



4 Courses

**Introduction to  
Cybersecurity Tools & Cyber  
Attacks**

**Cybersecurity Roles,  
Processes & Operating  
System Security**

**Cybersecurity Compliance  
Framework & System  
Administration**

**Network Security &  
Database Vulnerabilities**



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**SOFIANE HAMLAOUI**

has successfully completed the online, non-credit Specialization

# IT Fundamentals for Cybersecurity

This specialization provided the learner with knowledge of cybersecurity concepts, tools and processes; compliance frameworks; system administration, operating system and database vulnerabilities basics; types of cyber attacks; and basic networking. The learner also gained knowledge around important cybersecurity topics such as cryptography and digital forensics. The learner's knowledge was tested through multiple assessments throughout the courses within this specialization.

*Coreen Ryskamp*

Coreen Ryskamp  
Program Manager  
IBM Security Learning  
Services

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.

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