



# MICE Training & Education™

*"Nibbling @technology a byte at a time!"*

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## PCS 101: Introduction to PC Security Online Course Syllabus

### Module 01

While it is true we have entered the Age of Information, as a society we have not entered the Age of Integrity. The gap between the two creates a vulnerable position for you and any other person using the Internet, e-mail, and networks to share information. Because of this position, learning how to protect yourself, your family and your data is more important than ever. You will learn the myth vs. facts about PC security first. Then, I will introduce you to the language of security and explain what you need to know about each acronym. By the end of this module, you will also be able to assess your own risk, whether you are an individual or manage a network of any size. You will also perform a self-assessment to evaluate just how vulnerable you are to security flaws!

### Module 02

If you ever wondered what technical gurus are speaking about when they talk about LANs, WANs, VPNs, and P2P, you will find the detailed answers in this module. Can't tell the difference between a modem and a network card? You won't be able to say that after this! While you may not be able to keep up a full conversation about authentication and encryption, you will at least understand most of the general talk at the next technical staff meeting. Either way, you will learn the basics of networks and how your PC connects to them!

### Module 03

Most of us don't stop to think about how it is that a Mac can talk to a PC and vice versa. Yet, different PC's talk to each other on a daily basis across networks. They also talk to printers, fax machines and a host of other devices. The OSI model for network connections is what enables you to do accomplish this and you will learn it here. I will also teach you how, why, and where the weak links of security are in software and operating systems.

### Module 04

Are you ready to put on a disguise and go under-cover? If so, get ready because we are going to investigate the world of viruses, worms and blended threats. You will learn what they are and the differences between all three. I will also show you why people create them and where they come from. Of course, all this knowledge will also teach you how to protect yourself and your network from accomplishing their mission!

### Module 05

You have an open invitation to the ware's family reunion in this module! Who is the ware family? They are the family of products that have been downloading themselves onto your computer without your consent or knowledge; spyware, scumware, malware, crimeware, and adware. You know the type – hijack your browser, give you porn pop-up ads, and use your PC resources. You will meet them and learn all about their family traits and values. I will also show you where they live, places they frequent, and how to remove the unwelcome guests that inhabit your PC.



### **Module 06**

You may have heard of them, vulnerabilities, exploits and exposure. But what are they? Have you ever wondered if someone really can control your computer without your knowledge? If these are some of the questions you've pondered recently, then your answers are here. You will learn all about these top security issues, while learning how to protect yourself, your family, your data and your networks!

### **Module 07**

You may want to check out this module before you grab your laptop and run off to the next Internet café! What you learn here may surprise you. While laptops and wireless are a sign of the times, these two technologies are not as secure as they appear to be. You will understand why in this complete module on wireless!

### **Module 08**

The course is over. What's next? The burden of keeping on top of security issues is now up to you. But how do you do it with the overwhelming amount of information that's available? Have no fear for I will show you a simple method of staying up-to-date with security issues that only pertain to you. You will also learn about emerging security technology that you will see within come to market within the next year or so. I will also show you sources to use that will help make the job of managing and securing your network easier. There's also a handy checklist available to help in that task! Finally, you can test yourself against the first security assessment to see how well you've done in securing your kingdom – I mean network!