incident planning guidelines.
- Learn how CMMC benefits everyone from basic to advanced.

### Module 3 ~ Deep Dive into NYSDFS & GDPR

Examine the difference between NYSDFS 500, GDPR, and other regulations being introduced throughout the world, and how NYSDFS has implemented regulations mimicking GDPR standards.

- Learn the 6 requirements of the NYSDFS regulation.
- Discover the key principles of the GDPR and importance of compliance.

### Module 4 ~ Cyber Risk Vectors

Uncover the essential components of risk assessment and mitigation policy when you survey the vulnerabilities essential to cyberspace and explore the methods and resources to exploit those vulnerabilities through attack chains or vectors.

- Learn to characterize the system: process, function, application.
- Identify threat, expose inherit risk and impact, and develop a plan of action.
- Discover ways to analyze and control the environment.

### Module 5 ~ Significant Cyber Incidents

Explore the most common threats from cyber attacks to detect and repair deficiencies and develop a foundation to understand risk vectors and regulatory awareness.

- Learn how a cyber virus can breed rapidly with a lethal result.
- Discover how to see through the harmless disguise of a Trojan horse.
- Decode the fraudulent claims behind spam and phishing.
- Identify the 3 main types of Denial of Services.
- Examine the best practices to avoid unauthorized access.

### Module 6 ~ Digital Breach Response

Develop three important protection plans for incident response and learn how the recovery time objective (RTO) is vital in the aftermath of a disaster.

- Understand incident response goals: minimize damage, protect data, recover quickly.
- Discover the 5 elements of business impact analysis.
- Identify the steps needed for business continuity and disaster recovery planning.

### Module 7 ~ Cyber Privacy and On-Premise, Cloud, and Virtual Response Management

Understand the differing strategies of successful deployment for technical solutions and determine the regulatory requirements for data privacy and security.

- Identify the difference between privacy and security.
- Develop a defense strategy by comparing cloud and virtual deployments to on-premises models.
- Examine the three main cloud computing models: PaaS, IaaS, SaaS.

### Module 8 ~ Cyber Strategy & Defense

Discover the fundamental principles of cyber defense, and how to develop and implement a strategy to ensure your operation is secure and protected.

- Learn how to determine what is needs to be protected.
- Uncover the difference between risk appetite and risk tolerance.
- Identify the tools needed to establish a disaster recovery plan.

**Trena Compton,** *Program Manager*
trena@execed.csuchico.edu | 916-243-0020

# Faculty

The CSU, Chico leadership team sets us apart. Our distinguished faculty is comprised of industry leaders, professionals, and educational experts.

### PAUL SZYARTO, FACULTY CHAIR
*Founder, PS Group Holdings*

Paul is the founder of PS Group Holdings and is directly involved with over 400 enterprise-wide projects throughout the world, focusing on ERP, PPM, and integration solutions. He focuses on helping with implementation of data management solutions and has been part of more than 60 SAP deployments over a six year period.

### MURPHY BRIGHT

Murphy is a Founding Partner for A2E Advisors where he helps companies develop their sales, marketing and investment strategies as a managerial consultant. He spent 12 years as a U.S. Marine and served as a Foreign Security Advisor where he embedded with small elite teams to advise, assist, and enable foreign militaries.

### KEVIN CALDWELL

Kevin is an Operating Partner for A2E Advisors with clients including startup, seed and turnaround opportunities that leverage data for growth. Prior to A2E, he was with JPMorgan Chase, assisting in debt financing for middle market companies across the Midwest, and applied cyber threat solutions to minimize data exposure.

### KURT KUMAR

As an IT Infrastructure/Software Transformation Specialist, Kurt has an ability to bring custom applications to life. He's known to rapidly create and procure cloud/on-prem environments in conjunction with deployment of prototypes. In 2015, he founded CallDoctor, an app allowing users to video chat with their doctor and pay for services.

### RICK PARIMI

Rick is the Founder and Chief Enterprise Architect of Alexis Networks with a vision to be world's most customer centric AI and ML software solution provider. When he was with IBM, he authored software patents. He has also led software innovation, technology development, and developed technology solutions worth millions.

### AMANDA WILD

Amanda is directly involved with leading cyber initiatives in the defense industry during complex regulation changes. She's an expert in cyber team solutions, and contracts on large scalable orchestration and cyber analytics platforms. She's also responsible for ideation, inception, market feasibility, and market release of dozens of technology products.

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## Join Our Online Program
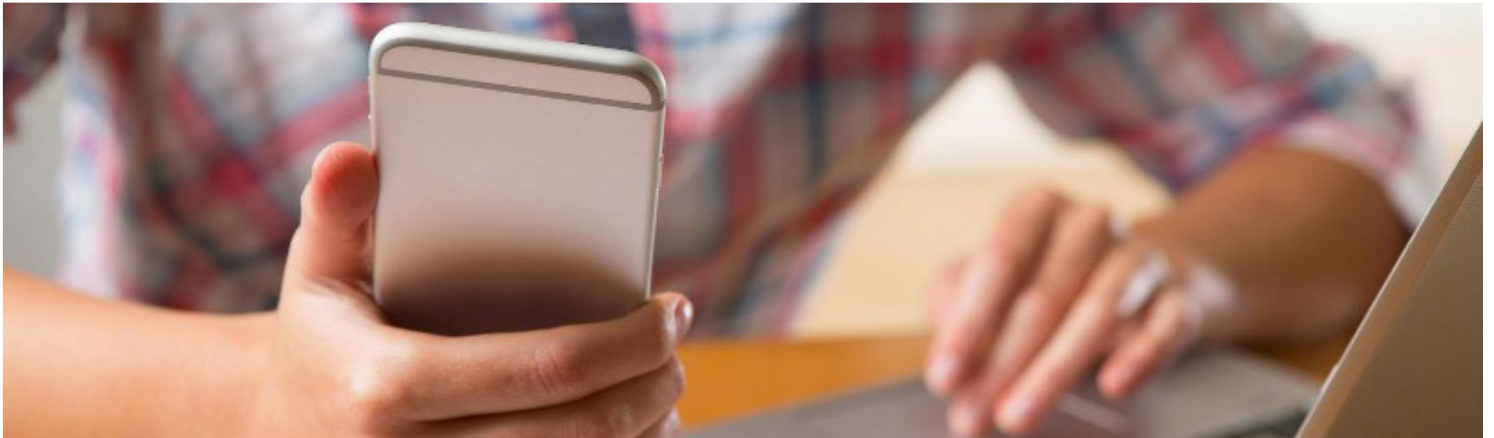


Each of the modules is presented weekly, along with videos, references, assignments, chat, and collaborative sessions. You'll work on a Capstone project and at the end of the class, you will have completed your very own Professional Cybersecurity Portfolio.

- Cybersecurity Portfolio & all course materials
- Group discussions
- Interactive projects
- 8 Weeks of mentoring

### Reserve your seat in one of our upcoming programs! ($4,995)

For more information and to get started today, contact program manager:

**Trena Compton**:

- **trenacompton@execed.csuchico.edu**
- **916-243-0020**

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