Continuing Professional Development

Cyber Scheme Team Member (CSTM)

In partnership with IRM our **five day** course is designed to help qualify penetration testers to test on government and commercial systems, which alongside gaining security clearance will support obtaining CHECK Team Member status. The course allows students to learn and practice current techniques used by industry qualified cyber-security penetration testers when conducting engagements in real world environments.

It includes the theory, as well as immersive, hands-on demonstrations and exercises of security assessment skills in four days, with the fifth day dedicated to assessments. It can be delivered at the PGI Cyber Academy in Bristol or in some circumstance can be delivered at client premises for group bookings. The course covers the following topics:

- History of Hacking
- Risk and Risk Management
- Information Security Management Metrics
- Models of Information Security & Security Standards
- The Law and Legalities associated with Penetration Testing
- Cryptography
- Penetration Testing Methodology & Scoping
- OSI 7 Layer Model
- Networking Fundamentals
- Recon & Information Gathering
- Port-scanning & Network Enumeration
- Common Security Issues

Aim

Increase knowledge of current ethical hacking techniques using hands-on penetration testing skills in a safe environment, whilst gaining a qualification to progress to the CHECK Team Member status.

Who Should Attend?

- IT professionals who wish to understand ethical hacking techniques and perform tasks in vulnerable environments.
- It is recommended that you have an in-depth knowledge of networking and the TCP protocol, as well as some familiarity or experience using the command line and Linux.

Learning Objectives

- Information security in the corporate world
- Develop an understanding of ethics and criminal law in relation to ethical hacking
- Understand the soft skills required by a penetration tester
- Network device management and exploitation
- Service enumeration
- Service topology/dependency mapping
- Service management and exploitation
- Application enumeration and profiling
- Application and operating system management
- Application and operating system exploitation and manipulation
- Conducting penetration testing engagements

CYBER SCHEME

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