IT and Cyber Security Training Courses
Spring 2016

Protection Through Knowledge, Skills, Practice

IT Security Training at the Institute of Public Administration

Our IT security training helps IT professionals to protect organisations by building their knowledge of risks and the practical skills that can help mitigate risk.

Since 1957 we have built a strong reputation in educating and training the public and private sectors across Ireland and developed an impressive range of academic relationships with major IT associations and brands. As such, trainees benefit from our academy status as:

- (ISC)² Academic Partner
- A Microsoft IT Academy
- A CompTia Academy
- A VMWare IT Academy
- An EMC Academic Alliance

Our Courses

All courses are delivered by experienced IT security trainer Tom Brett from dedicated IT facilities in Dublin 4 equipped with the latest computer networking equipment. Our Spring season focusses on:

- Introduction to Ethical Hacking
- CompTia Advanced Security Practitioner (CASP)
- CompTia Security+ Course
- MTA Security Fundamentals
- MTA Network Fundamentals

About the Trainer

Tom Brett is one of Ireland's most experienced IT lecturers and trainers. Tom has over 20 years experience delivering high quality learning and training for the Institute of Public Administration in conjunction with UCD.

Introduction to Ethical Hacking

Expert-led workshop that rapidly improves student's knowledge of hacking threats and vulnerabilities.

This one-day workshop focusses on key insights into the processes and some of the tools used by hackers when they seek to find vulnerabilities within an organisation.

The workshop is designed for IT staff who:

• Wish to learn the fundamentals of ICT security
• Are already in an ICT security role working in an administrative or similar capacity and who wish to build on their practical experience

Workshop Outline

• Introduction to and goals of Ethical Hacking
• Laws and Ethics
• Methodologies and Techniques
• What vulnerabilities are and how to learn from them
• The tools used within Ethical Hacking
• Practical exercises on foot-printing, scanning and enumeration

Course Duration and Dates

Full Day Course
31st March
22nd April
2016

The cost of this one day workshop is €600.
A 10% discount will apply to all courses booked before 31st March 2016.
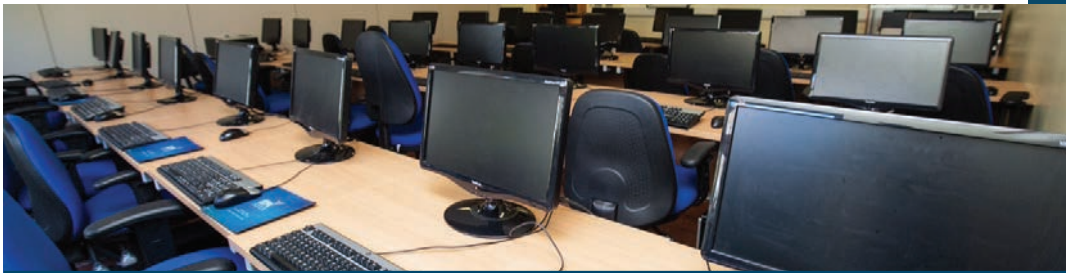
CompTia Advanced Security Practitioner (CASP)

The CASP training programme is designed for advanced IT security personnel. Recommended for IT professionals with at least 5 years of experience, this course certifies critical thinking and provides solution focused training to professionals working within an increasingly complex and challenging security environment.

Prerequisites: 10 years experience in IT administration, including at least 5 years of hands-on technical security experience.

The course prepares students for the CompTIA Advanced Security Practitioner exam CAS-002.

Course Outline

- High level network security
- Compliance and operational security
- Understanding and identifying threats and vulnerabilities
- Dealing with custom hacks and brute force attacks
- Cyber attacks
- Cryptography

Course Duration and Dates

5 Day Course
9th-13th May 2016

The cost of this course is €1950.
A 10% discount will apply to all courses booked before 31st March 2016.

CompTia Security+ Course

Network security is an essential part of modern IT risk management. The CompTia Security+ course enables you to understand the core principles in securing a network and managing risk. The course is highly regarded by IT-related employers and validates your knowledge in IT security.

The course prepares students for the CompTia Security+ Exam SY0-401.

Course Outline

The comprehensive course covers a wide range of network security issues from access control, identity management and cryptography through to the choice of suitable mitigation and deterrent techniques to address network threats. Modules include:

- Network Security
- Compliance and operational security
- Threats and vulnerabilities
- Application, data and host security
- Access control and identity management
- Cyber attacks
- Cryptopraphy

Course Duration and Dates

5 Day Course 16th-20th May 2016

The cost of this course is €1950.
A 10% discount will apply to all courses booked before 31st March 2016.

Microsoft Technology Associate - Security Fundamentals

The MTA Security Fundamentals course helps you develop an understanding of Security Layers, Operating System Security, Network Security, Security Software.

The entry-level course is aimed at those:

- Who wish to learn the fundamentals of ICT security, as the stepping stone to a career in IT security
- Already in an ICT security role working in an administrative or similar capacity and who wish to work towards a formal qualification or move into a role in security

Course outline:

- Understanding Security Layers
- Authentication, Authorization, and Accounting
- Understanding Security Policies
- Understanding Network Security
- Protecting the Server and Client

The cost of this course is €1350.
A 10% discount will apply to all courses booked before 31st March 2016.

Course Duration and Dates

3 Day Course
6th-8th April
25th-27th May
2016

Microsoft Technology Associate - Network Fundamentals

An entry-level introductory course and certification designed to help individuals become an IT professional or developer. MTA gives individuals a full understanding of fundamental network concepts and provides a great base for anyone who wants to start a career in IT.

The course prepares students for the Microsoft Technology Associate Network Fundamentals Exam 98-366.

Course Outline

- Local Area Networking
- Defining Networks with the OSI Model
- Understanding Wired and Wireless Network and Internet Protocol
- Implementing TCP/IP in the Command Line
- Working with Networking Services
- Understanding Wide Area Networks
- Defining Network Infrastructures and Network Security

The cost of this course is €1350.
A 10% discount will apply to all courses booked before 31st March 2016.

Course Duration and Dates

3 Day Course
11th-13th April 2016

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BOOKINGS

To book any of these courses, please contact the following or book online via the IPA website:

Central Bookings Office, Institute of Public Administration
57-61 Lansdowne Road, Ballsbridge, Dublin 4 D04 TC62

Tel: 01 240 3666 | Email: training@ipa.ie
www.ipa.ie