

Cybersecurity Initial 2026 Course Outline

Exchange Analytics Cybersecurity Initial course has been developed to heighten your understanding of Cybersecurity risks, trends, requirements, and best practices. Leading cybersecurity expert Bob Bigman, who spent several decades dealing with cybersecurity matters at the U.S. Central Intelligence Agency, including approximately 15 years as its Chief Information Security Officer, shares his knowledge and experience of cybersecurity awareness and diligence in a series of videos included in this course.

- I. The Importance of a Good Cybersecurity Program
 - a. Cybersecurity Program Objectives
 - b. Cybersecurity Challenges: Increasingly Sophisticated Cyber Activity
 - c. Cybersecurity Challenges: Human Behavior
 - d. Participation by Everyone
 - e. Characteristics of a Strong Cybersecurity Program
- II. Regulatory Requirements
 - a. CFTC
 - b. FINRA
 - c. NFA
 - d. SEC
- III. Cybersecurity Risks
 - a. Common Cyber Risks
 - i. Insecure Passwords
 - ii. Viruses, Worms & Trojans
 - iii. Spyware
 - iv. Spoofing
 - v. Lost, Stolen or Obsolete Hardware
 - vi. Stolen Identification
 - vii. Physical Access to Systems
 - viii. Remote Access
 - ix. Keystroke Logger
 - x. Credential Recycling
 - b. Business Email Compromise
 - c. Ransomware
 - d. 7 Types of Cyber Attacks
- IV. Prepare & Prevent
 - a. Computer Security
 - b. Device Management

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- c. Mobile Devices
- d. System Administration Security and Role Segregation
- e. Implementing Non-Technical Controls
- f. Implementing Technical Controls
- g. Managing Social Media Risks
- h. Artificial Intelligence Risks
- i. Using Artificial Intelligence - Regulator Expectations
- j. AI Risks
 - i. Associated with AI used by Cyber-Criminals
 - ii. Associated with AI used by Financial Firms
- V. Responding to a Cyber Incident
 - a. Best Practices: Reporting and Responding to a Cyber Incident
 - b. Responding to a Cyber Incident: Identification
 - c. Responding to a Cyber Breach: Investigate, Contain & Restore
- VI. Optional Learning - Managing Cyber Programs at Small Businesses
- VII. Quiz