

Approx. program length:

2 years

Credits:

63

Cost per credit:

\$398

[Tuition Guarantee](#)

Format:

Online

Associate of Science in Cybersecurity

The International Council of E-Commerce Consultants (EC-Council) and University of Phoenix teamed up to launch the Associate of Science in Cybersecurity degree and elective courses that align with three EC-Council certification exams: Certified Ethical Hacker (CEH), Certified Network Defender (CND) and Certified Secure Computer User (CSCU). Awarded the EC-Council's 2019 Academic Circle of Excellence Award as a result of this partnership, this program is designed to help you develop the problem-solving skills and techniques needed to defend the cyber domain.

You'll learn how to:

- Protect all assets of a computer infrastructure in the cyber domain
- Explain security risk assessment and summarize a vulnerability mitigation plan
- Outline technical problems and summarize computing requirements to solve them

Projected job growth:

28%

According to [Bureau of Labor Statistics](#)

What can you do with an Associate of Science in Cybersecurity?

An ASCYB can prepare you to be an:

- Information security analyst
- Information security specialist

According to the [Bureau of Labor Statistics](#), job growth for information security analysts is projected to be much faster than average between 2018 and 2028.

BLS projections are not specific to University of Phoenix students or graduates.

Institutional accreditation

University of Phoenix is accredited by the Higher Learning Commission (HLC), hlcommission.org. Since 1978, University of Phoenix has been continually accredited by the Higher Learning Commission and its predecessor.

Total credits required:

63

Requirements and prerequisites

You'll need 63 credits to complete this Associate of Science in Cybersecurity. Your course schedule may vary based on transferable credits or credits earned through the University's Prior Learning Assessment.

7 Core courses

Here's where you'll pick up the bulk of your program-specific knowledge. By the time you finish these courses, you should have the confidence and skills to succeed in an IT environment.

- CYB/110: Foundations of Security
- CYB/120: Computer Network Defense Part 1
- CYB/130: Object-Oriented Scripting Language
- CYB/135: OBJECT-ORIENTED SECURITY SCRIPTING
- CYB/140: Computer Network Defense Part 2
- CYB/150: Computer Network Defense Part 3
- CYB/225: Linux Fundamentals
- CYB/227: Sniffing and Network Analysis
- CYB/229: Ethical Hacking Part 1
- CYB/231: Ethical Hacking Part 2
- CYB/233: Ethical Hacking Part 3
- CYB/235: Project Ethical Hacking

9 General Education courses

These courses lay the foundation for all our degree programs. Because communication, math and writing skills aren't just universally applicable in IT — they're useful in daily life.

- GEN/201: FOUNDATIONS FOR UNIVERSITY SUCCESS
- PSY/110: PSYCHOLOGY OF LEARNING
- ENG/100: CRITICAL READING AND COMPOSITION
- SCI/220T: HUMAN NUTRITION
- HUM/115: CRITICAL THINKING IN EVERYDAY LIFE
- ENG/200: RHETORIC AND RESEARCH
- CYB/100: Cyber Domain
- MTH/219T: INTRODUCTION TO COLLEGE ALGEBRA
- MTH/220T: COLLEGE ALGEBRA

5 Elective courses

Elective courses allow you to learn about topics you're interested in, whether they're related to your degree or not. That means you'll have a degree that's unique to you and your education goals.

Schedule

Your academic counselor will help schedule your courses for the Associate of Science in Cybersecurity.

What you'll learn

When you earn your Associate of Science in Cybersecurity you'll be equipped with a concrete set of skills you can apply on the job.

Download learning outcomes

Topics covered in this degree include:

- Specific disciplinary knowledge
- Clear and critical reasoning
- Verbal and written communication
- Effective access and use of information
- Working effectively in diverse groups and teams
- Explaining and applying information security concepts
- Describing and explaining fundamentals of networking