

Approx. program length:

**47 months**

Credits:

**120**

Cost per credit:

**\$398**

[Tuition Guarantee](#)

Format:

**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.

### Top skills learned in this program:

- Security policies
- Vulnerability
- Network security
- Information systems security
- Cyber security

Projected job growth:

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**35%**

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 systems security analyst
- 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 2021 and 2031.

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

Total credits required:

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**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.

## 12 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/130T: 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/445: Risk Assessment
- CYB/447: Insider Threat and Reporting
- CYB/449: Computer Forensics Investigative Process
- CYB/451: Computer Forensics Lab
- CYB/453: Network, Wireless, Web, Email and Mobile Forensics
- CYB/455: Project Digital Forensics
- CYB/490: Capstone Bachelor Design
- CYB/492: Capstone Bachelor Implementation
- NTC/300: Cloud Technologies
- PRG/420: Java Programming I

## 14 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/110: English Composition I
- HUM/115: Critical Thinking in Everyday Life
- FP/100T: Everyday Economics and Finances
- ENG/210: English Composition II
- BIS/221T: Introduction to Computer Applications and Systems
- NTC/260: Foundations of Cloud Services
- SCI/163T: Elements of Health and Wellness
- MTH/219T: Introduction to College Algebra
- MTH/220T: College Algebra
- DAT/210: Data Programming Languages
- CYB/160: Governance and Privacy
- CYB/320: Global Cyber Ethics

## 14 Program electives

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

Attend class whenever it fits your life, day or night because our online classroom is available 24/7/365. Your academic counselor will help schedule your courses for a Bachelor of Science in Cybersecurity degree.

## 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.

You'll learn how to:

- Examine an organization's infrastructure to ensure compliance with cybersecurity standards and policies.
- Evaluate organizational policies and strategies to determine potential cybersecurity vulnerabilities.
- Apply a variety of hacking tools and techniques to expose risk and protect and secure network systems in a variety of organizations.
- Apply the known phases of ethical hacking to protect and secure networks systems in a variety of organizations.
- Apply object-oriented scripting to solve potential cyber-security attacks.