

EC-Council



ECES Exam Blueprint v1

S. No.	Domain	Sub Domains	Weightage
1	Introduction and History of Cryptography	<ul style="list-style-type: none"> • Overview of Cryptography • Understanding Mono-Alphabet Substitution Cryptographic Algorithms • Understanding Multi-Alphabet Substitution Cryptographic Algorithms • Understanding Homophonic Substitution Cryptographic Algorithms 	8%
2	Symmetric Cryptography and Hashes	<ul style="list-style-type: none"> • Overview of Symmetric Cryptography • Understanding Basic Binary Math in Cryptography • Understanding Symmetric Block Cipher Algorithms • Understanding Symmetric Algorithm Methods • Overview of Symmetric Stream Ciphers • Overview of Cryptographic Hash Algorithms 	44%
3	Number Theory and Asymmetric Cryptography	<ul style="list-style-type: none"> • Overview of Asymmetric Cryptography • Understanding Basic Number Facts • Understanding Birthday Theorem • Understanding Random Number Generators • Overview of Asymmetric Encryption Algorithms 	14%
4	Applications of Cryptography	<ul style="list-style-type: none"> • Overview of Digital Signatures, Digital Certificates, and Digital Certificate Management • Understanding Authentication Protocols • Understanding Wi-Fi Encryption, SSL, and TLS • Understanding VPN and Protocols Used to Create VPN • Understanding File and Disk Encryption • Overview of Steganography and Steganalysis • Overview of National Security Agency Encryption Algorithms 	24%

5	Cryptanalysis	<ul style="list-style-type: none">• Overview of Cryptanalysis• Understanding Cryptanalysis Techniques• Overview of Cryptanalysis Resources and Success• Understanding Password Cracking	10%
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