



14 Courses

Introduction to Cybersecurity  
Careers

Introduction to Cybersecurity  
Essentials

Introduction to Cybersecurity  
Tools & Cyberattacks

Operating Systems: Overview,  
Administration, and Security

Computer Networks and Network  
Security

Database Essentials and  
Vulnerabilities

Cybersecurity Architecture

Cybersecurity Compliance  
Framework, Standards &  
Regulations

Penetration Testing, Threat  
Hunting, and Cryptography

Incident Response and Digital  
Forensics

Cybersecurity Case Studies and  
Capstone Project

Cybersecurity Assessment:  
CompTIA Security+ & CYSA+

Generative AI: Boost Your  
Cybersecurity Career

Cybersecurity Job Search, Resume,  
and Interview Prep



Jul 2, 2025

**Thomas Trott**

has successfully completed the online, non-credit Professional  
Certificate

## IBM Cybersecurity Analyst

Holders of this certificate have a comprehensive overview of the cybersecurity analyst role and can tackle the challenges of an entry-level position. Learners can identify pathways for cybersecurity careers and understand cybersecurity essentials, tools, technologies, and cyberattacks. They have a grasp of operating systems, including their overview, administration, and security, as well as networking fundamentals and security. They also understand database fundamentals and vulnerabilities, can design cybersecurity architecture, and are knowledgeable about cybersecurity compliance frameworks, standards, and regulations. They are capable of performing penetration testing, responding to incidents, and conducting forensics. They also have an understanding of the cyber threat intelligence.

The online specialization named in this certificate may draw on material from courses taught on-campus, but the included courses are not equivalent to on-campus courses. Participation in this online specialization does not constitute enrollment at this university. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the learner.

*Green Kypkemp*

Program Manager, IBM  
Security Learning  
Services

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