Start a new career or build on the career you already have in

INFORMATION TECHNOLOGY

CHOOSE YOUR COMPTIA PATHWAY

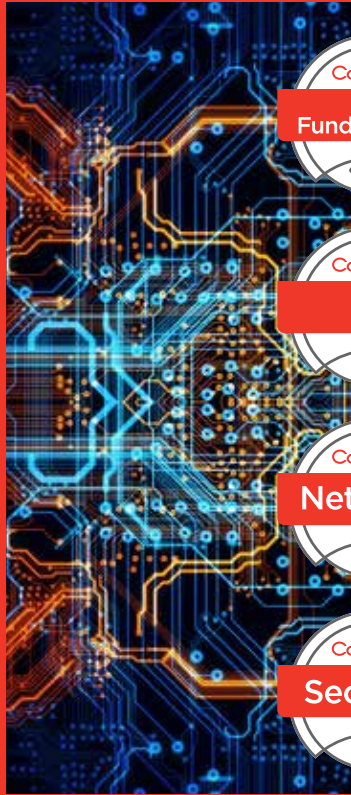| Core Skills	Infrastructure	Cybersecurity
Enter the IT workforce	Strengthen your existing skills and increase your employability	Achieve a level of mastery in one of today's most compelling fields.

START YOUR CAREER WITH
COMPTIA CORE SKILLS

CompTIA IT Fundamentals *cn111*
Prepare to enter the IT workforce, help desk

CompTIA A+ *cn122*
Work as a Technical Support Specialist, IT Support Technician, Field Service Technician

CompTIA Network+ *cn221*
Work as a Network Field Technician, Network Support Specialist, Network Administrator, Network Analyst, Technical Support
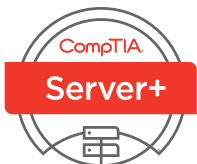
CompTIA Security+ *cn350*
Work as a Systems Administrator, Network Administrator, Security Administrator, Junior IT Auditor/Penetration Tester, Security Specialist, Security Consultant, Security Engineer

INFRASTRUCTURE CAREER PATHWAY

When taken together as the CompTIA Infrastructure Career Pathway, CompTIA certifications validate the skillsets needed across IT operations, deepening your mastery of skills and broadening the number of IT infrastructure roles in which you can contribute.

Linux Essentials *cn112*
Junior Linux Administrator, Junior Network Administrator, Systems Administrator, Web Administrator

CompTIA Server+ *cn124*
Systems Engineer, Server Administrator, Sales Solution Specialist, Servers

CompTIA Cloud+ *cn125*
Project Manager, Cloud Services, Cloud Engineer, Manager, Business Analyst, Data Center SAN

CYBERSECURITY PATHWAY

With CompTIA A+, CompTIA Network+, CompTIA Security+, CompTIA Cybersecurity Analyst (CySA+), and CompTIA Advanced Security Practitioner (CASP), the CompTIA Cybersecurity Career Pathway helps technical specialists achieve cybersecurity mastery, from beginning to end.

CompTIA CySA+ *cn352*
Security Analyst, Security Operations Center (SOC) Analyst, Vulnerability Analyst, Cybersecurity Specialist, Threat Intelligence Analyst, Security Engineer

CompTIA PenTest+ *cn353*
Penetration Tester, Vulnerability Tester, Security Analyst, Vulnerability Assessment Analyst, Network Security Operations, Application Security Vulnerability

CompTIA CASP+ *cn354*
Information Security Analyst, Security Architect, IT Specialist INFOSEC, IT Specialist, Cybersecurity, Cybersecurity Risk Manager, Cybersecurity Risk Analyst

CORE SKILLS CLASSES

Operating and Networking Your Home Computer

cn111 • 48 class hrs

Identify PC components, work with files and folders, and conduct basic software installations. Learn the fundamental skills and concepts required to maintain, support, and work efficiently with personal computers, and acquire the essential skills and information needed to set-up, configure, maintain, troubleshoot, and perform preventative maintenance of the hardware and software components of a basic personal computer workstation and basic wireless devices. Also implement basic security measures, and basic computer and user support practices. This course along with CompTIA A+ Essentials and Practical Application serve as an excellent preparatory event for the A+ certification.

CompTIA A+ Essentials and Practical Application

cn122 • 84 class hrs

In this comprehensive and interactive class, you will study the information and acquire the skills necessary to receive your CompTIA A+ 220-901 & 220-902 certification. Topics include: **Security:** Support and secure access to data by properly using authentication, access control and encryption for an organization. Help desk and technical support professionals form one of the first lines of defense for any organization. **Networking:** Apply core concepts and protocols such as IPv4, IPv6, DHCP, and subnet mask to set up and support wired and wireless networks. **Operating Systems:** Work with mobile, server and traditional operating systems, from Android and iOS to Windows and Linux. **IT Operations:** Utilize the basics of virtualization, cloud computing, and desktop imaging and deployment to support today's IT infrastructures. **Troubleshooting:** Following and using decision trees for diagnosing, resolving and documenting common hardware and software issues across a variety of devices. **Technical Support:** Applying principles of customer service in IT issue resolution. Hands-on lab scenarios. Tuition includes books, subscription to Microsoft Imagine Academy and Transcender Test Prep for certification preparation.

Preparation for CompTIA Network+ Certification

cn221 • 78 class hrs

This course focuses on basic networking skills suited to beginners, with topics including Microsoft, Novell, Unix/Linux products, hardware components, and theoretical ideas used in networking. Learn the process of setting up a simple Windows Peer-To-Peer network and experience server-based networks using various vendors. Upon completion, students are prepared to enter into a specific class on Linux, Microsoft, and/or Novell. Tuition includes books and Transcender Test Prep for certification preparation.

Preparation for CompTIA Security+ Certification

cn350 • 48 class hrs

IT security threats continue to increase in number and severity, and the supply/demand gap for qualified IT security professionals is greater than that of any other IT specialty. Most businesses have to maintain or increase their investment in cyber security. This course provides an international, vendor-neutral overview that increases competency in system security, network infrastructure, access control, and organizational security. The course curriculum follows the objectives for CompTIA Security+ Certification. Tuition includes books and Transcender Test Prep for certification preparation.

INFRASTRUCTURE CLASSES

Linux Essentials

cn112 • 69 class hrs

Linux is in demand, are you? This Linux Essentials course, teaches students the fundamentals of the Linux Operating System and command line, and basic open source concepts. It's designed for students who want a comprehensive introduction to the Linux operating system. This course uses a "learn by doing" approach. Each learner has hands-on access to the Linux virtual machine to practice, explore, and test Linux command-line concepts. The course provides step-by-step labs to help students build knowledge progressively and learn Linux commands that require practice to master. This course aligns with the Linux Professional Institute (LPI) Linux Essentials Professional Development Certificate and will help prepare you for the Linux Essentials exam.

Preparation for CompTIA Server+ Certification

cn124 • 48 class hrs

Learn about server hardware technologies including how to install, configure, and upgrade server hardware, perform preventive maintenance, troubleshooting, and disaster-recovery techniques for servers. This Server+ certification preparation course also provides you with the skills and knowledge to help you prepare for the certification exam. This certification does not need to be renewed.

Preparation for CompTIA Cloud+ Certification

cn125 • 48 class hrs

The CompTIA Cloud+ course provides knowledge and best practices required of IT practitioners working in cloud computing environments. Gain the understanding of cloud infrastructure and certify in the understanding of the cloud-related terminologies and the level of implementation. It certifies that the individual understands the application of different strategies depending on the situation, the aspects of IT security in cloud, and the best practices to implement in the cloud. The certification is an internationally recognized validation of the knowledge required by an individual working in cloud environments.

CYBERSECURITY CLASSES

Preparation for CompTIA CySA+ (Cybersecurity Analyst) Certification

cn352 • 48 class hrs

A prep course to obtain the CompTIA CySA+ Cybersecurity Analyst Certification. This is an intermediate-level certificate for IT professionals with previous experience working in the field of IT security. Focus is on the knowledge, ability, and skills necessary to provide the defense of those information systems in a cybersecurity context including protection, detection, analysis, investigation, and response processes. CySA+ is government approved. CompTIA CySA+ meets the ISO 17024 standard and is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements.

Preparation for CompTIA PenTest+ (Penetration Testing) Certification

cn353 • 48 class hrs

This hands-on course gives you the experience in network and system penetration testing. It covers all of the exam objectives for the CompTIA PenTest+ exam. Also included are virtual labs and practice exam to help you pass the certification. We believe this is one of the most comprehensive courses covering penetration testing available anywhere. This CompTIA® PenTest+ course will not only help prepare you to pass the certification exam, but will also introduce you to the general concepts and methodologies related to penetration testing. Reinforce these concepts as you work your way through a simulated pen test for a fictitious company. This course along with our CompTIA Cybersecurity Analyst (CySA+) will provide you with both offensive and defensive skills. Earn the PenTest+ certification to grow your career within the CompTIA recommended cybersecurity career pathway.

Preparation for CompTIA CASP+ (Advanced Security Practitioner) Certification

cn354 • Call 405.801.5704 to schedule.

This training course will prepare you to successfully achieve this in-demand certification and teach you to assess, investigate, examine, and research potential security threats in your organization In this certification training course, you will gain the foundational knowledge to fully prepare for the CASP+ exam. CASP+ is the ideal certification for technical professionals who wish to remain immersed in technology as opposed to strictly managing. CASP+ is the only hands-on, performance-based certification for practitioners - not managers - at the advanced skill level of cybersecurity. While cybersecurity managers help identify what cybersecurity policies and frameworks could be implemented, CASP+ certified professionals figure out how to implement solutions within those policies and frameworks. This course supports a certification that is a DoD Approved 8570 Baseline Certification and meets DoD 8140/8570 training requirements.

python™

Python Certified Associate Programmer Certification (PCAP)
cn906 • 69 class hrs

In this course you will learn to design, write, debug, and run programs encoded in the Python language. No prior programming knowledge is required. Python is a general-purpose programming language used to build just about anything. Python is key for back-end web development, data analysis, artificial intelligence and scientific computing, all of which are key for pursuing IT careers. The course begins with the very basics guiding you step by step until you become adept at solving more complex problems. The course aligns to the PCAP - Python Certified Associate Programmer certification, validating your expertise to employers and expanding your IT and IoT career opportunities.

PowerShell

Windows PowerShell Scripting
cn900 • 48 class hrs

Want to learn about the Windows PowerShell command line and scripting environment? You've come to the right place. Students will gain knowledge through hands on exercises learning the basics, then jump into installing and setting up PowerShell Console. Windows PowerShell is a task automation and configuration management framework from Microsoft, consisting of a command-line shell and associated scripting language built on the.NET Framework. PowerShell provides full access to COM and WMI, enabling administrators to perform administrative tasks on both local and remote Windows systems as well as WS-Management and CIM enabling management of remote Linux systems and network.

JavaScript I
cn905 • 42 class hrs

JS

This introductory course will teach students web development using client-side JavaScript. Initially, we will discuss HTML5 and CSS3 and how JavaScript is used to modify the contents and layout of a web page. Students will learn various development tools for creating web pages, creating dynamic web page interactions. Students will learn core grammar of JavaScript, such as loops, condition testing, etc. Familiarity with HTML and CSS is beneficial but not required.

JavaScript II (jQuery)
cn907 • 42 class hrs

This is the second course for JavaScript to help you improve your web-design abilities! JavaScript II (jQuery) introduces practical usage of client-side JavaScript using current technologies such as JQuery, AJAX, JSON, platform APIs, and more to make our web programming lives easier. Students will learn to implement various design elements that improve the functionality and attractiveness of web pages. *CN905 JavaScript I or prior JavaScript programming knowledge is essential to gain the most from this course.*

Preparation for CompTIA Project+ Certification
pm101 • 48 class hrs

CompTIA
Project+

This course trains for the skills needed to be a successful IT project manager, to avoid making costly mistakes, and increase your competitive edge in the project management profession. This course can be a significant part of your preparation for the CompTIA® Project+® certification exam. Tuition includes books and Transcender Test Prep for certification preparation, and it is great preparation for moving on to earning a PMP certification. This certification does not need to be renewed.

"One of the most rewarding aspects of my job is helping people who 'like computers' build a path toward a productive, meaningful, and in-demand career in information technology. The opportunities are limitless."

RICK SPAULDING
Adult Program Coordinator

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Visit mntc.edu to learn about all MNTC computer classes including Microsoft, Adobe and more.

mntc.edu | 405.801.5000

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