MILITARY TO BUSINESS IN CYBERSECURITY CERTIFICATE

Program Description

Security breaches are growing in frequency, sophistication, and consequence. This growth is likely driven by our increasing dependence on computing systems, both as individuals and as nations, which makes these systems attractive targets for malfeasants who design and launch attacks. With a deep understanding of operational security and teamwork, veterans and active service members are uniquely prepared to tackle complex challenges and safeguard critical systems.

This certificate program is designed to introduce you to the field of cybersecurity while also providing elective courses that will strengthen your business acumen and interpersonal skills — critical tools for a successful transition into civilian careers. You will have the opportunity to develop practical literacy in cybersecurity, gaining the leadership and problem-solving skills needed to enact meaningful change at an organizational level.

Beyond technical expertise, this program fosters collaboration by bringing together veterans and professionals from diverse industries, allowing you to expand your network, share perspectives, and build relationships with others who share your career aspirations. You will also gain skills to help you translate the leadership and teamwork skills honed during your service into the business environment, helping you thrive in cross-functional teams and drive mission success.

In addition, you will gain an understanding of the abstractions and principles needed to implement the design and analysis of secure systems. You will become comfortable navigating technical literature, authenticating users, and choosing between discretionary and mandatory access control schemes. By the end of this program, you will be able to identify the appropriate enforcement strategy for a given security policy and take confident steps toward a career in cybersecurity.

The core courses in this certificate program are required to be completed in the order they appear.

Key Takeaways

- Analyze the security of computer and networked information systems
- Identify cybersecurity goals and create a threat model for a system
- Identify protocol errors and recognize when a protocol may be vulnerable to security attacks
- Develop schemes for authenticating users

What You'll Earn

- Military to Business in Cybersecurity Certificate from Cornell Ann S. Bowers College of Computing and Information Science
- 116 Professional Development Hours (11.6 CEUs)
- 40 to 60 Professional Development Units (PDUs) toward PMI recertification

Who Should Enroll

- Service members transitioning, or veterans who have previously separated or retired, from any military branch

Courses

Code	Title	Hours
Core Courses		
eCornell CS431	Systems Security	0
eCornell CS432	Authenticating Machines	0
eCornell CS433	Authenticating Humans	0
eCornell CS434	Discretionary Access Control	0
Elective Courses (2 Courses)		
eCornell LSM703	Advanced Business Writing	0
eCornell CIPA521	Framing Complex Problems with Systems Thinking	0
eCornell CIPA526	Becoming a Systems Leader	0
eCornell LSM401	Problem-Solving Using Evidence and Critical Thinking	0
eCornell LSM402	Making a Convincing Case for Your Solution	0
eCornell CEEM574	Strategizing for Audiences With Different Expertise	0
eCornell CEEM575	Projecting Expertise and Confidence During Presentations	0