

CSX Fundamentals

- Introduction to Cybersecurity
 - a. Cybersecurity objectives
 - b. Cybersecurity roles
 - c. Differences between Information Security & Cybersecurity
- Cybersecurity Principles
 - a. Confidentiality, integrity, & availability
 - b. Authentication & nonrepudiation
- Information Security (IS) within Lifecycle Management
 - a. Lifecycle management landscape
 - b. Security architecture processes
 - c. Security architecture tools
 - d. Intermediate lifecycle management concepts
- Risks & Vulnerabilities
 - a. Basics of risk management
 - b. Operational threat environments
 - c. Classes of attacks
- Incident Response
 - a. Incident categories
 - b. Incident response
 - c. Incident recovery
- Future Implications & Evolving Technologies
 - a. New & emerging IT & IS technologies
 - b. Mobile security issues, risks, & vulnerabilities
 - c. Cloud concepts around data & collaboration