MAKE YOUR MARK ON THE CYBERWORLD

Professional Certificate in Applied Cybersecurity
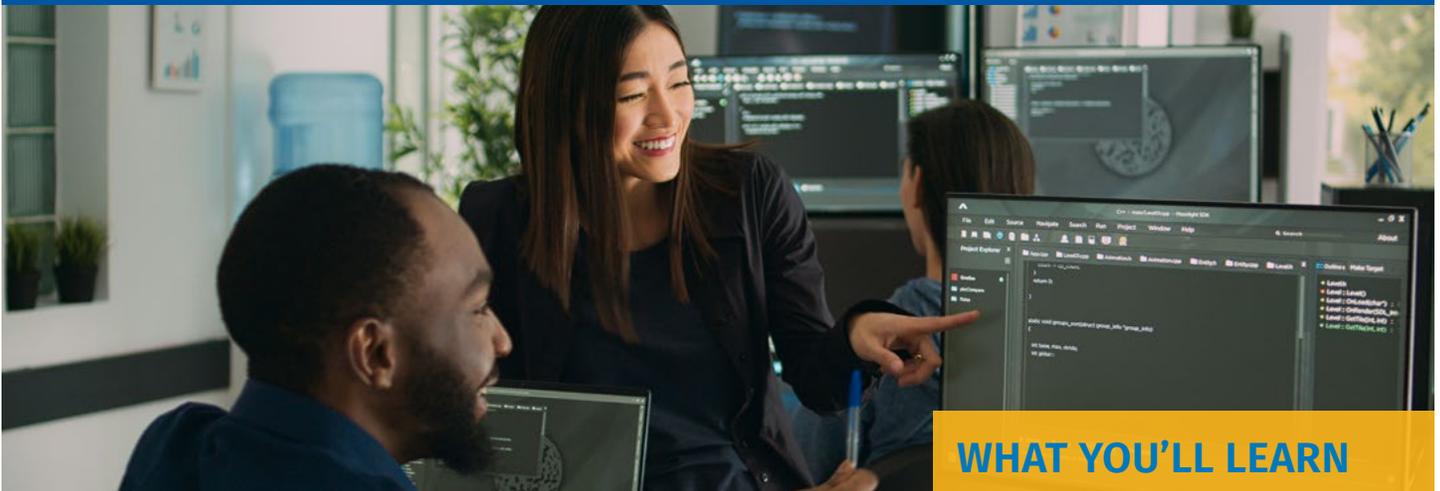
Cybersecurity is the practice of protecting computer systems, networks, and sensitive information from unauthorized access, theft, damage, and other forms of cyber threats. As the frequency and sophistication of cyberattacks continue to rise, industries face unprecedented risks to their data, systems, and overall security. Gain the essential skills and knowledge required to safeguard sensitive information, detect vulnerabilities, and respond effectively to cyber threats. Meet the growing demand for cybersecurity expertise and contribute to the resilience of businesses and critical infrastructures in an increasingly interconnected world. Learn to navigate the complexities of modern cybersecurity challenges with competence and confidence.

If you're not quite ready to complete the entire certificate, you can start with our Professional Achievement Award in Applied Cybersecurity Fundamentals to build a base foundation in concepts, terminology and common approaches used to combat cyber-attacks. Once you've got that under your belt, you can stack that into this full Professional Certificate to really round out your knowledge and skills.

WHAT YOU'LL LEARN

Fundamental definitions, principles, and concepts of cybersecurity

How to install network components to support enterprise security

Methods to leverage security and monitoring technologies and how to troubleshoot security issues

How to protect databases and preserve the integrity of an organization's data in SQL Server

How to examine a real-world business security problem, and solve it using risk analysis, appropriate tools, and proposing an effective incident response plan

TOTAL UNITS
14

TUITION
$6,720

COMPLETION TIME
6-12 months

FORMAT
Online

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UCR University Extension
Professional Studies

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BENEFITS OF EARNING A CERTIFICATE

There are several reasons why, Bachelor's degree in hand, you might be considering continuing your studies. An upgraded education section on your resume can open the door to a new career, or, if you're already working, lead to a promotion and a higher salary. While you're working, going back to school is an excellent way to stay current in rapidly changing fields, or, if you've been away from the workforce for a while, to quickly get caught up in the latest trends, concepts, and advances.

While there are as many paths to follow, as there are reasons to follow them when approaching continuing education, there is enormous value in terms of time, financial investment, and personal flexibility while gaining practical training from working professionals in your industry that extends beyond the theory of the classroom and into the real world.

KEY BENEFITS INCLUDE:

- UC quality curriculum
- Professional endorsements
- Schedule flexibility
- Variety of courses and programs
- Instruction from professional leaders in the industry

PAY AS YOU GO

Pay per individual course as you register.

COURSE TUITION RANGE
$510-$950

*Learn more about **tuition assistance**.

CAREER INFORMATION

IN-DEMAND FIELD
Jobs are projected to grow at a rate of 9% over the next 5 years.

STRONG EARNING POTENTIAL
Median Salary $112,000

VARIETY OF JOBS TO CHOOSE FROM

- Data Security Administrator
- Information Security Officer
- Information Technology Security Analyst
- Network Security Analyst
- Systems Analyst

SKILLS FOR SUCCESS

- Critical Thinking
- Complex Problem Solving
- Systems Analysis

REALITY CHECK. WHAT YOU WILL DO ON THE JOB.

- Develop plans to safeguard computer files
- Monitor reports of computer viruses
- Encrypt data transmissions and erect firewalls
- Document computer security and emergency policies
- Maintain data in information systems or databases

*Source: **O*NET Online, Workforce Characteristics Wages and Employment Trends 2022-2032***

University Extension
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STUDY PLAN

Our certificate programs are designed to be flexible, allowing you the option to take just a few courses or earn the complete certificate. If choosing to complete the certificate, we recommend you get the most out of your experience by following the suggested completion path below.

	Required Courses	UNITS
QUARTER		
1	Fundamentals of Cybersecurity CS X400	1
	Cybersecurity Technologies and Tools CS X401	2
2	Securing Databases CS X402	1
	Applied Cybersecurity & Crisis Analysis CS X403	2
3	Digital Forensics CS X410	2
	Cloud Security CS X410.A	2
4	Governance, Risk, & Compliance CS X410.B	2
	Elective	2

Electives	UNITS
5G Security CS X410.C	2
Artificial Intelligence for Cyber Security CS X410.D	2
Blockchain Fundamentals Forensics CS X410.E	2
Ethical Hacking Basics CS X410.F	2
Cyber Security in Healthcare CS X410.G	2

ARE YOU READY FOR YOUR NEXT STEP?

Schedule an appointment with an **Advisor** to get started. **extension.ucr.edu/advisors**

SPEAK TO AN ADVISOR 1

APPLY TO THE PROGRAM 2

TAKE COURSES 3

COMPLETE PROGRAM + SUBMIT VERIFICATION 4

For a full list of policies and procedures, check our website.

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