DIGITITAN E-LEARNING ACADEMY

CISCO COURSE BREAKDOWN

1. **Information Technology Essentials**

OS & IT

IT Essentials

Learn how to apply skills and procedures to install, configure, and troubleshoot computers, mobile devices, and software.

By Cisco Networking Academy

The Fundamentals of Connecting Computers to Networks

Imagine building a computer then connecting it securely to a network. This exciting first step could lead to a rewarding IT career. Because a sure way to excel—no matter which area of IT you choose—is to learn the right computer fundamentals. IT Essentials covers this as well as shares the career skills needed for entry-level IT jobs. You'll enjoy working with Cisco Networking Academy advanced simulation tools and having multiple hands-on labs that hone your troubleshooting skills. No prerequisites or computer knowledge required.

You'll Learn These Core Skills:

- Install, configure, and troubleshoot computers and mobile devices.
- Identify common security threats like phishing and spoofing.
- Develop critical thinking and problem-solving skills using both real equipment and Cisco Packet Tracer.
- Prepare for CompTIA A+ Certification.

Training Duration:	**6 months**
Level:	**Intermediate**
Learning Type:	**Instructor led**
Cisco Exam:	**Badge**

Training Period: **January 2022 – June 2022**

Fess: **Non Refundable Registration fee – R500.00**

        Tuition fee : R249/month

Training: **2 Hour online session per week**

Training Period: **January 2022 – June 2022**

Fess: **Non Refundable Registration fee – R500.00**

        Tuition fee : R249/month

2. Networking Essential

Enhance Your Skillset, Whatever Path You Take

Networking is at the heart of the digital transformation. The network is essential to many business functions today, including business critical data and operations, cybersecurity, and so much more. A wide variety of career paths rely on the network -- so it's important to understand what the network can do, how it operates, and how to protect it.

This is a great course for developers, data scientists, cybersecurity specialists, and other professionals looking to broaden their networking domain knowledge. It's also an excellent launching point for students pursuing a wide range of career pathways – from cybersecurity to software development to business and more. A Networking Academy digital badge is available for the instructor-led version of this course. No prerequisites required.

You'll Learn These Core Skills:

- Plan and install a home or small business network using wireless technology, then connect it to the Internet.
- Develop critical thinking and problem-solving skills using Cisco Packet Tracer.
- Practice verifying and troubleshooting network and Internet connectivity.
- Recognize and mitigate security threats to a home network.

Training Duration:	**6 months**
Level:	**Intermediate**
Learning Type:	**Instructor led**
Cisco Exam:	**Badge**
Training Period:	**January 2022 – June 2022**
Fess:	**Non Refundable Registration fee – R500.00**
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Training:	**2 Hour online session per week**

3. CCNA Learning Pathway

Networking
CCNA 1 : Introduction to Networks
The first course in a 3-course CCNA series designed to prepare you for entry-level networking job.
By Cisco Networking Academy

First Step Towards a Networking Career

Begin preparing for a networking career with this introduction to how networks operate. This first course in the 3-course CCNA series introduces architectures, models, protocols, and networking elements – functions needed to support the operations and priorities of Fortune 500 companies to small innovative retailers. You'll even get the chance to build simple local area networks (LANs). Developing a working knowledge of IP addressing schemes, foundational network security, you'll be able to perform basic configurations for routers and switches. No prerequisites required. After completing all three CCNA courses, you are ready to take the CCNA Certification.

You'll Learn These Core Skills:

- Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes.
- Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Configure and troubleshoot connectivity a small network using security best practices.

Duration: 4 Months (January 22 – April 22)

Level: Intermediate

Learning Type: Instructor-Led

Internal Exam

CCNA 2: Switching, Routing, and Wireless Essentials

The second course in a 3-course CCNA series designed to prepare you for networking technician job.

By Cisco Networking Academy

Delve Further Into the World of Networking

This course focuses on switching technologies and router operations that support small-to-medium business networks, including wireless local area networks (WLAN) and security concepts. In this second course in a 3-course CCNA series you'll perform basic network configuration and troubleshooting, identify and mitigate LAN security threats, and configure and secure a basic WLAN. Recommended preparation: CCNA: Introduction to Networks or having equivalent knowledge. After completing all three CCNA courses, you are ready to take the CCNA Certification.

You'll Learn These Core Skills:

- Work with routers, switches and wireless devices to configure and troubleshoot VLANs, Wireless LANs and Inter-VLAN routing.
- Configure and troubleshoot redundancy on a switched network using STP and EtherChannel.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Explain how to support available and reliable networks using dynamic addressing and first-hop redundancy protocols.

Duration: **Four Months (May 22 – August 22)**

Level: **Intermediate**

Learning Type: **Instructor-led**

Internal Exam

CCNA 3: Enterprise Networking, Security, and Automation

The third course in a 3-course CCNA series prepares you for networking analyst & engineering.

Set Your Sights on a Networking Career

Large enterprises depend heavily on the smooth operation of their network infrastructures. This final course in the CCNA series describes the architectures and considerations related to designing, securing, operating, and troubleshooting enterprise networks. It covers wide area network (WAN) technologies and quality of service (QoS) mechanisms used for secure remote access along with the introduction of software-defined networking, virtualization, and automation concepts that support the digitalization of networks. Recommended preparation: CCNA: Switching, Routing, and Wireless Essentials or possessing equivalent knowledge.

You'll Learn These Core Skills:

- Work with routers and switches using OSPF in point-to-point and multiaccess networks.
- Mitigate threats and enhance network security using access control lists and security best practices.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Understand virtualization, SDN, and how APIs and configuration management tools enable network automation.

Duration: **Four Months (September 22 – December 22)**

Level: **Advanced**

Learning Type: **Instructor-led**

International Exam: **R6 500.00**

4. Cybersecurity Associate

CyberOps Associate
Develop the know-how to monitor, detect and respond to cybersecurity threats.
By Cisco Networking Academy

Will You Answer the Call to Protect Networks?

Uncovering cybercrime, cyber espionage, and other networking threats are just some of the exciting cybersecurity jobs spanning across every industry. Learn the skills to join this fast-growing field and take advantage of the opportunities found in security operation centers. Feel confident that you are helping make the world a safer place by pursuing a role in this field.

In this course you will learn security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies procedures. This course also aligns with the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework to support consistent communication language for cybersecurity education, training, and workforce development.

Recommended preparation: Introduction to Cybersecurity or Cybersecurity Essentials.

You'll Learn These Core Skills:

- Deepen knowledge in how best to detect and respond to security incidents.
- Gain job-ready, practical skills in cybersecurity operations.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Prepare for Cisco Certified CyberOps Associate Certification.

Duration:	**10 Months (January 2022 – October 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**Badge and Certification Aligned**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**

5. DevNet Associate

Infrastructure Automation

DevNet Associate

Now more than ever, IT teams need partnerships between network engineers, software developers, and cybersecurity professionals. Together, these professionals create integrated, secure infrastructures and exciting new innovations.

By Cisco Networking Academy in collaboration with Cisco DevNet

Software Skills That Transform IT Infrastructure

Embark on your journey to DevNet Associate certification. Develop software skills needed to become a vital part of today's IT teams. You'll learn the best practices of modern software development practices, DevOps, and how to securely interact with Application Programming Interfaces (APIs) to automate existing manual processes with only a few lines of code.

Prior knowledge of PCAP: Programming Essentials in Python and CCNA: Introduction to Networks (ITN) or equivalent knowledge is recommended.

You'll Learn These Core Skills:

- Practice software development skills, including Python, GIT, and common data formats (XML, JSON, and YAML).
- Become familiar with infrastructure automation using code, DevOps methodology, and microservices.
- Deploy applications as containers and use Continuous Integration/Continuous Deployment (CI/CD) pipelines.
- Develop critical thinking and problem-solving skills using Cisco Packet Tracer and virtual machines.

Duration:	**10 Months (January 2022 – October 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (3 Hour online weekly sessions)**
Certification:	**Badge and Certification Aligned**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**

6. Python Associate

How great would it be to write your own computer program? Python is a multi-paradigm programming language used by startups and tech giants like Google, Facebook, Netflix, and more. With intuitive, readable syntax, Python is a great first programming language to learn.

Programming skills open you up to careers in almost any industry and are required if you want to continue to more advanced and higher paying software development and engineering roles.

This course is a great place to start learning Python – no prior programming knowledge required. Completing the course earns you a Statement of Achievement. It is split into two parts preparing you for two certifications:

- Part 1 (PE1: 35 hours) prepares you for PCEP – Certified Entry-Level Python Programmer Certification.
- Part 2 (PE2: 40 hours) prepares you for PCAP – Certified Associate in Python Programming Certification.

You'll learn these core skills:

- Think algorithmically – how to analyze a problem and translate it for a computer to process.
- Design, develop, and improve multi-module computer programs.
- Analyze and model real-life problems in Object-Oriented Programming categories.
- Understand a programmer's work in the software development process.
- Learn how a program is executed in a computer environment.
- Gain skills to create and develop your own programming portfolio.

Duration:	**10 Months (January 2022 – October 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**Badge and Certification Aligned**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**

7. Internet of Things

IoT Fundamentals: Big Data & Analytics

Add skills in the growing field of collecting and analyzing big data.

By Cisco Networking Academy

Big Data = Game-changing Insights

Architectures and processes of the past are making way for more modern, real-time applications thanks to IoT (Internet of Things) systems and the data they collect. Dynamic data platforms are being built, and our ability to extract data using the latest analytics techniques is growing. So why not gain an edge and increase your employability by learning new skills? Skills such as collecting, storing, and visualizing data obtained from IoT sensors are in high demand. Be one of the few who know how to use data analytics to gain amazing insights from the intelligence produced. Insights that can help businesses make more-informed decisions. Prerequisite: IoT Fundamentals: Connecting Things is recommended.

You'll Learn These Core Skills:

- Use Python to create code that reads data from sensors and stores it in a SQL database.
- Visualize, clean, manipulate and integrate data sets.
- Learn fundamental principles of Big Data platforms like Hadoop.
- Use storytelling to present insights gained from extracted data.

Duration:	**8 Months (January 2022 – August 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**Badge and Certification Aligned**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**

COMPTIA COURSE BREAKDOWN

1. CompTIA A+

CompTIA A+ certified professionals are proven problem solvers. They support today's core technologies from security to cloud to data management and more. CompTIA A+ is the industry standard for launching IT careers into today's digital world.

- The only credential with performance-based items to prove pros can think on their feet to perform critical IT support tasks in the moment
- Trusted by employers around the world to identify the go-to person in end point management & technical support roles
- Regularly re-invented by IT experts to ensure that it validates core skills and abilities demanded in the workplace

The CompTIA A+ Core Series requires candidates to pass two exams: Core 1 (220-1001) and Core 2 (220-1002) covering the following new content:

- Demonstrate baseline security skills for IT support professionals
- Configure device operating systems, including Windows, Mac, Linux, Chrome OS, Android and iOS and administer client-based as well as cloud-based (SaaS) software
- Troubleshoot and problem solve core service and support challenges while applying best practices for documentation, change management, and scripting
- Support basic IT infrastructure and networking
- Configure and support PC, mobile and IoT device hardware
- Implement basic data backup and recovery methods and apply data storage and management best practices

Duration: 8 Months (January 2022 – August 2022)
Level: Intermediate
Learning Type: Instructor-led (2 Hour online weekly sessions)

Certification: International Exam

Fees;   R500.00 Non-refundable registration fee
                      R349/month Tuition fee

Stationary: 2 Books R550.00
Exam Voucher: 2 Exam Vouchers R1782

2. CompTIA N+

CompTIA Network+ validates the technical skills needed to securely establish, maintain and troubleshoot the essential networks that businesses rely on.

Unlike other vendor-specific networking certifications, CompTIA Network+ prepares candidates to support networks on any platform. CompTIA Network+ is the only certification that covers the specific skills that network professionals need. Other certifications are so broad, they don't cover the hands-on skills and precise knowledge needed in today's networking environments.

CompTIA Network+ features flexible training options including self-paced learning, live online training, custom training and labs to advance the career development of IT professionals in network administration.

The new CompTIA Network+ N10-008 will be available 9/15. CompTIA Network+ N10-007 (English language version) will retire June 2022.

Duration:	**8 Months (January 2022 – August 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**International Exam**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**
Stationary:	**1 Book R353.00**
Exam Voucher:	**2 Exam Vouchers R2602**

3. Linux+

The new CompTIA Linux+ is for the IT pro who will use Linux to manage everything from cars and smartphones to servers and supercomputers, as a vast number of enterprises use Linux in cloud, cybersecurity, mobile and web administration applications.

In the new CompTIA Linux+, candidates are only required to pass one exam for certification. However, the new certification is no longer eligible for the LPI 2-for-1 offer.

- CompTIA Linux+ is the only job-focused Linux certification covering the latest foundational skills demanded by hiring managers.
- Unlike other certifications, the new exam includes performance-based and multiple-choice questions to identify the employees who can do the job.
- The exam covers tasks associated with all major distributions of Linux, setting the foundation for advanced vendor/distro-specific knowledge.

CompTIA Linux+ covers common tasks in major distributions of Linux, including the Linux command line, basic maintenance, installing and configuring workstations, and networking.

Duration:	**8 Months (January 2022 – August 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**International Exam**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**
Stationary:	**1 Book R353.00**
Exam Voucher:	**2 Exam Vouchers R2602**

4. Server+

CompTIA Server+ is a global certification that validates the hands-on skills of IT professionals who install, manage and troubleshoot servers in data centers as well as on-premise and hybrid environments.

CompTIA Server+ is the only certification that can ensure that IT professionals at the administrator level are able to do the job in any environment because it is the only certification not restricted to a single platform. The exam covers essential hardware and software technologies of on-premise and hybrid server environments including high availability, cloud computing and scripting. The new exam includes performance-based questions that require the candidate to demonstrate multi-step knowledge to securely deploy, administer and troubleshoot servers.

CompTIA Server+ now features flexible training options including self-paced learning, live online training, custom training and labs to advance the career development of IT professionals in server administration.

The new CompTIA Server+ SK0-005 is now available. CompTIA Server+ SK0-004 (English language version) will retire January 7, 2022.

Duration:	**8 Months (January 2022 – August 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**International Exam**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**
Stationary:	**1 Book R353.00**
Exam Voucher:	**2 Exam Vouchers R2602**

5. Cloud+

CompTIA Cloud+ is a global certification that validates the skills needed to deploy and automate secure cloud environments that support the high availability of business systems and data.

CompTIA Cloud+ is the only performance-based IT certification that views cloud-based infrastructure services in the context of broader IT systems operations regardless of the platform. Migrating to the cloud presents opportunities to deploy, optimize, and protect mission critical applications and data storage. CompTIA Cloud+ validates the technical skills needed to secure these valuable assets.

The reality of operating multicloud environments poses new challenges. CompTIA Cloud+ is ideal for cloud engineers who need to have expertise across multiple products and systems.

CompTIA Cloud+ is the only cloud focused certification approved for DoD 8570.01-M, offering an infrastructure option for individuals who need to certify in IAM Level I, CSSP Analyst and CSSP Infrastructure Support roles.

CompTIA Cloud+ now features flexible training options including self-paced learning, live online training, custom training and labs to advance the career development of IT professionals in server administration.

The new CompTIA Cloud+ CV0-003 is now available. CompTIA Cloud+ CV0-002 (English language version) will retire January 7, 2022.

Duration: 8 Months (January 2022 – August 2022)

Level: Intermediate

Learning Type: Instructor-led (2 Hour online weekly sessions)

Certification: International Exam

Fees;   R500.00 Non-refundable registration fee
                       R349/month Tuition fee

Stationary: 1 Book R353.00

Exam Voucher: 2 Exam Vouchers R2602

6. Security+

CompTIA Security+ is a global certification that validates the baseline skills necessary to perform core security functions and pursue an IT security career.

Why is it different?

- **More choose Security+** - chosen by more corporations and defense organizations than any other certification on the market to validate baseline security skills and for fulfilling the DoD 8570 compliance.
- **Security+ proves hands-on skills** – the only baseline cybersecurity certification emphasizing hands-on practical skills, ensuring the security professional is better prepared to problem solve a wider variety of today's complex issues.
- **More job roles turn to Security+ to supplement skills** – baseline cybersecurity skills are applicable across more of today's job roles to secure systems, software and hardware.
- **Security+ is aligned to the latest trends and techniques** – covering the most core technical skills in risk assessment and management, incident response, forensics, enterprise networks, hybrid/cloud operations, and security controls, ensuring high-performance on the job.

About the exam

The new Security+ (SY0-601) is now available.

CompTIA Security+ is the first security certification a candidate should earn. It establishes the core knowledge required of any cybersecurity role and provides a springboard to intermediate-level cybersecurity jobs. Security+ incorporates best practices in hands-on troubleshooting, ensuring candidates have practical security problem-solving skills required to:

- **Assess** the security posture of an enterprise environment and recommend and implement appropriate security solutions
- **Monitor and secure** hybrid environments, including cloud, mobile, and IoT
- **Operate** with an awareness of applicable laws and policies, including principles of governance, risk, and compliance
- **Identify, analyze, and respond** to security events and incidents

Security+ is compliant with ISO 17024 standards and approved by the US DoD to meet directive 8140/8570.01-M requirements. Regulators and government rely on ANSI accreditation, because it provides confidence and trust in the outputs of an accredited program. Over 2.3 million CompTIA ISO/ANSI-accredited exams have been delivered since January 1, 2011.

Duration:	**8 Months (January 2022 – August 2022)**
Level:	**Intermediate**
Learning Type:	**Instructor-led (2 Hour online weekly sessions)**
Certification:	**International Exam**
Fees;	**R500.00 Non-refundable registration fee** **R349/month Tuition fee**
Stationary:	**1 Book R403.00**
Exam Voucher:	**2 Exam Vouchers R2843**