

Associate of Arts with a concentration in Information Technology with an Information Assurance and Security Certificate



Approx. program length:

2 years

Credits:

60

Cost per credit:

\$398

Tuition Guarantee

Format:

Online

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Gain a solid foundation in cybersecurity, encryption and network backup strategies with courses designed to prepare you to sit for certifications from CompTIA and EC-Council. Our Associate of Arts in Information Technology with an Information Assurance and Security Certificate can help you prepare for your IT career with courses in three key areas: information systems fundamentals, information security, and networking.

You'll learn how to:

- Understand the basics of systems security, including access controls, networking and malicious code activity
- Use security and encryption methods
- Manage and assess risks
- Develop a Windows® server configuration

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Projected job growth:

32%

According to [Bureau of Labor Statistics](#)

What can you do with an Associate of Arts in Information Technology with an Information Assurance and Security Certificate?

An AA/Information Technology 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.

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:

60

Requirements and prerequisites

You'll need 60 credits to complete this Associate of Arts in Information Technology with an Information Assurance and Security Certificate.

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 to succeed in an IT environment.

- CIS/207T: INFORMATION SYSTEMS FUNDAMENTALS
- CMGT/245: IS SECURITY CONCEPTS
- NTC/260: FOUNDATIONS OF CLOUD SERVICES
- POS/221: WINDOWS SERVER CONFIGURATIONS
- CYB/110: Foundations of Security
- CYB/120: Computer Network Defense Part 1

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 IT — they're useful in daily life.

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- 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
- SOC/110: TEAMWORK, COLLABORATION, AND CONFLICT RESOLUTION
- SCI/220T: HUMAN NUTRITION
- CIS/211: OFFICE SOFTWARE SUPPORT FUNDAMENTALS
- CIS/291: PC AND DEVICE FUNDAMENTALS
- CIS/293: NETWORK TROUBLESHOOTING AND SUPPORT
- CIS/295: INTRODUCTION TO PC AND MOBILE OPERATING SYSTEMS
- HUM/186: MEDIA INFLUENCES ON AMERICAN CULTURE
- POL/215: STATE AND LOCAL POLITICAL PROCESSES
- ETH/316: ETHICS AND SOCIAL RESPONSIBILITY
- BIO/101: PRINCIPLES OF BIOLOGY
- CHM/110: INTRODUCTORY CHEMISTRY
- ENG/340: CREATIVE WRITING
- MTH/219T: INTRODUCTION TO COLLEGE ALGEBRA
- MTH/220T: COLLEGE ALGEBRA
- BIO/350: GENERAL BIOLOGY I

3 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 an online Associate of Arts in Information Technology with an Information Assurance and Security Certificate.

What you'll learn

When you earn your Associate of Arts in Information Technology with an Information Assurance and Security Certificate, 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:

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- 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

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While widely available, not all programs are available in all locations or in both online and on-campus formats. Please check with a University Enrollment Representative.