

Approx. program length:

2 years

Credits:

39

Cost per credit:

\$698

[Tuition Guarantee](#)

Format:

Online

Master of Science in Cybersecurity

Data is everywhere, and companies need cyber security experts to protect it. With our Master of Science in Cybersecurity, you'll gain a deeper understanding of cybersecurity and operations at an enterprise level. And you'll take just one 6-week course at a time, so you can balance work and life on the path to your degree.

Top skills learned in this program:

- Cybersecurity
- Security Policies
- Vulnerability

Projected job growth:

33%

According to [Bureau of Labor Statistics](#)

What can you do with a Master of Science in Cybersecurity?

An MSCYB can prepare you to be a:

- Network Security Analyst
- Information Security Analyst
- Systems Analyst
- Security Officer
- Data Processing Manager
- Information Security Manager
- Application Development Director

According to the [Bureau of Labor Statistics](#), job growth for information security analysts is projected to be much faster than average between 2020 and 2030.

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

Possible career outcomes for graduates of this program

- Information Security Analysts

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:

39

Requirements and prerequisites

You'll need 39 credits to complete this cybersecurity masters.

6 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 this field.

- CYB/500: Advanced Cybersecurity Concepts
- CYB/505: Secure Software Development
- CYB/510: Cloud Security
- CYB/515: Network Security
- CMGT/559: Managing Risk and Security vs Opportunity
- CYB/520: Cyber Ethics
- CYB/530: Cybersecurity Practitioner
- CYB/535: Secure Programming
- CYB/540: Cryptography
- CYB/545: Threat Intelligence
- CYB/550: Technical Enterprise Security
- CYB/555: Enterprise Security Operations
- CYB/560: MSCYB Capstone

7 Electives

Elective courses allow you choose from two tracks: leadership/auditing or tactical cyber. That means you'll have a degree that's unique to you and your goals.

Schedule

Your academic counselor will help schedule your courses for a cybersecurity masters degree.

What you'll learn

When you earn your on-campus or online cyber security masters degree, you'll be equipped with a concrete set of skills you can apply on the job.

You'll learn how to:

- Design elements of an enterprise using standards and tactics in cybersecurity.
- Consider ethical and privacy protocols in enterprise cybersecurity.
- Implement cybersecurity frameworks and policies in risk management.

Specialize your Master of Science in Cybersecurity by choosing electives that align with CompTIA and EC Council certifications in the following areas: