CPE COMPTIA (LAP)

LAP 0006 - CompTIA Pentest + (2 Credits)
2 lecture, 1 lab, 3 total contact hours
Clarifies how to develop penetration testing skills that will enable the IT professional to identify information systems vulnerabilities by effectively applying remediation techniques for those vulnerabilities. Teaches how to offer recommendations for action to properly protect information systems and their contents. Prepares for CompTIA PenTest+ certification exam. Recommended: Intermediate knowledge of information security concepts, including but not limited to identity and access management (IAM), cryptographic concepts and implementations, computer networking concepts and implementations, and common security. Practical experience in accruing various computing environments, including small to medium businesses, as well as enterprise environments.
Typically offered: Spring

LAP 8010 - CompTIA Security+ (2.5 Credits)
2 lecture, 1 lab, 3 total contact hours
Provides vendor-neutral instruction on systems security, network infrastructure, access control, risk mitigation, cryptography, and organizational security. Covers workstation and server security, network vulnerabilities, risk assessments, monitoring tools, network security tools, authentication, rights and privileges, encryption, and disaster recovery. Helps prepare for the CompTIA Security+ certification.

LAP 8019 - CompTIA IT Fundamentals+ (2 Credits)
1 lecture, 2 lab, 3 total contact hours
Gains the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, software development and database use. Learns to install software, establish basic network connectivity, and identify/prevent basic security risks. Obtains knowledge in the areas of troubleshooting theory and preventative maintenance of devices. Learns some of the basic principles and techniques of providing PC, mobile, applications, and network support. Prepares the student for the ITF+ certification exam.
Typically offered: Fall, Spring, Summer

LAP 8020 - CompTIA A+ Computer Technician (2.5 Credits)
1.5 lecture, 2 lab, 3.5 total contact hours
Prepare for a career as an information technology (IT) professional or personal computer (PC) technician. Learn how to install, upgrade, repair, configure, troubleshoot, optimize, and perform preventive maintenance of personal computer hardware and operating systems. This course helps prepare you for the CompTIA A+ certification examinations in order to become a CompTIA A+ Certified Professional. Prerequisites: Be able to browse and search the Internet, operate a personal computer, and work with operating systems such as Microsoft Windows.
Typically offered: Fall, Spring, Summer

LAP 8021 - CompTIA Network+ (2 Credits)
1 lecture, 2 lab, 3 total contact hours
Teaches planning, installation, and troubleshooting of networks in a business environment. Includes the OSI model, network card configurations, diagnosing network problems, and hands-on practice setting up a network environment. Must have A+ certification or equivalent prior to enrollment.
Typically offered: Spring, Summer

LAP 8022 - CompTIA Security+ (2.5 Credits)
2 lecture, 1 lab, 0 clinical/other, 3 total contact hours
Provides vendor-neutral instruction on systems security, network infrastructure, access control, risk mitigation, cryptography, and organizational security. Covers workstation and server security, network vulnerabilities, risk assessments, monitoring tools, network security tools, authentication, rights and privileges, encryption, and disaster recovery. Helps prepare for CompTIA Security+ certification.
Typically offered: Fall

LAP 8023 - CompTIA Cybersecurity Analyst+ (2 Credits)
1 lecture, 2 lab, 0 clinical/other, 3 total contact hours
Covers the duties of those who are responsible for monitoring and detecting security incidents in information systems and networks, and for executing a proper response to such incidents. Introduces tools and tactics to manage cybersecurity risks, while promoting a comprehensive approach to security on the front lines of defense. Learn how to identify various types of common threats, evaluate an organization's security, collect and analyze cybersecurity intelligence, and handle incidents as they occur. This course prepares students for the CompTIA Cybersecurity Analyst+ (Exam CS0-001) and fulfills DoD directive 8570.01 for information assurance (IA) training. Prerequisites: CompTIA Network+ or equivalent knowledge required. CompTIA Security+ recommended.
Typically offered: Spring

LAP 8024 - CompTIA Datasys+ (3 Credits)
3 lecture, 3 total contact hours
CompTIA DataSys+ provides the fundamentals of scriting and programming in a database environment. This course demonstrates designing and modeling databases to complete database tasks. Participants will apply knowledge to install, configure, and maintain database software while establishing sound security. This course prepares students for the DataSys+ Certification Exam. An eBook, labs, and one exam voucher are included in the course fees.
Typically offered: Fall, Spring

LAP 8025 - CompTIA Linux+ (1.5 Credits)
1 lecture, 1 lab, 2 total contact hours
Learn how to administer a Linux environment and prepare for two CompTIA Linux+ certification exams. Review basic system architecture, installation, and management; understand commands, devices, and file systems; utilize shells, scripting, and data management techniques; and navigate user interfaces, desktops, and essential system services. Prerequisite: CompTIA A+ Certification or equivalent experience.

LAP 8026 - CompTIA Data+ (3 Credits)
3 lecture, 3 total contact hours
This course covers data mining and demonstrates the manipulation of data. Participants will apply statistical methods and analysis to complex datasets to make data-driven decisions.
Typically offered: Spring, Summer

LAP 8028 - CompTIA Cloud+ (2 Credits)
1 lecture, 2 lab, 3 total contact hours
Learns how to build cloud sysadmin (systems administrator) skill set to confidently perform duties in any cloud administrator role. Explores upkeep, configuration, and reliable operation of computer systems, especially multi-user computers, such as servers. Prepares students to sit for the CompTIA Cloud+ certification exam.
Typically offered: Spring, Summer