



4 Courses

**Classical Cryptosystems and  
Core Concepts**

**Mathematical Foundations  
for Cryptography**

**Symmetric Cryptography**

**Asymmetric Cryptography  
and Key Management**



Jul 6, 2023

**Li Zhu**

has successfully completed the online, non-credit Specialization

# Introduction to Applied Cryptography

Cryptography is an essential component of cybersecurity. The need to protect sensitive information and ensure the integrity of industrial control processes has placed a premium on cybersecurity skills in today's information technology market. Demand for cybersecurity jobs is expected to rise 6 million globally by 2019, with a projected shortfall of 1.5 million, according to Symantec, the world's largest security software vendor. According to Forbes, the cybersecurity market is expected to grow from \$75 billion in 2015 to \$170 billion by 2020.

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