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| Cybersecurity | |
| **SOURCE: 01** | **Cyber Security** |
| 01 | [Course Outline](https://www.youtube.com/watch?v=RVR25MzHnCI&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=1&pp=iAQB) |
| 02 | [Requirement](https://www.youtube.com/watch?v=ZXM-9YONmHc&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=2&pp=iAQB) |
| 03 | [Getting Ready](https://www.youtube.com/watch?v=OpMMrayXfyM&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=3&pp=iAQB) |
| 04 | [Effective Note Keeping](https://www.youtube.com/watch?v=VZPhj7aAwr8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=4&pp=iAQB) |
| 05 | [Connect with Community](https://www.youtube.com/watch?v=g6yqSxIjIYc&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=5&pp=iAQB) |
| 06 | [What is Cyber Security](https://www.youtube.com/watch?v=8iWB0iF0NRU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=6&pp=iAQB) |
| 07 | [History of Cyber Attacks](https://www.youtube.com/watch?v=1cKHzJOOMKs&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=7&pp=iAQB) |
| 08 | [Inclusion Detection System](https://www.youtube.com/watch?v=DgrfsOD5cBk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=8&pp=iAQB) |
| 09 | [Careers in Cyber Security](https://www.youtube.com/watch?v=HyjI61jVQz8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=9&pp=iAQB) |
| 10 | [Types of Hackers](https://www.youtube.com/watch?v=FL-Uz8UkZQ8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=10&pp=iAQB) |
| 11 | [Cyber Threats, Malware](https://www.youtube.com/watch?v=Y2dLcLTBCB8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=11&pp=iAQB) |
| 12 | [Phishing](https://www.youtube.com/watch?v=BscntB2Xj1Q&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=12&pp=iAQB) |
| 13 | [MITM Attacks](https://www.youtube.com/watch?v=I70q4vxmi5k&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=13&pp=iAQB) |
| 14 | [DDOS Attacks](https://www.youtube.com/watch?v=ZXQt3JPPrjk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=14&pp=iAQB) |
| 15 | [Password Attacks](https://www.youtube.com/watch?v=KhSdDUC9zNE&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=15&pp=iAQB) |
| 16 | [Maladvertising](https://www.youtube.com/watch?v=EyifDT5DQ-o&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=16&pp=iAQB) |
| 17 | [Rouge Software](https://www.youtube.com/watch?v=MOxUB3UlfhU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=17&pp=iAQB) |
| 18 | [What is Penetration Testing](https://www.youtube.com/watch?v=6oo7VCSdvEs&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=18&pp=iAQB) |
| 19 | [Types of Penetration Testing](https://www.youtube.com/watch?v=FHW2T084kyA&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=19&pp=iAQB) |
| 20 | [States of Penetration Testing](https://www.youtube.com/watch?v=Hzq_lXZHLz4&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=20&pp=iAQB) |
| 21 | [Hashing and Digital Signatures](https://www.youtube.com/watch?v=NZqDH7q2O-M&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=21&pp=iAQB) |
| 22 | [Cryptography](https://www.youtube.com/watch?v=htXmKoqsTCc&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=22&pp=iAQB) |
| 23 | [The CIA Traid](https://www.youtube.com/watch?v=xBT7h5TmA60&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=23&pp=iAQB) |
| 24 | [Foot Printing](https://www.youtube.com/watch?v=dFfAHts-Oy8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=24&pp=iAQB) |
| 25 | [Linux Started](https://www.youtube.com/watch?v=s_aJHKZfDS0&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=25&pp=iAQB) |
| 26 | [What is Linux](https://www.youtube.com/watch?v=s_aJHKZfDS0&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=25&pp=iAQB) |
| 27 | [What is Linux](https://www.youtube.com/watch?v=cRB2fJPOfG8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=26&pp=iAQB) |
| 28 | [Installing Linux VM](https://www.youtube.com/watch?v=lD09aHagXVA&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=27&pp=iAQB) |
| 29 | [Linux File System](https://www.youtube.com/watch?v=N028R6kqtzk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=28&pp=iAQB) |
| 30 | [Linux Commands](https://www.youtube.com/watch?v=3xWo7A8Xhzs&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=29&pp=iAQB) |
| 31 | [Important and Sensitive Linux Files](https://www.youtube.com/watch?v=FGoeXukNJHY&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=30&pp=iAQB) |
| 32 | [What is Network](https://www.youtube.com/watch?v=ryZJn1KoUUo&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=31&pp=iAQB) |
| 33 | [IP Addresses](https://www.youtube.com/watch?v=pZ1Dz4AhzcE&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=32&pp=iAQB) |
| 34 | [Switches and Routes](https://www.youtube.com/watch?v=FhfjyxGlQ9A&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=33&pp=iAQB) |
| 35 | [Ports and Protocols](https://www.youtube.com/watch?v=q78ydrn4ZnY&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=34&pp=iAQB) |
| 36 | [NMAP](https://www.youtube.com/watch?v=3SBGzaHx6No&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=35&pp=iAQB) |
| 37 | [TCP and UDP Protocols](https://www.youtube.com/watch?v=YxtHcIvpHFE&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=36&pp=iAQB) |
| 38 | [What is Website](https://www.youtube.com/watch?v=FbEDcqV6q_M&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=37&pp=iAQB) |
| 39 | [What is Database](https://www.youtube.com/watch?v=EEaVo9G9bGU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=38&pp=iAQB) |
| 40 | [Client and Server](https://www.youtube.com/watch?v=oz8hro5B6IM&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=39&pp=iAQB) |
| 41 | [Domains and Sub-Domains](https://www.youtube.com/watch?v=G2C-N-rNL0M&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=40&pp=iAQB) |
| 42 | [Request and Response](https://www.youtube.com/watch?v=G12XwBexxnU&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=41&pp=iAQB) |
| 43 | [Cookies and Tasty](https://www.youtube.com/watch?v=vPeD_q4NHxY&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=42&pp=iAQB) |
| 44 | [HTTP and HTTPs](https://www.youtube.com/watch?v=QLOb6OY8wQ8&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=43&pp=iAQB) |
| 45 | [HTTP Methods](https://www.youtube.com/watch?v=gTlfJQcGFf4&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=44&pp=iAQB) |
| 46 | [Burp Suite](https://www.youtube.com/watch?v=4lu-US-sx-Q&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=45&pp=iAQB) |
| 47 | [HTTP Status Codes](https://www.youtube.com/watch?v=36uhcX1T73g&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=46&pp=iAQB) |
| 48 | [OWASP-1](https://www.youtube.com/watch?v=eD3anOShL2s&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=47&pp=iAQB) |
| 49 | [OWASP-2](https://www.youtube.com/watch?v=YyaiDx3GlNg&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=48&pp=iAQB) |
| 50 | [OWASP-3](https://www.youtube.com/watch?v=y2KxnPoas-Y&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=49&pp=iAQB) |
| 51 | [OWASP-4](https://www.youtube.com/watch?v=5fzAi-Cmp_A&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=50&pp=iAQB) |
| 52 | [OWASP-5](https://www.youtube.com/watch?v=_6ON9sGZ0kg&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=51&pp=iAQB) |
| 53 | [Weapon zing](https://www.youtube.com/watch?v=WS2TB8_RiJk&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=52&pp=iAQB) |
| 54 | [Bug Bounty](https://www.youtube.com/watch?v=OtV-OA6tb-4&list=PLfAJSU55p-wsGBNiNuAGyQXa1x80jT9ZQ&index=53&pp=iAQB) |

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| Cybersecurity | |
| **SOURCE: 02** | **Google Cybersecurity Certificate** |
| 01 | [Cybersecurity for Beginners](https://www.youtube.com/watch?v=_DVVNOGYtmU&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=1&pp=iAQB) |
| 02 | [How to Manage Security Risks and Threats](https://www.youtube.com/watch?v=34BtwcL7Mkg&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=2&pp=iAQB) |
| 03 | [Internet Networks and Network Security](https://www.youtube.com/watch?v=NIRXtMg-0z8&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=3&pp=iAQB) |
| 04 | [The Basics of Computing Security: Linux and SQL](https://www.youtube.com/watch?v=gmzQgmlR1eI&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=4&pp=iAQB) |
| 05 | [Cybersecurity Assets, Network Threats and Vulnerabilities](https://www.youtube.com/watch?v=Rgl7C0P6NsE&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=5&pp=iAQB) |
| 06 | [Cybersecurity IDR: Incident Detection and Response](https://www.youtube.com/watch?v=MsGl6lX-YaI&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=6&pp=iAQB) |
| 07 | [Fundamentals of Python for Cybersecurity](https://www.youtube.com/watch?v=4pe1fn3Gus0&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=7&pp=iAQB) |
| 08 | [How to Prepare for Your Cybersecurity Career](https://www.youtube.com/watch?v=3EgYr7jR4NI&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=8&pp=iAQB) |
| 09 | [What Does An Information Security Analyst Do](https://www.youtube.com/watch?v=CtynCVc5-ho&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=9&pp=iAQB) |
| 10 | [Jobs You Can Qualify for By Completing Google Cybersecurity](https://www.youtube.com/watch?v=jK0Fmx4iIkM&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=10&pp=iAQB) |
| 11 | [What is A Loop in Python](https://www.youtube.com/watch?v=JgBjhm-pPXo&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=11&pp=iAQB) |
| 12 | [What Are The 8 Cybersecurity Domains](https://www.youtube.com/watch?v=zOss1z7iNuk&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=13&pp=iAQB) |
| 13 | [What are The 8 Security Domains](https://www.youtube.com/watch?v=hvhsfC0Wz8s&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=14&pp=iAQB) |
| 14 | [How Do Operating Systems Work in Cybersecurity](https://www.youtube.com/watch?v=NfTDYn-iH28&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=15&pp=iAQB) |
| 15 | [What Are Network Tools and Protocols in Cybersecurity](https://www.youtube.com/watch?v=Nxr3bYNqHLk&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=16&pp=iAQB) |
| 16 | [What to Know Before Going Into Cybersecurity or Project Management](https://www.youtube.com/watch?v=8UyRy-ehLCc&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=17&pp=iAQB) |
| 17 | [How to Secure Networks in Cybersecurity](https://www.youtube.com/watch?v=ndSJZzRjARs&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=18&pp=iAQB) |
| 18 | [How to Best Communicate as A Cybersecurity Analyst](https://www.youtube.com/watch?v=7UQomitxc_Q&list=PLTZYG7bZ1u6ocTMdhDwwmfjaNv134KcWn&index=19&pp=iAQB) |

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| Information Security | |
| **SOURCE: 03** | **Cyber and Information Security** | |
| 01 | [Information Security Basic Concepts](https://www.youtube.com/watch?v=QqntPZqNHms&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=1&pp=iAQB) | |
| 02 | [Information Security Management and Governance](https://www.youtube.com/watch?v=ziuBRexf_Mg&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=2&pp=iAQB) | |
| 03 | [Cryptography Hashing Ciphering](https://www.youtube.com/watch?v=T4pPmx2q99M&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=3&pp=iAQB) | |
| 04 | [Message Authentication, SSL, TSL and Digital Signature](https://www.youtube.com/watch?v=Xw-L-kQxq5o&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=4&pp=iAQB) | |
| 05 | [Risk Management and Business Continuity Management](https://www.youtube.com/watch?v=90yaFsiDc3w&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=5&pp=iAQB) | |
| 06 | [Computer Security, Platform, Virtualization and Hyper-V](https://www.youtube.com/watch?v=Z9u8bulZwZQ&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=6&pp=iAQB) | |
| 07 | [Digital Forensics and Incident Response, Evidence](https://www.youtube.com/watch?v=gbiCWiH0W3g&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=7&pp=iAQB) | |
| 08 | [User Authentication, Passwords, Tokens and Biometrics](https://www.youtube.com/watch?v=b_A5nH2uz88&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=8&pp=iAQB) | |
| 09 | [Identity Management and Access Control, OpenId](https://www.youtube.com/watch?v=YUlyJ8UrrCw&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=9&pp=iAQB) | |
| 10 | [Communication Security, TSL, TCP/IP, HTTPS, SSL](https://www.youtube.com/watch?v=voS_C6csNnA&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=10&pp=iAQB) | |
| 11 | [Network Perimeter Security, Firewalls, Proxies](https://www.youtube.com/watch?v=6ydQcxnVx3Y&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=11&pp=iAQB) | |
| 12 | [Malicious Software, Attacks and Application Security](https://www.youtube.com/watch?v=zEHlCfus1nc&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=12&pp=iAQB) | |
| 13 | [Review and Recap – Project](https://www.youtube.com/watch?v=d1C2kciqxpo&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=13&pp=iAQB) | |
| 14 | [OWASP Top 10, Injection, XSS, Authentication Attack](https://www.youtube.com/watch?v=qOvo-ULPZ3o&list=PL_pbwdIyffslM_o92NwkaUzD7C6Fekx26&index=14&pp=iAQB) | |

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| Cryptography | |
| **SOURCE: 01** | **Cryptography** |
| 01 | [Encryption Explained Simply | What is Encryption | Cryptography and Network Security](https://www.youtube.com/watch?v=LA3fah6i-4A&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=2&pp=iAQB) |
| 02 | [What is Cryptography | Introduction to Cryptography](https://www.youtube.com/watch?v=rjWx39mB4Sc&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=3&pp=iAQB) |
| 03 | [Symmetric Key Cryptography | Stream Cipher and Block Cipher Explained | Network Security](https://www.youtube.com/watch?v=uzGzSHGip_o&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=4&pp=iAQB) |
| 04 | [DES – Data Encryption Standard | Data Encryption Standard In Cryptography | DES Algorithm](https://www.youtube.com/watch?v=S918rR4VdqQ&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=5&pp=iAQB) |
| 05 | [AES – Advanced Encryption Standard Algorithm in Cryptography | AES Explained](https://www.youtube.com/watch?v=Z_7aOkS8tOA&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=6&pp=iAQB) |
| 06 | [AES and DES Algorithm Explained | Difference Between AES and DES | Network Security](https://www.youtube.com/watch?v=ZzVV0llZoII&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=7&pp=iAQB) |
| 07 | [Asymmetric Key Cryptography | RSA Encryption Algorithm | Asymmetric Encryption](https://www.youtube.com/watch?v=sH74nrEefyI&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=8&pp=iAQB) |
| 08 | [DSA Algorithm | DSA Algorithm Explained | Digital Signature Algorithm](https://www.youtube.com/watch?v=ANsg4wIQFn4&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=9&pp=iAQB) |
| 09 | [RSA Encryption Algorithm | Rivest – Shamir – Adleman | RSA Algorithm Explained](https://www.youtube.com/watch?v=vf1z7GlG6Qo&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=10&pp=iAQB) |
| 10 | [RSA and DSA Encryption Algorithms Explained | Cryptography and Network Security](https://www.youtube.com/watch?v=bO4lEQfPn60&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=11&pp=iAQB) |
| 11 | [What is Hashing | What is Hashing with Example | Hashing Explained](https://www.youtube.com/watch?v=jmtzX-NPFDc&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=12&pp=iAQB) |
| 12 | [MD5 Algorithm | What is MD5 Algorithm | MD5 Algorithm Explained | Network Security](https://www.youtube.com/watch?v=r6GlzIWiMD0&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=13&pp=iAQB) |
| 13 | [SHA 256 | SHA 256 Algorithm Explanation | How SHA 256 Algorithm Works | Cryptography](https://www.youtube.com/watch?v=nduoUEHrK_4&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=14&pp=iAQB) |
| 14 | [Top Hashing Algorithm in Cryptography | MD5 and SHA 256 Algorithm Explained](https://www.youtube.com/watch?v=Plp4F3ZfC7A&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=15&pp=iAQB) |
| 15 | [Diffie Hellman Key Exchange Algorithm | Cryptography and Network Security](https://www.youtube.com/watch?v=_0vdcgwC5Zg&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=16&pp=iAQB) |
| 16 | [SSL Handshake Explained | What is SSL / TLS Handshake | SSL/TSL Handshake Protocol](https://www.youtube.com/watch?v=tKqSSOEjbgs&list=PLEiEAq2VkUULgKbiq9J4z517w8RV3-yJe&index=17&pp=iAQB) |
| **SOURCE: 02** | **Cryptography and System Security** |
| 01 | [Introduction to Cryptography and System Security](https://www.youtube.com/watch?v=10OFWdbHTGA&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=1&pp=iAQB) |
| 02 | [Security Goals | CIA Triad](https://www.youtube.com/watch?v=OASYLfIqF0M&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=2&pp=iAQB) |
| 03 | [OSI Security Architecture](https://www.youtube.com/watch?v=Jh445HH8BLM&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=3&pp=iAQB) |
| 04 | [Security Services in Cryptography](https://www.youtube.com/watch?v=eaji6xnUVks&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=4&pp=iAQB) |
| 05 | [Security Mechanism](https://www.youtube.com/watch?v=cM06qUKHNrQ&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=5&pp=iAQB) |
| 06 | [Security Attacks](https://www.youtube.com/watch?v=fBi_oWpD1F4&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=6&pp=iAQB) |
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| 08 | [Affine Cipher](https://www.youtube.com/watch?v=7JNO9hQ71_U&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=8&pp=iAQB) |
| 09 | [Vigenere Cipher](https://www.youtube.com/watch?v=GQrKEwLZcPY&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=9&pp=iAQB) |
| 10 | [Hill Cipher](https://www.youtube.com/watch?v=ytJAdBLNjn0&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=10&pp=iAQB) |
| 11 | [Playfair Cipher](https://www.youtube.com/watch?v=z4hrHlVvUu4&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=11&pp=iAQB) |
| 12 | [Keyed Transposition Cipher](https://www.youtube.com/watch?v=fLIBM0p2H8M&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=12&pp=iAQB) |
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| 14 | [Columnar Transposition Cipher](https://www.youtube.com/watch?v=K7Mth_55y9E&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=14&pp=iAQB) |
| 15 | [Symmetric Key Encryption | Symmetric Key Cryptography](https://www.youtube.com/watch?v=19z2LHCSbBc&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=15&pp=iAQB) |
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| 17 | [RSA Algorithm](https://www.youtube.com/watch?v=di3OXhHMZmI&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=17&pp=iAQB) |
| 18 | [Stream Cipher](https://www.youtube.com/watch?v=GAR8XWMTAKI&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=18&pp=iAQB) |
| 19 | [Block Cipher](https://www.youtube.com/watch?v=-t3QzQcWLd8&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=19&pp=iAQB) |
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| 21 | [Hash Functions](https://www.youtube.com/watch?v=0wFI04w345k&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=21&pp=iAQB) |
| 22 | [Properties of Has Functions](https://www.youtube.com/watch?v=kGFJAjLuts4&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=22&pp=iAQB) |
| 23 | [User and Entity Authentication](https://www.youtube.com/watch?v=SD1S4lNEL8k&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=23&pp=iAQB) |
| 24 | [Kerberos Authentication Protocol](https://www.youtube.com/watch?v=OuJe0d1NGaM&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=24&pp=iAQB) |
| 25 | [Network Security](https://www.youtube.com/watch?v=-tAy-X3DsOw&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=25&pp=iAQB) |
| 26 | [Packet Sniffing](https://www.youtube.com/watch?v=8JAALEF39ZU&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=26&pp=iAQB) |
| 27 | [ARP Spoofing](https://www.youtube.com/watch?v=fZL6uN8uXdE&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=27&pp=iAQB) |
| 28 | [IP Spoofing](https://www.youtube.com/watch?v=40gzPZX4QNw&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=28&pp=iAQB) |
| 29 | [Denial of Service Attack (DoS Attack)](https://www.youtube.com/watch?v=SNltfDv4ZiY&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=29&pp=iAQB) |
| 30 | [Distributed Denial of Service Attack (DDOS Attack)](https://www.youtube.com/watch?v=JsGFeqC2z4o&list=PLPIwNooIb9viexdR0fCeMwTThgZBx4lBJ&index=30&pp=iAQB) |

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| **SOURCE: 01** | **Cryptography and Network Security** |
| 01 | [Introduction to Cryptography and Network](https://www.youtube.com/watch?v=JoeiLuFNBc4&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=1&pp=iAQB) |
| 02 | [CIA Triad](https://www.youtube.com/watch?v=gx0vlRpdFnc&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=2&pp=iAQB) |
| 03 | [The OSI Security Architecture](https://www.youtube.com/watch?v=UG26SS9pjwE&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=3&pp=iAQB) |
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| 05 | [Security Services](https://www.youtube.com/watch?v=bRgL_Dry7uw&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=5&pp=iAQB) |
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| 07 | [Network Security Model](https://www.youtube.com/watch?v=zd0U1zNBYNk&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=7&pp=iAQB) |
| 08 | [Cryptography](https://www.youtube.com/watch?v=6_Cxj5WKpIw&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=8&pp=iAQB) |
| 09 | [Cryptography – Key Terms](https://www.youtube.com/watch?v=Xb4_VT4y9kQ&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=9&pp=iAQB) |
| 10 | [Cryptanalysis](https://www.youtube.com/watch?v=Kejs-saINOo&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=10&pp=iAQB) |
| 11 | [Brute Force Attack](https://www.youtube.com/watch?v=DoBqnt7Bf24&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=11&pp=iAQB) |
| 12 | [Classical Encryption Techniques](https://www.youtube.com/watch?v=UJiLgUtddlM&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=12&pp=iAQB) |
| 13 | [Caesar Cipher Part-1](https://www.youtube.com/watch?v=JtbKh_12ctg&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=13&pp=iAQB) |
| 14 | [Caesar Cipher Part-2](https://www.youtube.com/watch?v=na5rapg1XsI&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=14&pp=iAQB) |
| 15 | [Mono-alphabetic Cipher](https://www.youtube.com/watch?v=J-utjSeUq_c&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=15&pp=iAQB) |
| 16 | [Play-fair Cipher Part-1](https://www.youtube.com/watch?v=UURjVI5cw4g&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=16&pp=iAQB) |
| 17 | [Play-fair Cipher Part-2](https://www.youtube.com/watch?v=whEJfas9MAI&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=17&pp=iAQB) |
| 18 | [Play-fair Cipher (Solved Question)](https://www.youtube.com/watch?v=hHsUJxikM3g&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=18&pp=iAQB) |
| 19 | [Hill Cipher (Encryption)](https://www.youtube.com/watch?v=-EQ8UomTrAQ&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=19&pp=iAQB) |
| 20 | [Hill Cipher (Decryption)](https://www.youtube.com/watch?v=JK3ur6W4rvw&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=20&pp=iAQB) |
| 21 | [Polyalphabetic Cipher (Vigenere Cipher)](https://www.youtube.com/watch?v=Ic4BzVggNY8&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=21&pp=iAQB) |
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| 23 | [One Time Pad](https://www.youtube.com/watch?v=6iYqHn3q8sY&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=23&pp=iAQB) |
| 24 | [Rail Fence Technique](https://www.youtube.com/watch?v=knE4G8DGLoY&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=24&pp=iAQB) |
| 25 | [Row Column Transposition Ciphering Technique](https://www.youtube.com/watch?v=cPQXaYUMOjQ&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=25&pp=iAQB) |
| 26 | [Steganography](https://www.youtube.com/watch?v=Te8Cao2Smsk&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=26&pp=iAQB) |
| 27 | [LSB Steganography – Demo](https://www.youtube.com/watch?v=yNo58UiIMKU&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=27&pp=iAQB) |
| 28 | [Cryptograph (Solved Questions)](https://www.youtube.com/watch?v=3rT09fUVick&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=28&pp=iAQB) |
| 29 | [Abstract Algebra and Number Theory](https://www.youtube.com/watch?v=5PY2RvI_JnA&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=29&pp=iAQB) |
| 30 | [Prime Numbers in Cryptography](https://www.youtube.com/watch?v=5J3l894CiMI&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=30&pp=iAQB) |
| 31 | [Modular Arithmetic Part-1](https://www.youtube.com/watch?v=M42uDLGRSpI&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=31&pp=iAQB) |
| 32 | [Modular Arithmetic Part-2](https://www.youtube.com/watch?v=P7P03gg3msE&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=32&pp=iAQB) |
| 33 | [Modular Exponentiation Part-1](https://www.youtube.com/watch?v=_gYUlvcnjs0&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=33&pp=iAQB) |
| 34 | [Modular Exponentiation Part-2](https://www.youtube.com/watch?v=bg0P_3UiG5I&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=34&pp=iAQB) |
| 35 | [GCD – Euclidean Algorithm Method – 1](https://www.youtube.com/watch?v=yHwneN6zJmU&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=35&pp=iAQB) |
| 36 | [GCD – Euclidean Algorithm Method – 2](https://www.youtube.com/watch?v=svBx8u5bMEg&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=36&pp=iAQB) |
| 37 | [Relatively Prime (Co-Prime) Numbers](https://www.youtube.com/watch?v=csIL-mWTQss&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=37&pp=iAQB) |
| 38 | [Euler’s Totient Function (Phi Function)](https://www.youtube.com/watch?v=DwQ7-k9LkJ4&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=38&pp=iAQB) |
| 39 | [Euler’s Totient Function (Solved Examples)](https://www.youtube.com/watch?v=osge0_lZTaY&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=39&pp=iAQB) |
| 40 | [Fermal’s Little Theorem](https://www.youtube.com/watch?v=3Cb0ys-jppU&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=40&pp=iAQB) |
| 41 | [Euler’s Theorem](https://www.youtube.com/watch?v=DyOv20d4c70&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=41&pp=iAQB) |
| 42 | [Primitive Roots](https://www.youtube.com/watch?v=DKy98FWHwdg&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=42&pp=iAQB) |
| 43 | [Multiplicative Inverse](https://www.youtube.com/watch?v=YwaQ4m1eHQo&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=43&pp=iAQB) |
| 44 | [Extended Euclidean Algorithm (Solved Example 1)](https://www.youtube.com/watch?v=lq285DDdmtw&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=44&pp=iAQB) |
| 45 | [Extended Euclidean Algorithm (Solved Example 2)](https://www.youtube.com/watch?v=6AUkmf1BYJ0&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=45&pp=iAQB) |
| 46 | [Extended Euclidean Algorithm (Solved Example 3)](https://www.youtube.com/watch?v=0cUV_x0do2c&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=46&pp=iAQB) |
| 47 | [The Chinese Remainder Theorem (Solved Example 1)](https://www.youtube.com/watch?v=e8DtzQkjOMQ&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=47&pp=iAQB) |
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| 49 | [The Discrete Logarithm Problem](https://www.youtube.com/watch?v=za9azzh4v9A&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=49&pp=iAQB) |
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| 51 | [Prime Factorization (Fermat’s Factoring Method)](https://www.youtube.com/watch?v=tKTNVmnW_4w&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=51&pp=iAQB) |
| 52 | [Testing for Primality (Fermat’s Test)](https://www.youtube.com/watch?v=sDrXeCs3ghQ&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=52&pp=iAQB) |
| 53 | [Testing for Primality (Miller-Rabin Test)](https://www.youtube.com/watch?v=8i0UnX7Snkc&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=53&pp=iAQB) |
| 54 | [Group and Abelian Group](https://www.youtube.com/watch?v=8TjYHK804mU&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=54&pp=iAQB) |
| 55 | [Cyclic Group](https://www.youtube.com/watch?v=OGCRccWi4OE&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=55&pp=iAQB) |
| 56 | [Rings, Fields and Finite Fields](https://www.youtube.com/watch?v=oBL-Cb5GxA0&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=56&pp=iAQB) |
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| 60 | [Single Round of DES Algorithm](https://www.youtube.com/watch?v=nynAQ593HdU&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=60&pp=iAQB) |
| 61 | [The F Function of DES (Mangler Function )](https://www.youtube.com/watch?v=OePPcJR--F4&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=61&pp=iAQB) |
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| 63 | [Avalanche Effect and The Strength of DES](https://www.youtube.com/watch?v=kF_h9gl-vyw&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=63&pp=iAQB) |
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| 68 | [AES Key Expansion](https://www.youtube.com/watch?v=0RxLUf4fxs8&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=68&pp=iAQB) |
| 69 | [AES Security and Implementation Aspects](https://www.youtube.com/watch?v=oQuBvLAKUM8&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=69&pp=iAQB) |
| 70 | [Multiple Encryption and Triple DES](https://www.youtube.com/watch?v=4R_kocR1roM&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=70&pp=iAQB) |
| 71 | [Block Cipher Modes of Operation](https://www.youtube.com/watch?v=VmNk-6GTqRE&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=71&pp=iAQB) |
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| 73 | [Cipher Block Chaining (CBC)](https://www.youtube.com/watch?v=nnQONZ_DRyk&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=73&pp=iAQB) |
| 74 | [Cipher Feedback (CFB)](https://www.youtube.com/watch?v=c_9MABuOVJI&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=74&pp=iAQB) |
| 75 | [Output Feedback (OFB)](https://www.youtube.com/watch?v=OGdBTfouuao&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=75&pp=iAQB) |
| 76 | [Counter Mode (CTR)](https://www.youtube.com/watch?v=zX0PZtqerCI&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=76&pp=iAQB) |
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| 78 | [Pseudorandom Number Generator (PRNG)](https://www.youtube.com/watch?v=q2XVhTWJ-Oo&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=78&pp=iAQB) |
| 79 | [Golomb’s Randomness Postulates](https://www.youtube.com/watch?v=6agTBs3c89o&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=79&pp=iAQB) |
| 80 | [Public Key Cryptography | Cryptography and Network Security](https://www.youtube.com/watch?v=LaZ3It6pbWE&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=80&pp=iAQB) |
| 81 | [Hash Function and Digital Signatures | Cryptography and Network Security](https://www.youtube.com/watch?v=8dWQvVphDKQ&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=81&pp=iAQB) |
| 82 | [System Practices and System Security | Cryptography and Network Security](https://www.youtube.com/watch?v=iZZu7Sp1RPA&list=PLBlnK6fEyqRgJU3EsOYDTW7m6SUmW6kII&index=82&pp=iAQB) |