Cyber Security - An Introduction

Category: Networking & Security | **Vendor:** Various

Duration: 8.00 hours (1 days) **6.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

The World Wide Web and the Internet are fantastic places to converse, conduct business, do research, or simply relax and play a few games. But unfortunately, it's also a place where some individuals would like to create havoc by committing fraud, identity theft, robbery, or to commit more serious crimes such as terrorism. This course looks at the world of Cyber security by examining the types of attacks these ner-do-wells use breach organisational defences and compromise systems.

The course then takes a high-level look at how organisations can protect against such attacks by describing how to build, operate and maintain a comprehensive set of security controls.

This course will provide you with an introduction to cyber security, hackers, hacking techniques and terminology

About This Course

The World Wide Web and the Internet are fantastic places to converse, conduct business, do research, or simply relax and play a few games. But unfortunately, it's also a place where some individuals would like to create havoc by committing fraud, identity theft, robbery, or to commit more serious crimes such as terrorism. This course looks at the world of Cyber security by examining the types of attacks these ner-do-wells use breach organisational defences and compromise systems.

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Who Should Attend

This course is suitable for IT professionals looking to understand more about online security, but is also a good introductory course for those from a non-IT background who need to understand more about the protection of corporate systems and data

Prerequisites & Entry Requirements

General Prerequisites:

There are no pre-requisites to attending this course, although attendance of the 'Fundamentals of Networking and the Internet' and the 'Understanding the WWW' courses would give an advantage.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

At the end of this course you will be able to:

- Describe the threats faced by organisations and individuals by hackers
- Define the different classifications of Malware
- Describe what DoS and DDos attacks are
- Describe the stages of a hacking attack, including footprinting, social engineering, port scanning, network sniffing, and more.
- Describe the basics of Information Security and how to build an Information Security Management System (ISMS)
- Describe how to deploy Information Security controls within a network to defend against attack

Detailed Course Outline

Module 1 - Understanding the threats

This module concentrates on understanding the threats we face by defining what hackers are, their motivations, and the tools they use. This section takes a look at the processes involved in a hacking attack. Delegates will learn about footprinting, port scanning, network sniffing, phishing, social engineering, dumpster diving and physical attacks.

Module 2 - The basics of Information Security

This module is dedicated to understanding the basics of Information Security and looks at how an organisation might approach the task of securing their networks against attacks. In this section, delegates will learn about the CIA triad, the creation of an ISMS, risk management, the implementation of security controls, penetration testing and incident management.

Further training

After attending this course, delegates would be well placed to attend the more in-depth 5-day 'IT Security Fundamentals' course.

Skills You Will Learn:

At the end of this course you will be able to:

- Describe the threats faced by organisations and individuals by hackers
- Define the different classifications of Malware
- Describe what DoS and DDos attacks are
- Describe the stages of a hacking attack, including footprinting, social engineering, port scanning, network sniffing, and more.
- Describe the basics of Information Security and how to build an Information Security Management System (ISMS)
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Frequently Asked Questions

Q: What delivery options are available for Cyber Security - An Introduction?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 1-day Cyber Security - An Introduction course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Cyber Security - An Introduction training?

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Cyber Security - An Introduction?

Yes, we provide corporate training, dedicated training, and closed classes for Cyber Security - An Introduction. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Cyber Security - An Introduction, CyberSecurity, CSI

Q: Why choose Nexus Human for Cyber Security - An Introduction?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Cyber Security - An Introduction training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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