# Cybersecurity Foundations

with Malcolm Shore

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## Course Links

| Chapter | Video | Resource Title | URL |
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| Introduction | What you should know | ISACA | https://www.isaca.org/resources/cobit |
| | | NIST | http://www.nist.gov/cyberframework/ |
| Cyber Threats | Pre-cyber threats | TakeDown | http://www.takedown.com/ |
| | Emergence of cyber threats | Information Is Beautiful – World's Biggest Data Breaches and Hacks | https://www.informationisbeautiful.net/visualizations/worlds-biggest-data-breaches-hacks/ |
| | Understanding the Cyber Kill Chain | Intelligence-Driven Computer Network Defense Informed by Analysis of Adversary Campaigns and Intrusion Kill Chains | https://www.lockheedmartin.com/content/dam/lockheed-martin/rms/documents/cyber/LM-White-Paper-Intel-Driven-Defense.pdf |
| | | Lockheed Martin Cyber Emergency Response Team | https://www.lockheedmartin.com/en-us/capabilities/cyber/cyber-kill-chain.html |
| Frameworks for Protection against Cyber Threats | | | |
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| | Cybersecurity control framework | NIST SP 800-53 Rev. 5: Security and Privacy Controls for Information Systems and Organizations | https://csrc.nist.gov/publications/detail/sp/800-53/rev-5/final |
| | | PCI Data Security Standard | https://listings.pcisecuritystandards.org/documents/PCI-DSS-v4_0.pdf |

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| | | ISO/IEC 27002 | https://www.iso.org/standard/75652.html |
| | Cybersecurity Standard of Good Practice | Standard of Good Practice for Information Security | https://www.securityforum.org/solutions-and-insights/standard-of-good-practice-for-information-security-2020/ |
| | | Good Practices – Information Security | https://www.dnb.nl/media/yffn1wji/good-practice-ib-2019-2020.pdf |
| Making Cybersecurity Effective | | Why Security Is a Business Issue | https://www.dsisecurity.com/2021/06/15/why-security-is-a-business-issue/ |
| | Architecting for security | Enterprise Security Architecture – A Top-Down Approach | https://www.isaca.org/resources/isaca-journal/issues/2017/volume-4/enterprise-security-architecturea-top-down-approach |
| | Protecting payment card data | The Heartbleed Bug | https://www.malwarebytes.com/blog/news/2019/09/everything-you-need-to-know-about-the-heartbleed-vulnerability |
| | | Card Skimming Scam | http://www.scambusters.org/skimming.html |
| | | World's Biggest Data Breaches & Hacks | https://informationisbeautiful.net/visualizations/worlds-biggest-data-breaches-hacks/ |
| | | PCI Security Standards | https://www.pcisecuritystandards.org/security_standards/ |
| | Clouding the issues | CSA Security Guidance for Critical Areas of Focus in Cloud Computing v4.0 | https://cloudsecurityalliance.org/artifacts/security-guidance-v4/ |
| | | Cloud Controls Matrix v3.0.1 Info Sheet | https://cloudsecurityalliance.org/artifacts/cloud-controls-matrix-v3-0-1-info-sheet |
| | Securing things on the internet | Common Criteria | https://www.commoncriteriaportal.org/ |

| | | Cybersecurity Magazine – What Exactly Is Security Assurance? | https://cybersecurity-magazine.com/what-exactly-is-security-assurance/ |
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| Detecting and Managing Cyber Incidents | Incident management basics | Forum of Incident Response and Security Teams (FIRST) | https://www.first.org/about/history |
| | | Cybersecurity & Infrastructure Security Agency | https://www.cisa.gov/uscert |
| | | FIRST Conference | https://www.first.org/conference/ |
| | Measuring incident management maturity | CREST Cyber Security Incident Response Maturity Assessment | https://www.crest-approved.org/approved-services/cyber-security-incident-response-maturity-assessment/ |
| | | Financial Services Information Sharing and Analysis Center (FS-ISAC) | https://www.fsisac.com/ |
| | | Structured Threat Information eXpression (STIX) 1.x Archive Website | https://stix.mitre.org/ |
| | | TheHive Project | https://thehive-project.org/ |
| | | European Union Agency for Cybersecurity (ENISA) | https://www.enisa.europa.eu/topics/training-and-exercises/trainings-for-cybersecurity-specialists |
| Cyber Diplomacy | Cybersecurity goes global | ICANN – Will There Really Be a New Russian Internet? | https://www.icann.org/ar/blogs/details/will-there-really-be-a-new-russian-internet-11-1-2008-en |
| | | Torfox – The Great Firewall of China: Background | https://cs.stanford.edu/people/eroberts/cs181/projects/2010-11/FreedomOfInformationChina/the-great-firewall-of-china-background/index.html |

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| | Understanding cyber norms | UN General Assembly– Developments in the Field of Information and Telecommunications in the Context of International Security | http://un.org/disarmament/ict-security |
| | | UN Office for Disarmament Affairs – Cyberdiplomacy | http://cyberdiplomacy. disarmamenteducation.org/home |
| | Cybil and the Global Forum on Cyber Expertise | Global Forum on Cyber Expertise (GFCE) | https://thegfce.org/ |
| | | Cybill Tools & Publications | https://cybilportal.org/publications/ |
| | | Cybil Projects | https://cybilportal.org/projects/?_sft_country=cambodia |
| | The Traffic Light Control (TLP) | ENISA – Considerations on the Traffic Light Protocol | https://www.enisa.europa.eu/topics/csirts-in-europe/glossary/considerations-on-the-traffic-light-protocol |
| Conclusion | What's next | LinkedIn Learning Security Courses | https://www.linkedin.com/learning/topics/security-3 |
| | | LinkedIn Learning Instructor Malcolm Shore | https://www.linkedin.com/learning/instructors/malcolm-shore |