Security Analyst, Part 3 of 4: Penetration Testing

Meet the expert: Don Bowers has been in the computer industry for over 36 years as a database programmer and an information systems and security analyst. Don’s primary focus over the last 10 years has been in the area of information security and digital forensics. Don currently serves as an Assistant Professor and the Program Chair for the Cybersecurity program at the College of Western Idaho. As well as being an associate professor Don also holds the distinction of being a Certified EC-Council Instructor. Don holds several industry certifications including MCITP Enterprise, MCSE + Security, CISSP, CISA, CEH, CHFI, ECSA (EC-Council Security Analysis), LPT (Licensed Penetration Tester) and ACE (AccessData Certified Examiner).

Prerequisites: In order to maximize you leaning experience when taking this course, the following prerequisites are highly recommended:

Security + Certification, knowledge of CEH (Certified Ethical Hacker), knowledge of
CHFI (Computer Hacking Forensic Investigator) and the CBK (Common Body of Knowledge) associated with the CISSP and CISA certifications are also very helpful.

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Course description: This course focuses on Penetration testing. It starts off with how to create a plan, and execute deliverables. Next, it covers the planning phase as well as developing a team of testers. Finally, it goes through the penetration testing checklist for carrying out a successful penetration test.

Course outline:

Penetration Test Plan
- Introduction
- Penetration Test Plan and Purpose
- Content of a Test Plan
- Test Plan Identifiers
- Test Deliverables
- Summary

Penetration Test Phases
- Introduction
- Penetration Testing Planning Phases
- Schedule
- Develop a Well-Qualified Team of Testers
- Hardware and Software Requirements
- Summary

Penetration Test Checklist
- Introduction
- Pre-Penetration Testing Checklist 1-5
- Pre-Penetration Testing Checklist 6-11
- Pre-Penetration Testing Checklist 12-17
- Pre-Penetration Testing Checklist 18-23
- Pre-Penetration Testing Checklist 24-29
- Pre-Penetration Testing Checklist 30-34
- Pre-Penetration Testing Checklist 35-40
- Summary