SAULT STE. MARIE INNOVATION CENTRE

SAULT COLLEGE

IT Certification Boot Camps

CISCO, MICROSOFT, INFOSEC, LPI, OGC, HealthIT

Current Certifications from Companies You Know

Their Curriculum – Their Instructors – Local Classrooms – Attractively Priced

July 11 -22, 2011

Today's IT workers and their employers are faced with a rapidly changing landscape where in many knowledge domains, in as little as three years, 50% of what we know is invalidated or replaced by new technologies and new accepted best practices. The world is moving at Internet speeds and end users are rapidly becoming more sophisticated with ever increasing expectations from their IT systems. As IT workers, we're all scrambling to stay caught up.

At the same time, the IT world is becoming increasingly hostile from a security perspective where intruders attempt to steal both money and intellectual property, including the identify theft of both employees and customers. It's a harsh world and it's up to us to stay on our toes and keep up to date with our knowledge, practices and technology.

Sault College and the Sault Ste. Marie Innovation Centre are pleased to offer the following series of high level and very current courses from IT industry leaders: CISCO, Microsoft, InfoSEC, LPI, OGC and HealthIT.

These courses are condensed "boot camps" for experienced IT workers and IT managers. They are intensive (working straight through weekends in some cases) and will be taught by some of the top IT instructors from across North America using the latest courseware and carefully tested and refined instructional methods. This is refined, hard core training.

Not only will students benefit from learning the latest technology and practices, but they'll have the opportunity to earn the credentials to prove their skills to others. As part of each course, students will be writing one or more industry certification exams. These certifications are highly regarded by employers and customers alike.

The boot camps offer you the opportunity to get trained for a fraction of the cost of attending these same courses in either Toronto or the US. Sault College is subsidizing the courses and together with SSMIC offering them locally, thus reducing the cost of the actual training while avoiding the added expense and inconvenience of travel and hotels.

Register early to assure your position in class. Enrolment is extremely limited.

For more information please contact:

Sault College Continuing Education
(705) 759-6700
(800) 461-2260

Sault Ste. Marie Innovation Centre
(705) 942-7927

Certified Ethical Hacker - C|EH V7

InfoSec Academy / EC Council
5 Days - $2695

The goal of the CEH Version 7 course is to immerse the students into an interactive environment where they will be shown how to scan, test, hack and secure their own systems. The lab-intensive environment gives each student in-depth knowledge and practical experience with the current essential security systems. This is the most advanced Ethical Hacking training program in the world – Engineered by hackers, presented by Professionals. The CEH class deals with real life scenarios and real threats by real life experts in the field. Get access to over 60 GB of tools and over 4,000 pages of courseware designed as reference material to be used long after the course has concluded. "The bottom line with this program is that we hope the work starts when the class is over. So I think it is important to teach students how to use the material more so than expecting them to memorize all of it in a short time"

Who should attend?

This course will significantly benefit security officers, auditors, security professionals, site administrators, and anyone who is concerned about the integrity of their network infrastructure.

Knowledge Domains Covered

1. Introduction to Ethical Hacking
2. Hacking Laws
3. Footprinting
4. Google Hacking
5. Scanning
6. Enumeration
7. System Hacking
8. Trojans and Backdoors
9. Viruses and Worms
10. Sniffers
11. Social Engineering
12. Phishing
13. Hacking Email Accounts
14. Denial of Service
15. Session Hijacking
16. Hacking Webservers
17. Web Application Vulnerabilities
18. Web Based Password Cracking Techniques
19. SQL Injection
20. Hacking Wireless Networks
21. Physical Security
22. Linux Hacking
23. Evading IDS, Honeypots and Firewalls
24. Buffer Overflows
25. Cryptography
26. Penetration Testing Methodologies

Computer Hacking Forensic Investigator - CHFI

InfoSec Academy / EC Council
5 Days - $2695

Computer hacking forensic investigation is the process of detecting hacking attacks and properly extracting evidence to report the crime and conduct audits to prevent future attacks. Computer forensics enables the systematic and careful identification of evidence in computer related crime and abuse cases. This may range from tracing the tracks of a hacker through a client's systems, to tracing the originator of defamatory emails, to recovering signs of fraud or document theft.

The CHFI course will provide participants the necessary skills to identify an intruder's footprints and to properly gather the necessary evidence to prosecute in the court of law.

Who should attend?

IT managers, systems administrators, police and other law enforcement personnel, defense and military personnel, e-business security professionals, legal professionals, Government agencies, banking, insurance and other professionals.

Knowledge Domains Covered

1. Computer Forensics in Today's World
2. Computer Forensics Investigation Process
3. Digital Evidence
4. First Responder Procedures
5. Incident Handling
6. Computer Forensics Lab
7. Understanding Hard Disks and File Systems
8. Digital Media Devices
9. Windows Linux Macintosh Boot Process
10. Windows Forensics I
11. Windows Forensics II
12. Linux Forensics
13. Mac Forensics
14. Data Acquisition and Duplication
15. Recovering Deleted Files and Deleted Partitions
16. Forensics Investigations Using AccessData FTK
17. Forensics Investigations Using Encase
18. Steganography
19. Image Files Forensics
20. Application Password Crackers
21. Log Capturing and Event Correlation
22. Network Forensics and Investigating Logs
23. Investigating Network Traffic
24. Router Forensics
25. Investigating Wireless Attacks
26. Investigating Web Attacks

27. Investigating DoS Attacks
28. Investigating Internet Crimes
29. Tracking Emails and Investigating Email crimes
30. PDA Forensics
31. Blackberry Forensics
32. Ipod and iPhone Forensics
33. Cellphone Forensics
34. Investigating Corporate Espionage
35. Investigating Trademark and Copyright Infringement
36. Investigating Sexual Harassment Incidents
37. Investigating Child Pornography Cases
38. Investigative Reports
39. Becoming an Expert Witness
40. Law and Computer Forensics
41. Security Policies
42. Risk Assessment
43. Evaluation and Certification of Information System

Linux System Administration – LPIC1

CompTIA/ LPI
7 Days - $2935

The Linux Professional Institute Certification (LPIC) program is designed to certify the competency of IT professionals using the Linux operating system and its associated tools. It is designed to be distribution neutral, following the Linux Standard Base and other relevant standards and conventions. This course is intended for students who have a minimum of two years of experience in the computer industry, extensive experience with at least one other operating system and working knowledge of a Unix style editor.

If you are an employer, IT service provider or an enterprise-level business you want to be assured that your IT professionals have the right skills and knowledge for today's technology challenges. This includes operations based on open source technologies.

"Linux has become an unstoppable force in the enterprise market and with its new certification program, LPI is raising the bar for excellence for Linux training. With its vendor-neutral approach to Linux training and certification, LPI is helping Linux professionals support the strong industry demand for high quality enterprise-level skills...."

-- Jeff Smith, Vice President, Linux and Open Source Middleware, **IBM**

Knowledge Domains Covered

1. System Architecture
2. Determine and configure hardware settings
3. System boot
4. Runlevel management
5. Installation and package management
6. Boot managers
7. Managing shared libraries
8. Debian package management
9. RPM/YUM package management
10. GNU and Unix Command Line
11. Processing text streams using filters
12. Basic file management
13. Streams, pipes and redirects
14. Process management
15. Modifying process execution priorities
16. Using REGEX
17. Basic file editing operations using vi
18. Devices, Fileystems and hierarchy standards
19. Creating partitions and filesystems
20. Maintaining file system integrity
21. Control mounting of filesystems
22. Managing disk quotas
23. Managing file permissions and ownership
24. Symlinks
25. FHS hierarchy standard
26. Shell Scripting and Data Management
27. Customizing and Simple Scripting
28. SQL Data Management
29. User Interfaces and Desktops
30. Installation and Configuration of X11
31. Display Manager Setup
32. Accessibility
33. User and Group Management and Related System files
34. Automating system administration with job scheduling
35. Localisation and internationalisation
36. NTP time management
37. Syslog daemon
38. Mail Transfer Agent Basics
39. Managing printers and printing
40. Fundamentals of Internet Protocols
41. Basic Network Configuration
42. Basic Network Troubleshooting
43. Client Side DNS
44. Security Administration Tasks
45. Setting Up Host Security
46. Security Data With Encryption

IT Service Management – ITIL V3 Foundation

OGC/ITIL
3 Days - $1899

ITIL is the most widely adopted approach for IT Service Management in the world. It provides a practical, no-nonsense framework for identifying, planning, delivering and supporting IT services to businesses.

Who should attend?

This course is aimed at business managers, IT directors, CIOs and IT service providers who wish to enhance the quality of IT service management within their organization. This course qualifies you for 24 PMI PDUs necessary to maintain your PMI credentials.

Knowledge Domains Covered

Day 1 Service Lifestyle, Service Strategy, Service Design

- ITILs approach to Service Management
- Value Creation
- Benefits of ITIL
- Organizational Context
- Governance
- Process Model
- Overall ITIL Lifecycle
- Strategy terms of interest while presenting an overview of Utility and Warranty
- Service Models
- Service Provider Types
- Delivery Models
- Key Service Strategy Activities
- Financial Management
- Service Portfolio Management
- Business Service Management
- Service Portfolio
- Demand Management
- Service Design Path
- Business Change Process
- Design Management
- Five Aspects of Service Design: Service Solutions; Portfolio; Technology Architectures and Management Systems; Processes
- Measurements
- Methods
- Metrics

Day 2 Service Transition, Service Operation

- ITILs approach to Service Management
- Value Creation
- Benefits of ITIL
- Organizational Context
- Governance
- Process Model
- Overall ITIL Lifecycle
- Operational Functions
- Service Desk
- Technical Management
- Application Management
- IT Operations Management
- Services vs. Components
- Stability vs. Responsiveness
- Quality vs. Cost
- Reactive vs. Proactive
- New processes: Event, Request Fulfillment, Access and changed processes including Incident Management and Problem Management

Day 3 Continual Service Improvement

- CSI Activities
- Required Skills
- Metrics
- CSI Model
- Seven Steps of Improvement
- Role of Measurements
- Continual realignment of IT to business requirements
- The aim to improve all processes within the Service Lifecycle
- Growth and maturity of Service and the Management Processes of Measure
- Analyze and Review

Health Information Technology and Electronic Health Records

Health IT Certification
5 Days - $3759

The designation of Certified Professional in Electronic Health Records (CPEHR) indicates that the holder has mastered the common body of knowledge covering planning, implementation, operation of EHR for knowledge management, quality improvement, patient safety, and care coordination. The CPEHR curriculum includes strategies to make the most of an EHR investment, enhancing capabilities, using new technologies, and building value.

The designation of Certified Professional in Health Information Technology (CPHIT) indicates that the holder has mastered the common body of knowledge covering planning, selecting, implementing, using, and managing health information technology (HIT) and electronic health record (EHR) applications. The CPHIT curriculum introduces the use of health information technology in any setting within the continuum of care.

While these are primarily US certifications, the challenges and issues to Canadian health care providers are largely the same, making both the content of this course and the certification highly valued on both sides of the border. The demand for knowledge-equipped and professionally certified health IT professionals is sky-rocketing.

Who should attend?

This course is appropriate for information system analysts working in healthcare facilities, information technology steering committee members, consultants, clinicians, nurses and other direct caregivers.

Knowledge Domains Covered

- Overview of HIT, EHR and Health Information Exchange (HIE)
- Legal and Regulatory Aspects of HIT, EHR, and HIE
- HIT, EHR and HIE Goals and Migration Path
- Change Management for HIT, EHR and HIE
- HIT Technology, Privacy and Security
- Principles of HIT Project Management
- HIT Implementation and Maintenance
- Managing HIT ROI and Optimizing Use
- Clinical Documentation and Data Management
- Patient Safety: CPOE, e-Rx and E-MAR
- Care Coordination, Public Health, Quality Improvement, Personal Health Records
- Electronic Document Management

Intro CISCO Certifications X3 – CCNENT/CCNA/CCDA

Cisco/INFOSEC
7 Days - $3524

This program prepares students to be able to install, configure, operate, troubleshoot, and design small to medium-size routed and switched networks. On successful completion, participants will have three Cisco certifications – CCENT, CCNA and CCDA.

Who should attend?

This course is intended for students with one year of networking experience and the knowledge and skill to install, operate, and troubleshoot a small enterprise branch network, including basic network security.

Knowledge Domains Covered

- Day 1 Introduction to Cisco Networks
- Day 2 TCP/IP, Subnetting, Access Control Lists, NAT and Routing
- Day 3 WANS and Switching
- Days 4 Review and Exam 640-822 CCENT
- Day 5 Review and Exam 640-816 CCNA
- Day 6 Designing for Cisco Internetworks
- Day 7 Review and Exam 640-863 DESGN

Microsoft Exchange Server 2010 - MCITP

Microsoft
7 Days - $3524

As an employer, you recognize that your email systems are the lifeblood of your company and you undoubtedly want them managed by properly trained, industry certified professionals. As an IT worker or consultant, you also know the value and time savings to you and your clients when you can follow best practices to keep their systems running optimally with zero down time. You don't want to rely entirely on Google answers for critical business solutions and you do want access to critical information on the latest technology.

This course will provide students with experience in designing, deploying, installing, managing, monitoring and troubleshooting Exchange Server 2010, and managing messaging security and recovering messaging servers and databases. Included are exams 70-662 Configuring MS Exchange Server 2010 and 70-663 Designing and Deploying Messaging Solutions which together complete the designation "Microsoft Certified IT Professional - Enterprise Messaging Administrator 2010".

Who should attend?

This course is intended for students who have experience with Exchange 2010, Windows 2003 operating systems, managing backup and restores on Windows Servers, managing and monitoring tools, and networking and troubleshooting tools.

Knowledge Domains Covered

- Deploying Microsoft Exchange Server 2010
- Configuring Mailbox Server Roles
- Managing Recipient Objects
- Managing Client Access
- Managing Message Transport
- Implementing Messaging Security
- Implementing High Availability
- Implementing Backup and Recovery
- Configuring Messaging Policy and compliance
- Securing Microsoft Exchange Server 2010
- Maintaining Microsoft Exchange Server 2010
- Upgrading Exchange Server 2003 and 2007 to Exchange 2010
- Implementing Unified Messaging
- Advanced Topics in Exchange Server 2010
- Planning the Exchange Server Infrastructure
- Deploying the Exchange Server 2010 Infrastructure
- Designing and Deploying security for the Exchange Organization
- Designing and Deploying Exchange server 2010 Availability and Recoverability
- Designing and Deploying Messaging Compliance, System Monitoring, and Reporting

Boot Camp FAQ

When are the courses?

All of the courses begin on Saturday June 11th and will run on consecutive calendar days for the duration of the course. For example a five day course will end the following Wednesday and your employees will only be out of the office for three days.

Where are the classrooms?

All instruction will take place at Sault College on Northern Avenue in Sault Ste. Marie.

Who are the instructors?

Instructors are coming in from all over the US and Canada. We're bringing in some of the top IT instructors from across North America for this engagement.

Who is providing the curriculum?

Materials are provided by TrainingCamp in cooperation with each of the certifying bodies. Materials will be sent to each student in advance of the course.

Who is certifying the training and testing?

Each of the boot camp courses is directly targeted at one or more industry certifications from CISCO, Microsoft, InfoSEC, LPI, OGC or HealthIT. All of these certifications are recognized and highly valued world-wide throughout the IT industry by IT workers, managers and HR departments.

When does the testing occur?

Testing will happen during each course. In some cases, participants may be writing more than one test and getting more than one industry certification.

When is the deadline for registration?

Registration is open now. Seating is quite limited to ensure that each student gets maximum attention from the instructor.

Why are these courses so expensive?

We are subsidizing the courses and offering them at a significantly lower cost than if you were to travel to the US to take the same course from these same instructors. For example, the LPI course is normally $4295. We're offering it for $2935 and you don't have to pay to travel.

Are all of these courses guaranteed to run?

No. Any course without sufficient enrolment will be cancelled.