Advancing Your IT Auditing Skills:
Taking the Next Step in Accelerating your Knowledge

Course Schedule – Topics & Activities

Day One

- Overview
  - IT Audit Risks
  - Assessing IT Risk
  - Designing IT Controls
  - Business Process Controls
  - General IT Controls

- Standards
  - COBIT
  - ISO/IEC 27001
  - NIST SP-800s
  - SANS
  - Center for Internet Security (CIS)

- Regulations
  - Sarbanes-Oxley
  - HIPAA/HITECH
  - Privacy & GDPR & CCPA

- Networking Basics
  - Defining types of networks
  - OSI model
  - TCP/IP

Day Two

- Networking Risks & Controls
  - Remote access and authentication
  - Common vulnerabilities
  - Tools & resources

- Operating System Basics
  - OS Functions

- UNIX/Linux: risks & controls
  - Access control
  - Authentication
  - Key configurations
  - Change control
Day Three

- Windows Server 2012/2016: risks & controls
  - Access control
  - Authentication
  - Key configurations
  - Change control

- Database Basics
  - Database Management Systems (DBMS)
  - Relational databases
  - Database design

- Oracle Database: risks & controls
  - Access control
  - Authentication
  - Roles
  - Privileged accounts

Day Four

- SQL Database: risks & controls
  - Access control
  - Authentication
  - Roles
  - Privileged accounts

- Introduction to Encryption Methods

- Introduction to Mobile Devices

- Putting it All Together
  - Risk assessments
  - Audit planning & scoping
  - Reporting
  - Ongoing monitoring

*Topics and activities may vary by class and instructor.*