

Security Intelligence Engineer

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Security Intelligence Engineer

Prevent, detect and respond to cyber security threats.

Currently, the cost of cybercrime for the global economy has been estimated at \$445 billion annually. The need to protect a company's online data infrastructure is now more important as information technology continues to advance.

The Security Intelligence Engineer career path prepares students to learn to consolidate event logs from device endpoints within a network to identify threats. This will require skills in security intelligence and event management such as data security, event offenses, asset profile offenses and event rules. The Security Intelligence Engineer will use tools to investigate offenses that are generated from network logs and create rules that will prevent them from happening further.

This career path includes the following learning modules, open badges, and job roles:

Learning Modules

Module I – Cyber Security Overview

- Status quo of IT security
- Security Intelligence and operations

Module II – Security Intelligence Foundations

- Designing a Security Intelligence solution
- Security Intelligence functional components

Module III – Security Intelligence Engineer

- Collecting and processing events, flows, and vulnerability data
- Investigating an offense that is triggered by events
- Investigating the events of an offense

- Using asset profiles to investigate offenses
- Investigating an offense that is triggered by flows
- False positives overview
- Investigating superflows
- Using rules and building blocks
- Creating SIEM reports
- Performing advanced filtering

IBM Open Badges

- Security Intelligence Engineer: Explorer | Mastery Award

Associated Job Roles

- Application Security Engineer
- Cloud Solution Administrator
- Predictive Analytics Modeler
- Watson Cognitive Specialist

Be a part of a program that can make an impact on your world.

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