Bachelor of Science in Cybersecurity Degree

University of Phoenix®

Approx. program length:	Credits:	Cost per credit:	Format:
4 years	120	$398 Tuition Guarantee	Online

Bachelor of Science in Cybersecurity Degree

An organization's most valuable asset is its data — making the people who protect it indispensable. With our Bachelor of Science in Cybersecurity degree, you'll prepare to play a vital role in stopping cyber threats within any organization. And you'll take just one 5-week course at a time, so you can balance work and life on the path to your degree.

You'll learn how to:

- Apply mathematics, science, and engineering principles in the cyber domain
- Determine the computing requirements needed to solve technical problems

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Projected job growth:

32%

According to Bureau of Labor Statistics

What can you do with a Bachelor of Science in Cybersecurity degree?

A BSCYB can help prepare you to be an:

- IT security analyst
- Data Security Administrator
- Information Security Specialist
- IT Specialist
- Systems Analyst
- Information Systems Supervisor

According to the Bureau of Labor Statistics, job growth for IT 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.

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Total credits required:

120

Requirements and prerequisites

You'll need 120 credits to complete this Bachelor of Science in Cybersecurity degree. Your course schedule may vary based on transferable credits or credits earned through the University's Prior Learning Assessment.

11 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 needed in a cybersecurity environment.

- CYB/100: Cyber Domain
- 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
- CYB/340: Web and Cloud Computing and Security
- CYB/350: Security Team Participation
- CYB/360: Wireless Security
- CYB/405: Information Systems Governance
- CYB/407: Information Systems Risk Controls and Auditing Management
- CYB/409: Information Systems Leadership, Projects and Operations
- CYB/411: Information Systems Core Competencies
- CYB/413: Strategic Planning and Finance
- CYB/415: Project Cybersecurity Policy and Governance
- CYB/490: Capstone Bachelor Design
- CYB/492: Capstone Bachelor Implementation
- NTC/300: CLOUD TECHNOLOGIES
- PRG/420: JAVA PROGRAMMING I

22 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 cybersecurity — they're useful in daily life.

- GEN/201: FOUNDATIONS FOR UNIVERSITY SUCCESS
- PSY/110: PSYCHOLOGY OF LEARNING
- ENG/100: CRITICAL READING AND COMPOSITION
- HUM/115: CRITICAL THINKING IN EVERYDAY LIFE
- FP/100T: EVERYDAY ECONOMICS AND FINANCES
- ENG/200: RHETORIC AND RESEARCH
- BIS/221T: INTRODUCTION TO COMPUTER APPLICATIONS AND SYSTEMS
- DAT/210: Data Programming Languages
- NTC/260: FOUNDATIONS OF CLOUD SERVICES
- SCI/220T: HUMAN NUTRITION
- MTH/217: STATISTICS I
- MTH/218: STATISTICS II
- CYB/160: Governance and Privacy
- CYB/320: Global Cyber Ethics

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 you schedule your courses for a Bachelor of Science in Cybersecuritydegree.

What you'll learn

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

Topics covered in this degree include:

- Risk assessment
- Computer infrastructure
- Technical problem solving
- Enterprise management
- Ethical hacking