2026

ANGIE TECHNOLOGIES
ATECHS
IT CONSULTING

QCTO

CompTIA

# ABOUT US

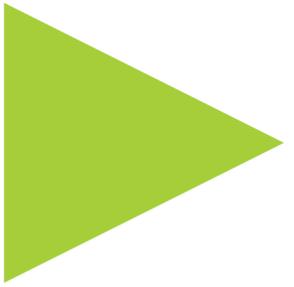**Angie Technologies (PTY) Ltd** has partnered with CompTIA to bring you internationally recognized certifications from CompTIA.

The Institution is accredited by the Quality Council on Trades and Occupations (QCTO), Accreditation No.SDP070224225817.

Our programmes are recorded on the National Quality Framework (NQF) by the South African Qualification Authority (SAQA).

CompTIA.

QCTO
Quality Council for Trades & Occupations

SAQA
SOUTH AFRICAN QUALIFICATIONS AUTHORITY

## QCTO QUALIFICATIONS

**QCTO**
Quality Council for Trades & Occupations

# Occupational Certificate

## Artificial Intelligence Software Developer

## COURSE OVERVIEW

Artificial Intelligence offers a promising future, studying this qualification will enable students to teach the machine to solve problems the way human would using programming. Students learn to create, test and deploy code, allowing students to craft technologies that are integrated into how humans would normally act.

### COURSE REQUIREMENTS

The minimum entry requirements for this qualification is: NQF level 4 qualification (grade 12/NSC) with CAT/Computer Science highly recommended.

### CAREER OPPORTUNITIES

AI Software Engineer
Deep Learning Engineer
Natural Language Processing (NPL) Engineer
Computer Vision Engineer
AI Application Developer

# Occupational Certificate: Artificial Intelligence Software Developer (NQF 5)
## 1 Year (Credits 209), SAQA ID 118792

## STUDY METHODS | DURATION

- Day Classes (Full time) - 12 months 5 days/week
- Evening Classes (Part time) - 18 months
- Distance Learning

### PROGRAMME OUTLINE
### Modules

Artificial Intelligence Fundamentals
Applied Mathematics
Analytical and Design Thinking Techniques
Data Engineering
Computing Fundamentals
Machine Learning
Deep Learning

# QCTO QUALIFICATIONS

**QCTO**
Quality Council for Trades & Occupations

# Occupational Certificate

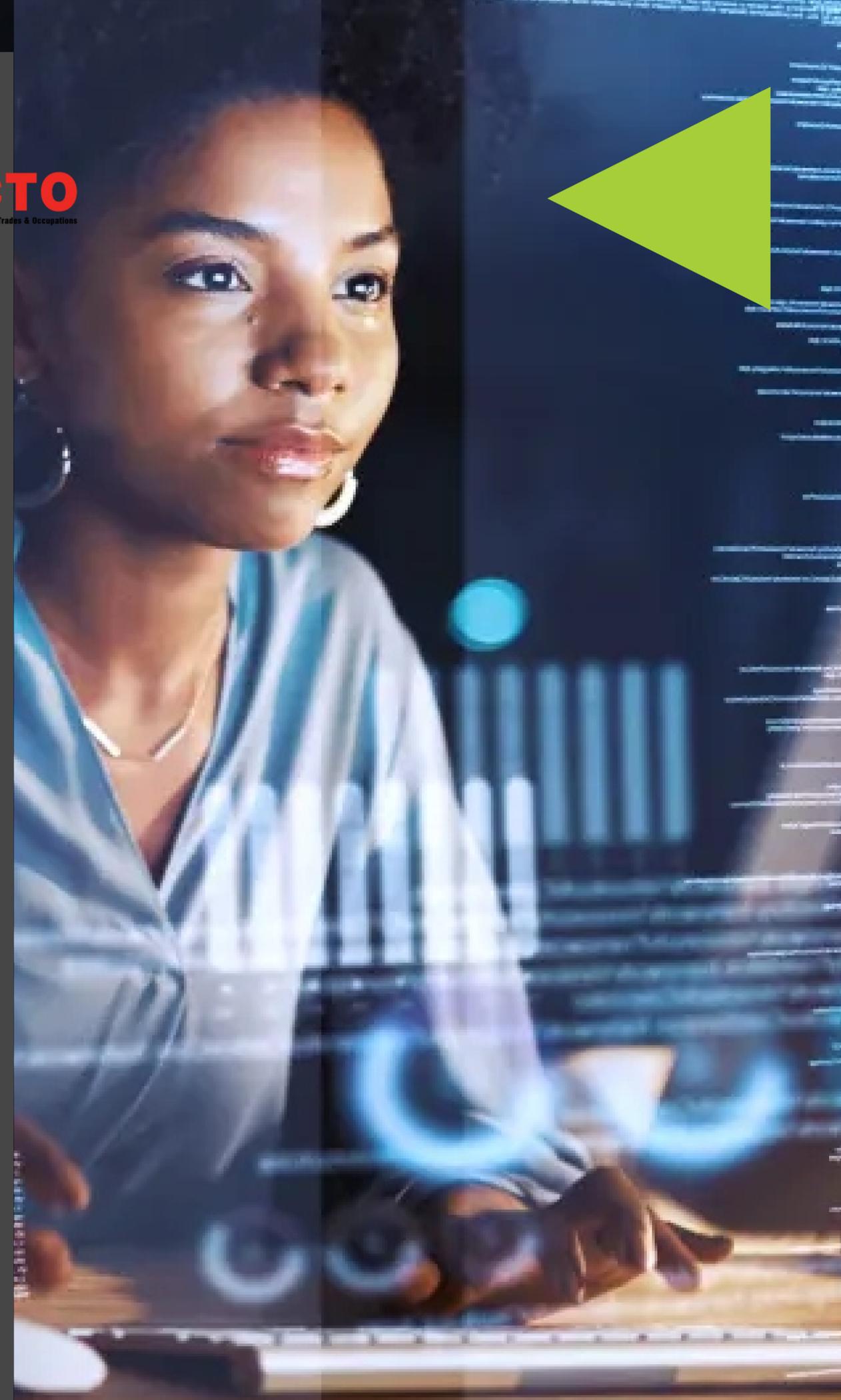## Internet of Things Developer

## COURSE OVERVIEW

This qualification prepares students to function as an Internet-of-Things Developer. An Internet-of-Things Developer coordinates all components of an IoT solution that includes sensors, devices, actuators, networks and other infrastructure to aggregate and disseminate data, store the data on the cloud and make it available to the data scientist for decision making.
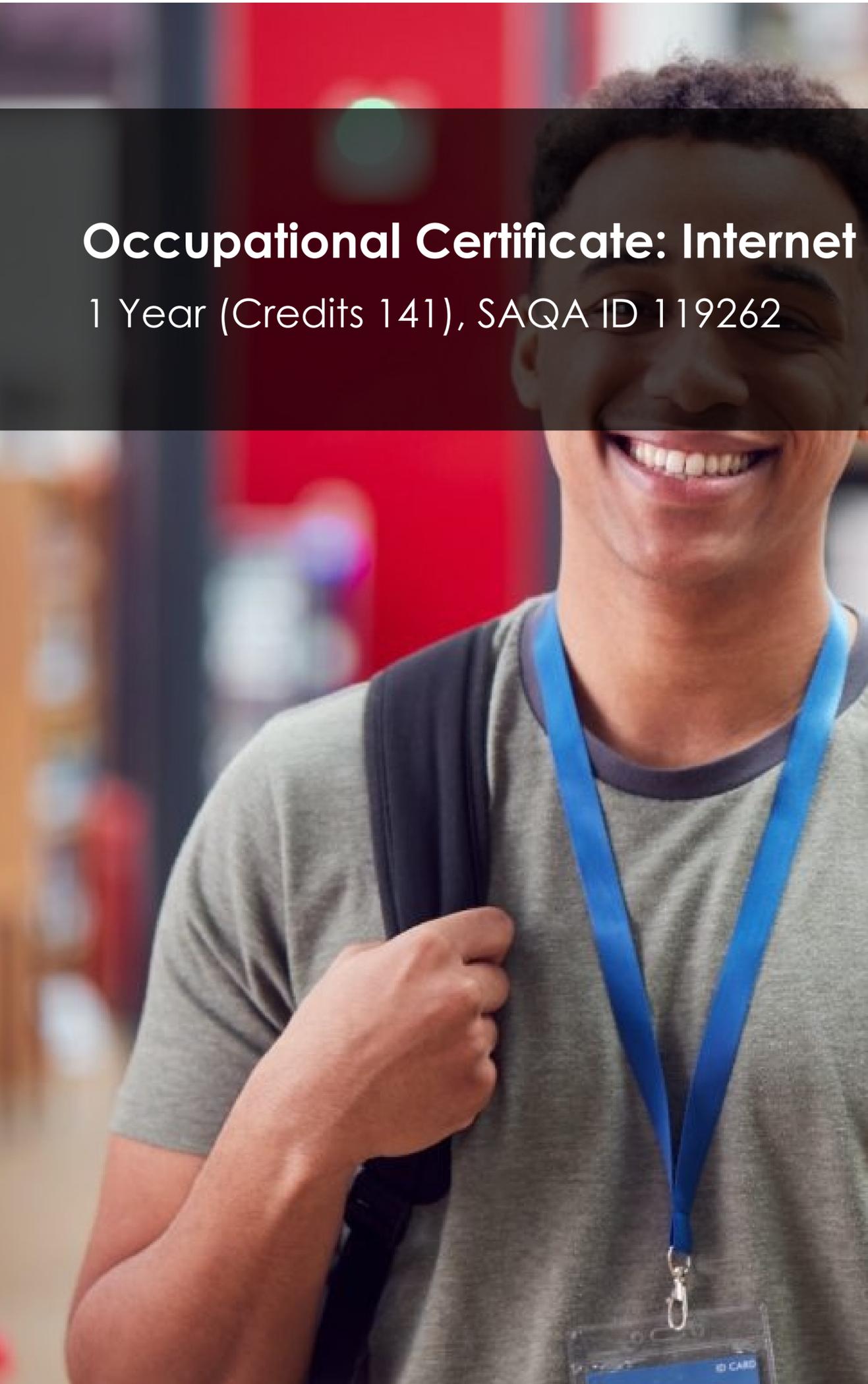
## COURSE REQUIREMENTS

The minimum entry requirements for this qualification is: NQF level 3 qualification (grade 11).

## CAREER OPPORTUNITIES

IoT Developer
IoT Deployment Specialist
IoT Data Scientist
AWS Cloud Practitioner
Microsoft Azure IoT Developer
Helpdesk Technician

# Occupational Certificate: Internet of Things Software Developer (NQF 4)

1 Year (Credits 141), SAQA ID 119262

## STUDY METHODS | DURATION

- Day Classes (Full time) - 12 months 5 days/week
- Evening Classes (Part time) - 12 months
- Distance Learning

## PROGRAMME OUTLINE
### Modules

Introduction to Internet of Things
IoT Computing Architecture
IoT Development
Introduction to Databases
Advanced IoT Principles

## Teaching and Learning Methodology

A blended teaching and Learning methodology is followed. All theory classes will be conducted Virtually through Lecture-led interactive teaching. A flipped classroom approach will be followed in some sessions. This means that students are introduced to content at home and practice working through it during applicable sessions.

All students will be allocated to lectures that are not necessarily based at the campus for enrolment but who will always be subject matter experts.

Students will attend some practical, group, and research sessions on campus or virtually. The same work and time will be spent on both methods, face to face and Virtually, with students. Extra practical sessions can be booked with the Campus Manager, Students will be expected to attend the practical, group and research classes on campus a minimum of two days a week as per the schedule.

## Textbooks and e-guides

A list of prescribed textbooks will be provided in your e-guides. Students will receive an electronic version of the academic guides (e-guides) for these programmes on the Teaching and Learning Platform. Access is available to an electronic library of textbooks on Moodle, and it is in the fees.

## Technology hardware, software and data requirements

Because Angie Technologies is embracing the future of education beyond the classroom, it is compulsory for students to have their own laptop with the necessary specifications to speed up their journey to success.

## Student Support

Student support sessions with the facilitator will also take place on a one -on-one basis either virtually or physically at the campus per appointment or per academic schedule.

## External Summative Assessment Certification

In order to qualify for the external summative assessment learners must have a copy of completed and signed Statement of Work Experience as well as proof of successful completion of the Knowledge Modules and Practical Modules. Upon completion of this course, students will be awarded and Occupational Certificate from the QCTO.

# CompTIA CERTIFICATIONS

## Why CompTIA Certifications Matters

In today's fast-paced technology landscape, certifications are essential for staying competitive and showcasing your expertise to employers. CompTIA certifications are internationally recognized and respected, opening doors to a variety of IT roles.

## Benefits of CompTIA Certifications?

- **Industry Recognition:** Employers value CompTIA certifications as mark of competency.

- **Career Advancement:** Open doors to IT roles and advance your career.

- **Salary Potential:** Certified processionals often earn higher salaries.
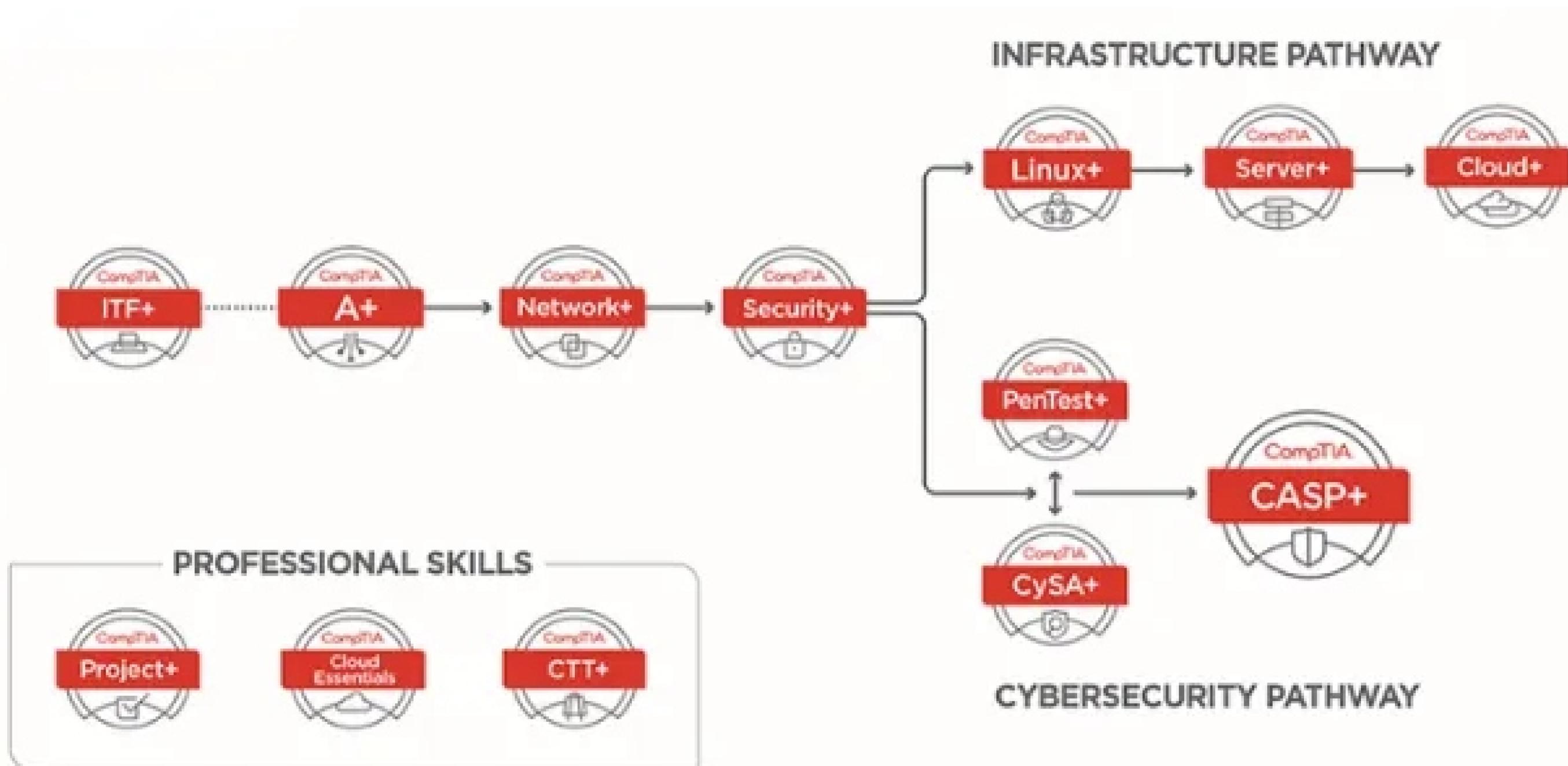
## Prerequisite

There are no strict prerequisites (like a required education or prior certifications) to take most CompTIA exams, making them great starting points, but CompTIA recommends basic IT knowledge and suggests a logical path, often starting with A+, then Network+, then Security+, with suggested experience helping you build foundational skills before more advanced certificates.

# CompTIA CERTIFICATIONS PATHWAY

CompTIA Career Pathways provide a structured and comprehensive roadmap for learners to excel in high-demand IT careers, AI/Data, Cloud, Cybersecurity, Digital Skills, Networking and Tech Support. These pathways are designed to align with IT job roles,equipping students with the essential knowledge and hands-on skills needed to succeed in the workforce.



**INFRASTRUCTURE PATHWAY**

CompTIA ITF+ ····· CompTIA A+ → CompTIA Network+ → CompTIA Security+

CompTIA Linux+ → CompTIA Server+ → CompTIA Cloud+

CompTIA PenTest+

CompTIA CASP+

CompTIA CySA+

**PROFESSIONAL SKILLS**

CompTIA Project+    CompTIA Cloud Essentials    CompTIA CTT+

**CYBERSECURITY PATHWAY**

# CompTIA Certifications Offered

## CompTIA N+

CompTIA Network+ is the premier certification for validating your knowledge of essential networking tools and concepts. You will be assessed on your abilities in network connectivity, documentation, service configuration, data centre, cloud, virtual networking, monitoring, troubleshooting, and security hardening. This certification prepares you for jobs in technical support, network operation, and system administration.

## COURSE CONTENT

**1.0** Explain the functions and applications of various network devices
**2.0** Network operations
**3.0** Network security
**4.0** Troubleshooting
**5.0** Industry standards, practices and network theory

## This Course is ideal for:

- IT professionals working in network administration or support
- Helpdesk technicians looking to advance into networking roles
- Individuals persuing CompTIA Network+
- Anyone interested in network security and infrastructure

# CompTIA

## CompTIA Security+

CompTIA Security+ is the premier global certification that establishes the essential skills required for the core security functions and a career in IT security. It showcases professionals' capabilities in security networks, applications and devices, ensuring data integrity, confidentiality and availability. CompTIA Security+ focuses on practical, hands-on skills to tackle real-world challenges. As the most widely recognized credential, it is invaluable for advancing in the dynamic field of cybersecurity.

## COURSE CONTENT

**1.0** Network Security
**2.0** Compliance and Operational Security
**3.0** Threats and Vulnerabilities
**4.0** Application, Data and Host Security
**5.0** Access Control and Identity Management
6.0 Cryptography

## This Course is ideal for:

- IT professionals looking to specialise in cybersecurity
- Security analysts and administrators securing IT environments
- Individuals pursuing CompTIA Security+ certification
- Anyone interested in network security and risk management

# CompTIA CySA+

CompTIA Cybersecurity Analyst (CySA+) is the premier certification for cyber professionals tasked with incident detection, prevention, and response through continuous security monitoring. It validates a tech professional's expertise in incident response and vulnerability management processes, emphasizing the critical communication skills necessary for effective security analysis and compliance.

## COURSE CONTENT

**1.0** Security Operations
**2.0** Vulnerability Management
**3.0** Incident Response Management
**4.0** Reporting and Communication

## This Course is ideal for:

- IT professionals looking to specialise in cybersecurity
- Security analysts and administrators securing IT environments
- Individuals pursuing CompTIA Cybersecurity Analyst+ certification
- Anyone interested in network security and risk management

# CompTIA.

## CompTIA Cloud+

CompTIA Cloud+ is a vendor-neutral IT certification validating skills to implement, manage, and troubleshoot cloud infrastructure services, covering architecture, operations, security, and automation across public, private and hybrid environments. It focuses on practical, foundational cloud knowledge, complementing vendor-specific certs like AWS or Azure and helps professionals transition IT workloads to the cloud.

## COURSE CONTENT

**1.0** Cloud Architecture
**2.0** Deployment
**3.0** Operations
**4.0** Security
**5.0** DevOps Fundamentals
6.0 Troubleshooting

## This Course is ideal for:

- Systems administrators and cloud engineers
- IT professionals responsible for designing, deploying and managing cloud infractructures
- Anyone seeking a vendor-neutral certification to complement AWS, Azure or Google Cloud

# CompTIA

## CompTIA Data+

CompTIA Data+ is an early-career data analytics certification proving skills in mining, manipulating, visualizing, and analyzing data, plus applying statistics and ensuring governance, to support data-driven business decision across the entire data lifecycle. It's for roles like data analysts, marketing specialists, or financial analysts, validating practical, non-tool-specific knowledge in areas like data acquisition, cleansing, visualization, and quality control, valuable for making organizations more data-literate and efficient.

### COURSE CONTENT

**1.0** Data Concepts and Environments
**2.0** Data Mining
**3.0** Data Analysis
**4.0** Data Visualization
**5.0** Data Governance, Quality and Controls

### This Course is ideal for:

- Early-Career Data Professionals
- Business Intelligence (BI) Professionals
- Business Professionals with Data Responsibilities
- IT Professionals Pivoting to Data

# CompTIA.

## CompTIA  AI Essentials

CompTIA AI Essentials is an introductory, beginner friendly online course and certification designed to build foundational knowledge and practical skills for working with AI tools like ChatGPT, Copilot, and Gemini, covering topics from core concepts and prompt engineering to ethical considerations for tech and non-tech professionals wanting to use AI effectively in daily work.
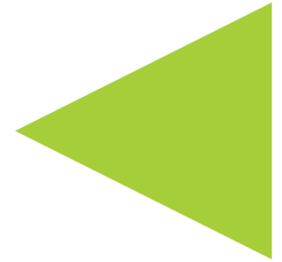
## COURSE CONTENT

**1.0** Fundamentals
**2.0** Practical Use
**3.0** Ethical Consideration
**4.0** AI Mindset

## This Course is ideal for:

- Tech and non-tech professionals in any role
- Students and career changers
- Knowledge workers expected to use AI tools
- Organizations upskilling their workforce

# CompTIA Exams

## Online exam

Exams are proctored and can be taken at authorized testing centers or online. Online testing offers you the ease and convenience to test for your certification from any quiet, distraction-free and secure location at anytime.

Choose online If you want:
- A secure and easy way to test from home, a closed-door office or any place that has a private area available to you.
- The flexibility to schedule your exam at any hour convenient to you.
- Technical support if something goes wrong during your exam session.

What you will need?
- Quiet, enclosed, private location
- Reliable device that meets system requirements and has a webcam
- Strong, consistent internet connection with a minimum speed of 1 Mbps down/up

## In-person exam

In-person Testing provides you with testing options at any of the thousands of Pearson VUE test centers located around the world.

Choose online If you want:
- Don't have access to a private, distraction-free location.
- Don't have reliable Internet access.
- Have limited understanding of written and spoken English or other language barriers.

## How do I purchase CompTIA vouchers from Angie Technologies?

**Step 1:**
Browse selection of certifications.

**Step 2:**
Choose if you want only the exam voucher or full package with access to learning labs and material.

**Step 3:** Pay into our banking details and send an email to info@atechs.co.za with your proof of payment.

**Step 4:** Our agents will share the voucher with you on email within 48 hours.

## What to expect after the Exam

- Receive your exam results and official CompTIA certification badge.
- Update your resume and LinkedIn profile to showcase your achievement.
- Stay informed about recertification requirements to maintain your credentials.

# FAQ's

**Q: What are CompTIA certifications?**
**A:** CompTIA certifications are industry-recognized credentials that validate your skills and knowledge in various IT domains. They help you stand out in the competitive job market and demonstrate your expertise to employers.

**Q: Which certifications are included in the CompTIA package you're offering?**
**A:** We're excited to offer the CompTIA Network+, Security+,CySA+, Cloud+, Data+, AI Essentials.

**Q: Who should consider earning CompTIA certifications?**
**A:** CompTIA certifications are suitable for individuals at various stages of their IT careers, including beginners and experienced professionals.

**Q: What are the benefits of earning CompTIA certifications?**
**A:** CompTIA certifications offer several benefits, including increased job opportunities, improved earning potential, industry recognition, and a validated skill set that employers value.

**Q: How do I prepare for CompTIA exams?**
**A:** Prepare for your exams by using official CompTIA study materials, practice exams, online courses, and study groups. Dedicate time to studying and hands-on practice to build confidence in your skills.

**Q: Can I take the exams online or do I need to go to a testing center?**
**A:** CompTIA offers both options. You can take exams at authorized testing

**Q: How long are CompTIA certifications valid for?**
**A:** CompTIA certifications are valid for three years from the date of certification. To maintain your certification, you'll need to participate in continuing education activities or retake the latest version of the exam.

**Q: Can I find study materials and resources online?**
**A:** Yes, CompTIA provides official study materials, practice exams, and resources on their official website. You can also explore additional resources, such as online courses and study guides, to supplement your learning.

**Q: Are there any prerequisites for CompTIA certifications?**
**A:** There are no strict prerequisites for these certifications, making them accessible to a wide range of individuals. However, having some basic IT knowledge and skills will be beneficial.

**CONTACT US:**

If you still have any queries and concerns, you can email to info@atechs.co.za