

# Grow with Google

## Google Cybersecurity Certificate

Prepare for a career as a cybersecurity analyst with a professional certificate from Google. Learn job-ready skills that are in-demand, like how to identify common risks, threats, and vulnerabilities, as well as the techniques to mitigate them.

- No relevant experience necessary
- Built by Google cybersecurity experts
- Learn at your own pace

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### What is Cybersecurity?



Cybersecurity analysts are responsible for monitoring and protecting networks, devices, people, and data. They use a collection of methods and technologies to safeguard against outside threats and unauthorized access—and to create and implement solutions should a threat get through.

- Cybersecurity analyst
- Security analyst
- SOC analyst
- Information security analyst
- IT security analyst
- Cyber defense analyst

**\$100,000+**  
median salary for jobs in  
cybersecurity

**213,000**  
open jobs in cybersecurity

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### Why earn a Google cybersecurity expert certificate?

#### Grow your career:

Build on your skills and unlock more job opportunities with higher salaries.

#### Learn at your own pace:

Complete the online program in under six months at a suggested pace of 10 hours of study a week or less.

#### A path to in-demand jobs:

Connect with top employers like, Deloitte, Target, Verizon, and Google.

#### Stand out to employers:

Make your resume competitive with a credential from Google

# Get a job in cybersecurity, with help from Google

Learn the foundations of cybersecurity and get the job-ready skills you need to kick-start your career in a fast-growing field

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## Cybersecurity Certificate

This fully online program provides the skills you need for an entry-level job in cybersecurity, even if you don't have prior experience. You'll use industry standard tools like Python, Linux, SQL, Security Information and Event Management (SIEM) tools, and Intrusion Detection Systems (IDS).

3-6

Months completion time

100%

Remote, online learning

### You will learn about:

- Programming for cybersecurity tasks
- Frameworks and controls that inform security operations
- Using security information and event management (SIEM) tools for cybersecurity
- Detecting and responding to incidents using an intrusion detection system
- Performing packet capture and analysis

### Certificate curriculum:

- Foundations of Cybersecurity
- Play It Safe: Manage Security Risks
- Connect and Protect: Networks and Network Security
- Tools of the Trade: Linux and SQL
- Assets, Threats, and Vulnerabilities
- Sound the Alarm: Detection and Response
- Automate Cybersecurity Tasks with Python
- Put It to Work: Prepare for cybersecurity jobs

## What is cybersecurity?

Organizations must continuously protect themselves and the people they serve from cyber-related threats, like fraud and phishing. They rely on cybersecurity to maintain the confidentiality, integrity, and availability of their internal systems and information.

Cybersecurity analysts use a collection of methods and technologies to safeguard against threats and unauthorized access - and to create and implement solutions should a threat get through.

## What does a cybersecurity analyst do?

Cybersecurity analysts work to protect organizations and people from harm. Just as you'd need the right methods to secure your house from a storm, cybersecurity analysts rely on a variety of tools to quickly respond to threats and minimize risk or damage.

While cybersecurity analysts can react quickly to immediate disruptions and threats, they also take a proactive role in safeguarding their organizations. They continuously monitor systems and networks, and always ask questions and seek out solutions. If they discover a breach has occurred, cybersecurity analysts will launch an investigation and report on their findings.

## Why start a career in cybersecurity?

As cyber-related threats continue to rapidly grow and evolve, cybersecurity is a must-have for many organizations. Cybersecurity analysts are essentially digital detectives. They investigate potential and ongoing threats, assess the situation to find the best solution, and protect networks, devices, people, and data. Cybersecurity analysts use analytical and technical skills to crack cybersecurity puzzles, but also rely on creative thinking to address new threats in unique ways. With so much riding on the safety of organizations' data, cybersecurity analysts play a critical role and are in high demand.

## Who is the *Cybersecurity Certificate* for?

You! No prior cybersecurity experience or specific knowledge is required. All you need is an interest in solving puzzles, investigating, and helping others.