

Information Security Analyst

Textbook

Information Security Analyst

Do you notice small details? Does solving problems excite you? If so, perhaps you should learn more about becoming an information security analyst!



What does an information security analyst do?

Information security analysts create security systems that protect information in a computer network. A computer network is a system of computers that share information.

Unfortunately, there are people, like hackers, who create cyber attacks to get private information. It is the information security analyst's job to create systems that stop cyber attacks and protect the information. They often do this by watching the computer network being used. These analysts look for things within the network that could be a risk and create solutions to fix these risks and protect the system.

What is a typical day like?

Information security analysts often work on teams for companies. They work full-time, and sometimes have to be willing to work after hours in case an emergency pops up. They do several things, but often monitor the company's network and look for people trying to hack the security. If they see this happening, security

analysts investigate the hacking attempt and create a software using firewalls and other security measures to better protect the information. It is crucial for an information security analyst to constantly research and look for the latest improvements in security technology.

What kind of training or schooling is required?

One needs to have at least a bachelor's degree in computer science or some kind of security related field in order to become an information security analyst. Some employers prefer the security analysts to also have a Master's of Business Administration (MBA) in information systems. Most MBA programs require an additional 2 years of study. However, between studies, it would be helpful to obtain internships or related jobs in the security analyst field as employers often hire those who have previous experience in this area.

Job and Salary Outlook

In 2020 there were 141,200 positions for information security analysts. This number is expected to grow by 33% in ten years, which is four times the growth rate of most jobs! This means that in 2030 it is expected that there will be 188,300 jobs in this field. The need for information security analysts is expected to grow so rapidly, because the number of cyber attacks happening is increasing. Companies, hospitals, and banks will need more innovative ways to protect their information from hackers.

According to the U.S. Bureau of Labor Statistics, the average information security analyst makes \$103,590 each year. That salary can range anywhere from \$60,060 to \$163,300 though depending on where one works and their level of experience.

Common Soft Skills

Analytical

Innovative

Determined

Questions (1)

1. Did you read the textbook?

MULTIPLE CHOICE

Choose the correct answer:

- A. Yes
- B. No

Answer Keys & Solutions

Questions

1. Did you read the textbook?

MULTIPLE CHOICE

Correct Answer:

A. Yes

✓ Correct

B. No

✗ Incorrect