Cybersecurity Certification Exam Prep

SHORT COURSES

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

PROFESSIONAL DEVELOPMENT SOLUTIONS

Protect your information assets with Cybersecurity Training!

UAH Cybersecurity Exam Prep courses provide you with the in-demand tools and skills needed to discover and defend against the growing number of electronic security threats.

In accordance with the Affirmative Action/Equal Opportunity Policy

UAH in Huntsville
Non-discrimination in Employment bend in 35899-0650

Professional & Continuing Studies

Huntsville, AL 35899-0650
Wilson Hall Room 112

The University of

Alabama in Huntsville
Arm yourself with the latest cybersecurity knowledge.

Cybersecurity professionals are responsible for protecting and managing protection of information systems and their data from intrusion, threat, risks, and corruption. This in-demand skill ensures that only authorized users have access to authorized information according to set procedures and protective measures.

Whether you are just starting your Cybersecurity career or polishing your skills, we offer training levels from Beginner to Expert that fit your schedule.

BEGINNER

A+ Exam Prep
Meets DoD Directive 8140!
The CompTIA® A+ Certification fulfills a basic requirement for most technical support and IT administrative positions. On completion of this course, understand the fundamental concepts of installation, configuration and maintenance of PCs, devices and related hardware/software. Learn to assemble components based on customer requirements. Apply troubleshooting skills to properly and safely diagnose, resolve and document common issues and provide appropriate customer service. The course helps you prepare for the CompTIA® A+ Exam 220-901/902 which applies to DoD 8140 Information Assurance Technical (IAT) Level I.

Topics Include:
• CPU, RAM, power supply, and PC components
• Managing input devices and removable media
• Wired/wireless network installation and configuration
• Basic PC, device, and network security
• Cloud and virtualization technologies
• Safety and environmental issues

Prerequisite: Basic understanding of Information Technology and/or 6-12 months hands-on experience in the IT field.

CAMPUS: Jul 10 – Aug 2, 2017 | M, W | 5 – 8:30 pm | B2117061
ONLINE: D2117009

28 hours | $1295/$1495*  *With exam voucher.

INTERMEDIATE

Network+ Exam Prep
Meets DoD Directive 8140!
The CompTIA® Network+ Exam N10-006 is recognized by the U.S. Department of Defense. Many companies and organizations require or recommend it for their networking technicians. Benefit from hands-on exercises and exam question practice in a lab environment. Potential careers after certification include network administrator, network technician, network installer, help desk technician and IT cable installer. The certification applies to DoD 8140 Information Assurance Technical (IAT) Level I.

Topics Include:
• Building a network with the OSI and TCP/IP models
• Configuring network hardware, topologies and cabling
• Installing and configuring routers and switches
• Configuring IPv6 routing protocols
• Configuring wireless networks
• Building a SOHO network
• Securing, managing, and troubleshooting networks

Prerequisite: Technical networking experience recommended.

CAMPUS: Feb 21 – Mar 23, 2017 | T, Th | 5 – 8:30 pm | C2117054
Aug 8 – 31, 2017 | T, Th | 5 – 8:30 pm | C2117062

28 hours | $1295/$1495*  *With exam voucher.

Security+ Exam Prep
Meets DoD Directive 8140!
The CompTIA® Security+ Exam SYO-401 is the premier vendor-neutral security certification and is highly touted in the information security arena. Designed for professionals who have two years’ experience with an emphasis on security, this course will build on your current skill set and professional knowledge and will prepare you to take the CompTIA® Security+ Certification Exam. This course will familiarize you with concepts and tools and prepare you to anticipate, guard against, mitigate, and respond to security incidents. The certification applies to DoD 8140 Information Assurance Technical (IAT) Level II and Information Assurance Management (IAM) Level I.

Topics Include:
• Network infrastructure
• Organizational security
• Systems security
• Access control
• Cryptography
• Auditing

Prerequisite: Technical networking experience with an emphasis on security. Network+ or equivalent experience recommended.

CAMPUS: Apr 24 – May 17, 2017 | M, W | 5 – 8:30 pm | C2117058
Dec 11 – 14, 2017 | M – Th | 8:30 am – 4:30 pm | C2118006

28 hours | $1295/$1495*  *With exam voucher.

Select IT Courses Meet DoD Directive 8140!
UAH offers IT courses that assist in the credentialing and continuing education requirements of all DoD employees with privileged access to DoD information systems.

Customized Training and Volume Discounts:
Contact PDSolutions@uah.edu or 256.824.4430
Certified Ethical Hacker (CEH™) Exam Prep

Meets DoD Directive 8140!

Dive into an interactive environment and learn how to scan, test, and secure systems from hackers. Our hands-on lab provides in-depth knowledge and practical experience with the current essential security systems. Learn how perimeter defenses work and then scan and attack your own networks (no real network is harmed). Understand how intruders escalate privileges and what steps can be taken to secure a system. Study Intrusion Detection, Policy Creation, Social Engineering, DDoS Attacks, Buffer Overflows, Virus Creation, and Cloud Computing. Prepare for the EC-Council Certified Ethical Hacker (CEH™) v9 Exam. Gain 35 hours of class time with an optional 4 hours to complete the exam at our location at your convenience after course completion. Go to eccouncil.org for complete certification information.

Topics Include:
- Understand ethics and legality, footprinting and reconnaissance, and scanning networks
- Review enumeration, system hacking, malware threats, sniffers, and denial-of-service
- Explore social engineering, SQL injection, session hijacking, and cryptography
- Examine hacking web servers, web applications, wireless networks, and mobile platforms
- Navigate cloud computing and evade IDS, firewalls, and honeypots

Prerequisite: Programming and networking experience with an emphasis on security. Network+ and Security+ certifications are beneficial.

CAMPUS: Feb 20 – 24, 2017 | M – F | 8:30 am – 4:30 pm | C2117074
May 22 – Jun 6, 2017 | M, W | 5 – 8:30 pm | C2117060
Dec 11 – 15, 2017 | M – F | 8:30 am – 4:30 pm | C2118005

35 hours | $2195/$2495*  
*With exam voucher.

Certified Network Defender (CND) Exam Prep

Meets DoD Directive 8140!

Designed for Network Administrators, Security Administrators, Security Engineers, and those involved in network operations or concerned about the integrity of your network infrastructure. Enhance your network defense ability and learn about the attackers by taking the intensive, hands-on, lab-based Certified Network Defender (CND) course. This course offers network security and cyber defense strategies to protect, detect, and respond to cyberattacks. Interactive labs provide technical skills required to design a secure network with future threats in mind. The CND certification is the next step towards protecting your network.

What You Will Learn:
- Network and defense fundamentals
- Network security threats, vulnerabilities, and attacks
- Network security policy design and implementation
- Physical and host security
- Secure firewall configuration, IDS configuration, VPN configuration, and management
- Wireless network defense
- Network traffic monitoring and analysis
- Network risk and vulnerability management
- Data backup and recovery

Prerequisite: Networking Fundamentals
CAMPUS: Aug 7 – 11, 2017 | M – F | 8:30 am – 4:30 pm | C2117076

35 hours | $2195/$2495*  
*With exam voucher.

Certified Authorization Professional (CAP®) Exam Prep

Meets DoD Directive 8140!

Organizations require qualified Certified Authorized Professionals (CAP®) to monitor and protect their network infrastructure and information systems. The federal government recognizes the CAP® credential in DoD 8140 at IAM Level I and II. The CAP® credential applies to those responsible for formalizing processes that assess risk and establish security requirements and documentation using the Risk Management Framework (RMF) model. Authorization officials, system owners, information owners, information system security officers, certifiers, and all senior system managers will benefit. The CAP® examination focuses on the 7 domains of the CAP® Common Book of Knowledge (CBK®).

Benefits of Obtaining CAP® Certification:
- Demonstrates a working knowledge of information security
- Confirms commitment to profession
- Offers a career differentiator with enhanced marketability
- Fulfills government and organization requirements for information security certification mandates

Prerequisite: 1-2 years IT security, risk management, systems, and network experience.
CAMPUS: Mar 28 – Apr 20, 2017 | T, Th | 5 – 8:30 pm | C2117056
Sep 12 – 15, 2017 | T – F | 8:30 am – 4:30 pm | C2118002

28 hours | $1295**  
**Exam voucher not included.

CompTIA® Partnership Benefits

As an academy partner, we offer the option to pay a single fee and receive course registration and a discounted exam voucher from PearsonVue.

UAH is an EC-Council Accredited Training Center!

UAH is a recognized training center by various government agencies including the U.S. Department of Defense (DoD), National Security Agency (NSA), and the Committee on National Security Systems (CNSS).

For more information, contact 256.824.4430 or PDSolutions@uah.edu.
Certified Information Systems Security Professional (CISSP®) Exam Bootcamp
Meets DoD Directive 8140!
Organizations gain a leading edge by demanding qualified information security staff. They demonstrate their dedication to providing the highest standard of security for their customers, employees, stakeholders and organizational information assets. The UAH Certified Information Systems Security Professional (CISSP®) Exam Bootcamp presents information security best practices and prepares you for the CISSP® Exam. The certification applies to DoD 8140 Information Assurance Technical (IAT) Level III; Information Assurance Management (IAM) Levels II and III; Information Assurance System Architect and Engineer (IASAE) Levels I and II. Go to www.isc2.org for complete certification information.

How You Will Benefit:
• Solve difficult situations with confidence by knowing best practices in information security
• Demonstrate a working knowledge of information security
• Validate dedication to information security profession
• Offer a superb resume builder with great credibility
• Provide access to valuable resources, such as peer networking and idea exchange

CISSP® CBK® Domains Covered:
• Security and risk management
• Asset security
• Security engineering
• Communication and network security
• Identity and access management
• Security assessment and testing
• Security operations
• Software development security

Prerequisite: Security+ certification or equivalent professional experience is highly recommended.

CAMPUS:  
Mar 27 – Apr 26, 2017  |  M, W  |  5 – 8:30 pm  |  C2117055
Sep 18 – Oct 18, 2017  |  M, W  |  5 – 8:30 pm  |  C2118003
35 hours  |  $2195**  
**Exam voucher not included.

Also Available:
• Cloud+ Exam Prep
• CCNA® Routing and Switching Certification Exam Prep
Visit PCS.uah.edu/Cybersecurity for details.

NEW SEC504: Hacker Tools, Techniques, Exploits, and Incident Handling
Understand attackers’ tactics and strategies in detail, giving you hands-on experience in finding vulnerabilities and discovering intrusions, and equipping you with a comprehensive incident handling plan. Address the latest cutting-edge insidious attack vectors. Instead of merely teaching a few hack attack tricks, this course provides a time-tested, step-by-step process for responding to computer incidents, and a detailed description of how attackers undermine systems so you can prepare, detect, and respond to them. In addition, the course explores the legal issues associated with responding to computer attacks, including employee monitoring, working with law enforcement, and handling evidence. Focus on scanning for, exploiting, and defending systems, as well as learning to discover the holes in your system before the bad guys do. General security practitioners, system administrators, and security architects will benefit from this course by understanding how to design, build, and operate their systems to prevent, detect, and respond to attacks.

What You Will Learn:
• How best to prepare for an eventual breach
• The step-by-step approach used by many computer attackers
• Proactive and reactive defenses for each stage of a computer attack
• How to identify active attacks and compromises
• The latest computer attack vectors and how you can stop them
• Properly contain attacks and ensure that attackers do not return
• Recover from computer attacks and restore systems for business
• Understand and use hacking tools and techniques
• Attacks and defenses for Windows, Unix, switches, routers, and other systems
• Application-level vulnerabilities, attacks, and defenses
• Develop an incident handling process and prepare a team for battle

CAMPUS:  
Jun 12 – 17, 2017  |  M, T, Th, F: 9 am – 7 pm
and W, S: 9 am – 5 pm  |  C2117078
50 hours  |  $5910**  
Save $400 if registration is paid 4 weeks prior to class.  
**Exam voucher not included.

Ways to Register
ONLINE  
PCS.uah.edu
PHONE  
256.824.6010 or 800.448.4031, 8:15 am – 5:00 pm (CST), M – F

IN PERSON  
UAH Professional & Continuing Studies, Wilson Hall, Room 103
Huntsville, AL 35899-0650

WE ACCEPT  
MasterCard, Visa, American Express, Discover, company purchase orders and SF-182s

Visit PCS.uah.edu for a complete list of policies, course information and instructor bios.