



University Extension  
Professional Studies

# SECURE YOUR NETWORK AND YOUR CAREER

## Professional Achievement Award in Applied Cybersecurity Fundamentals



**Threats to our personal accounts and data breaches are becoming all too common in our digital age.** Companies, organizations, and governments alike are quickly recognizing the need for more security professionals to protect and maintain their system’s integrity. Get ahead in this rapidly growing job market by preparing yourself with the skills to find, address, dismantle, and repair network security risks.

Start by building a foundation with the basics including concepts, terminology, and common approaches by analyzing current examples of cyber-attacks and how those were handled. Understand how to install network components like firewalls and VPN concentrators for network protection. Learn how to troubleshoot common security problems and use malware tools, data loss prevention, and other security methods. Discover the issues that threaten database security across industries, and how to use an SQL Server to encrypt data and connections. Then, take it to the next level. This program has a unique advantage—it’s known as a stackable certificate. This means that you can take the 6-units earned in this program and “stack” them into the full Professional Certificate in Applied Cybersecurity, to give you an even greater edge-up in the field with a deeper understanding of the subject.

### WHAT YOU’LL LEARN

Essential and current concepts and issues in cybersecurity

Methods to assess threats and responses

Network security tools available and proper installation of each

Common security issues facing companies, and how to implement data protection

 **TOTAL UNITS**  
6

 **TUITION**  
\$2,920

 **COMPLETION TIME**  
20 weeks

 **FORMAT**  
Online



**CONNECT WITH AN ADVISOR**  
[extension.ucr.edu/advisors](https://extension.ucr.edu/advisors)

# Professional Achievement Award in Applied Cybersecurity Fundamentals



## 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

## FLEXIBLE PAYMENT OPTIONS

One-Time Tuition	Pay-As-You-Go
<p>Save 20% on the entire program tuition of \$2,920 by paying in full upfront.</p> <p><b>\$2,336</b> FULL TUITION</p>	<p>Pay per individual course as you register.</p> <p>AVERAGE COURSE TUITION</p> <p><b>\$486</b> PER (2 UNIT) COURSE</p>

\*Learn more about [tuition assistance](#).

## CAREER INFORMATION

 <p><b>IN-DEMAND FIELD</b></p> <p>Jobs are projected to grow at a rate of 9% over the next 5 years.</p>	 <p><b>STRONG EARNING POTENTIAL</b></p> <p>Median Salary <b>\$112,000</b></p>	
 <p><b>VARIETY OF JOBS TO CHOOSE FROM</b></p> <ul style="list-style-type: none"> <li>• Data Security Administrator</li> <li>• Information Security Officer</li> <li>• Information Technology Security Analyst</li> <li>• Network Security Analyst</li> <li>• Systems Analyst</li> </ul>	 <p><b>SKILLS FOR SUCCESS</b></p> <ul style="list-style-type: none"> <li>• Critical Thinking</li> <li>• Complex Problem Solving</li> <li>• Systems Analysis</li> </ul>	 <p><b>REALITY CHECK. WHAT YOU WILL DO ON THE JOB.</b></p> <ul style="list-style-type: none"> <li>• Develop plans to safeguard computer files</li> <li>• Monitor reports of computer viruses</li> <li>• Encrypt data transmissions and erect firewalls</li> <li>• Document computer security and emergency policies</li> <li>• Maintain data in information systems or databases</li> </ul>



# Professional Achievement Award in Applied Cybersecurity Fundamentals



## 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		
QUARTER		UNITS
1	Fundamentals of Cybersecurity <a href="#">CS X400</a>	1
	Cybersecurity Technologies and Tools <a href="#">CS X401</a>	2
	Securing Databases <a href="#">CS X402</a>	1
	Applied Cybersecurity Fundamentals and Crisis Analysis <a href="#">CS X403</a>	2

## ARE YOU READY FOR YOUR NEXT STEP?

Schedule an appointment with an [Advisor](#) to get started. [extension.ucr.edu/advisors](#)

