

# CYSA+ CSO-002



The CompTIA Cybersecurity Analyst (CySA+) certification verifies that successful candidates have the knowledge and skills required to leverage intelligence and threat detection techniques, analyze and interpret data, identify and address vulnerabilities, suggest preventative measures, and effectively respond to and recover from incidents.



#### EXAM #

CSO-002

#### RELEASE DATE

April 2020

#### LANGUAGE

English and Japanese

#### CE REQUIRED?

Yes

#### ACCREDITATION

Accredited by ANSI to show compliance with the ISO 17024 Standard. It is also approved by the DoD for Directive 8140/8570.01-M

#### PREREQUISITES

Network+, Security+ or equivalent knowledge. Minimum of 4 years of hands-on information security or related experience.

#### PURCHASE CYSA+ HERE

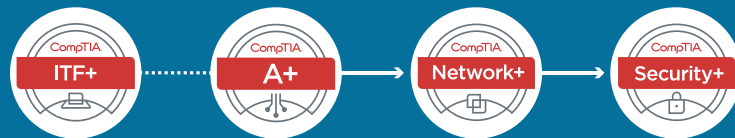
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## Where is this in the CompTIA Career Pathway?

The CompTIA Career Pathways allow IT professionals to achieve vendor-neutral infrastructure and cybersecurity mastery, from beginning to end.

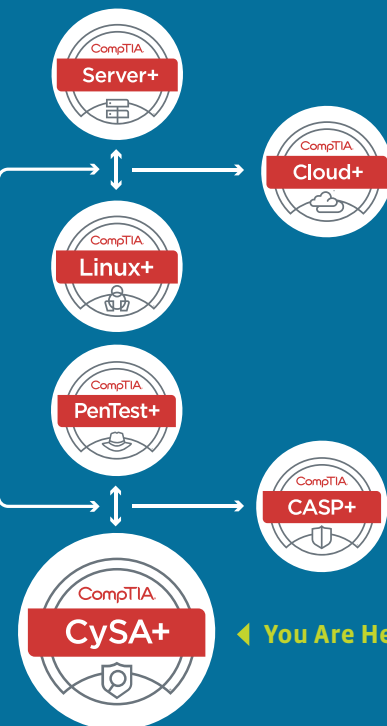
### CORE SKILLS CERTIFICATIONS



### PROFESSIONAL SKILLS



### INFRASTRUCTURE PATHWAY



### CYBERSECURITY PATHWAY



## About the Cybersecurity Pathway

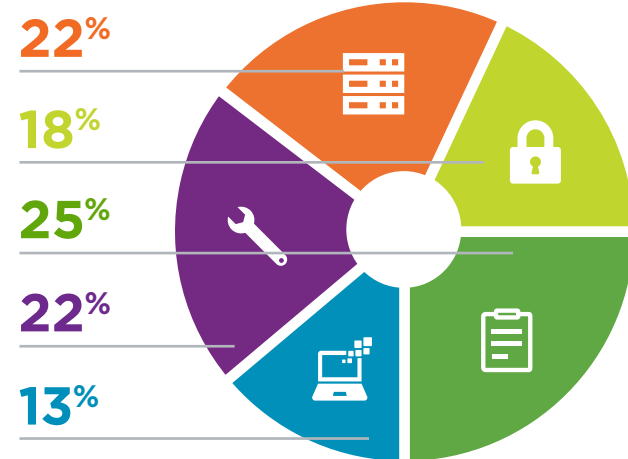
The CompTIA Cybersecurity Career Pathway helps technical specialists achieve cybersecurity mastery, from beginning to end.



# SKILLS & COMPETENCIES

-  [Threat and Vulnerability Management >](#)
-  [Software and Systems Security >](#)
-  [Security Operations and Monitoring >](#)
-  [Incident Response >](#)
-  [Compliance and Assessment >](#)

[VIEW EXAM OBJECTIVES](#)



## Top CySA+ Job Roles

- Security analyst
  - Tier II SOC analyst
  - Security monitoring
- Threat intelligence analyst
- Security engineer
- Application security analyst
- Incident response or handler
- Compliance analyst
- Threat hunter

## Organizations that Use CySA+

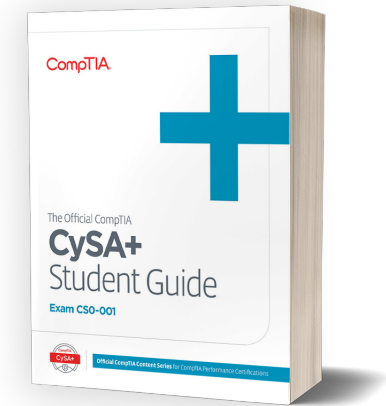
- |                                       |  |
|---------------------------------------|--|
| • U.S. Department of Defense (DoD)    | • KirkpatrickPrice                         |
| • U.S. Department of Veterans Affairs | • Integra                                  |
| • U.S. Navy                           | • Dell SecureWorks                         |
| • Northrop Grumman                    | • Linux Professional Institute             |
| • Target                              | • Boulder Community Health                 |
| • RICOH USA                           | • Western Governors University             |
| • Japan Business Systems (JBS)        | • BlackKnight Cyber Security International |
| • Federal Reserve Bank of Chicago     | • Summit Credit Union                      |
| • Washington State Patrol             |  |

## How does CompTIA CySA+ Compare?

Find out how CompTIA CySA+ compares to the leading certification programs.

[COMPARE COMPTIA CYSA+](#)

# OFFICIAL LEARNING RESOURCES



## Overview

The Official CompTIA CySA+ Guides (Exam CS0-002) are designed to focus on teaching an IT professional the ability to proactively defend and continuously improve the security of an organization through leveraging intelligence and threat detection techniques, analyzing and interpreting data, identifying and addressing vulnerabilities, and effectively responding to and recovering from incidents.

### AVAILABLE OFFICIAL COMPTIA LEARNING RESOURCES FOR INSTRUCTOR-LED TRAINING


 Books  Labs  e-Learning  Exam Prep


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## Key Features & Benefits

-  [Designed and Tested Specifically for Instructor-led Training >](#)
-  [Integrate Active Learning >](#)
-  [Focused on Job Roles and Objectives >](#)

-  [Support the Modern Learner >](#)
-  [Refreshed Interior Design and Image Program >](#)

## Instructor Resources

- Course-specific delivery tips
- Facilitator notes
- Solutions to activities and discussions
- PowerPoint slides
- Presentation planners

## Student Resources

- eBook
- Course files
- Videos
- Assessment
- PowerPoint slides
- Solutions to activities and discussions



# COURSE OVERVIEW

This course is for students who are preparing for the CompTIA CySA+ certification exam CS0-002. This course has been created for cybersecurity practitioners who perform job functions related to protecting information systems by ensuring their availability, integrity, authentication, confidentiality, and non-repudiation. This course focuses on the knowledge, ability, and skills necessary to defend those information systems in a cybersecurity context, including protection, detection, analysis, investigation, and response processes. In addition, the course ensures that all members of an IT team—everyone from help desk staff to the Chief Information Officer—understand their role in these security processes.

## Student Guide Lesson Overview

- 1 Lesson 1: Explaining the Importance of Security Controls and Security Intelligence
- 2 Lesson 2: Utilizing Threat Data and Intelligence
- 3 Lesson 3: Analyzing Security Monitoring Data
- 4 Lesson 4: Collecting and Querying Security Monitoring Data
- 5 Lesson 5: Utilizing Digital Forensics and Indicator Analysis Techniques
- 6 Lesson 6: Applying Incident Response Procedures
- 7 Lesson 7: Applying Risk Mitigation and Security Frameworks
- 8 Lesson 8: Performing Vulnerability Management
- 9 Lesson 9: Applying Security Solutions for Infrastructure Management
- 10 Lesson 10: Understanding Data Privacy and Protection
- 11 Lesson 11: Applying Security Solutions for Software Assurance
- 12 Lesson 12: Applying Security Solutions for Cloud and Automation

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### Exam Prep Option

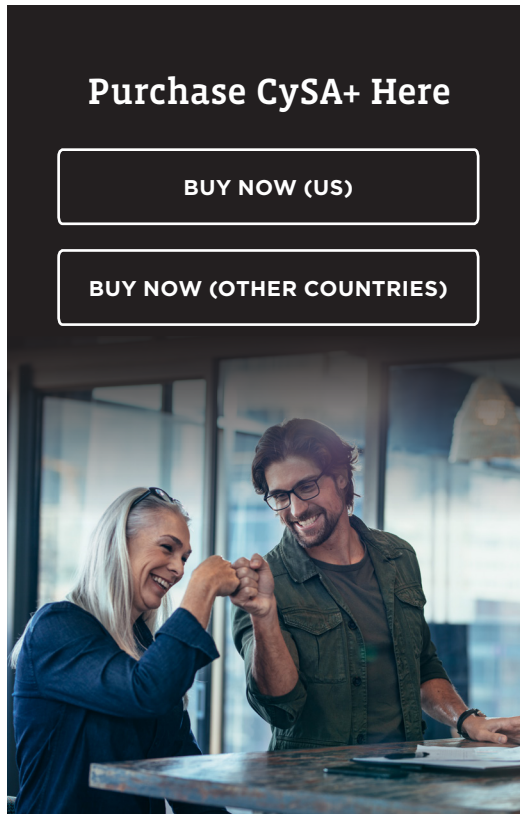
#### CERTMASTER PRACTICE

CompTIA CertMaster Practice is an online knowledge assessment and remediation tool designed to help learners feel more confident and prepared for the CompTIA exam.

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Everybody in technology should have this [CySA+]. It should be mandatory if you're going to stay in IT over the coming decade.

Jim Lucari

SENIOR MANAGER, CERTIFICATION SOLUTIONS DEVELOPMENT, HP ENTERPRISE