



Advanced Security Practitioner (CASP)

Description: This class teaches the student the key concepts to work as a enterprise security team member. You will focus on enterprise security risk management, policies and procedures, legalities research, and analysis integration of computing. You will also cover communications and business disciplines. This class will prepare you for the Industry CASP exam with confidence, using a combination of hands-on labs and lectures by seasoned security practitioners. The Advanced Security Practitioner (CASP) Certification is an industry exam that is available from authorized testing centers.

Session 1: The Enterprise Security Architecture

- The Basics of Enterprise Security
- The Enterprise Structure
- Enterprise Security Requirements

Session 2: Enterprise Security Technology

- Common Network Security Components and Technologies
- Communications and Collaboration Security
- Cryptographic Tools and Techniques
- Advanced Authentication

Session 3: Enterprise Resource Technology

- Enterprise Storage Security Issues
- Distributed, Shared, and Virtualized Computing
- Cloud Computing and Security

Session 4: Security Design and Solutions

- Network Security Design
- Conduct a Security Assessment
- Host Security

Session 5: Application Security Design

- Application Security Basics
- Web Application Security

Session 6: Managing Risk, Security Policies, and Security Procedures

- Analyze Security Risk
- Implement Risk Mitigation Strategies and Controls
- Implement Enterprise-Level Security Policies and Procedures
- Prepare for Incident Response and Recovery

Session 7: Enterprise Security Integration

- The Technology Life Cycle
- Inter-Organizational Change
- Integrate Enterprise Disciplines to Achieve Secure Solutions

Session 8: Security Research and Analysis

- Perform an Industry Trends and Impact Analysis
- Perform an Enterprise Security Analysis