Take your next step now! Follow through on your decision to enhance your life and your future prospects by enrolling in one of INTEC’s Computer Networking courses today!

Why study with us?
• Quality study material designed specifically for home study.
• The freedom to study at YOUR own pace, where and when it suits YOU.
• The widest range of courses for today’s world.
• Free consultations with INTEC’s career counselling and development specialists.
• Free study choice advice from INTEC’s Student Consultants.
• The convenience of online enrolment, contact and advice.
• Affordable, easy payment options.
• Ongoing study support and attention from qualified tutors.

Umalusi Accreditation
INTEC College (Pty) Ltd has been awarded provisional accreditation by Umalusi. Umalusi is the Council for Quality Assurance in General and Further Education and Training in South Africa - see www.umalusi.org.za
Umalusi Provisional Accreditation No.: FET 00037 PA.

DHET Registration
INTEC College (Pty) Ltd has been granted provisional registration by the Department of Higher Education and Training as a private FET College, until 31 December 2014. Provisional registration No. 2008/FE07/025 - see www.dhet.gov.za. For further information please refer to our website: www.intec.edu.za

INTEC College (Pty) Ltd is committed to meeting legislative requirements regarding accreditation and registration of private education and training providers in South Africa.

Wishing you every success in your studies and your future!

Phillip Slatter
INTEC College Principal
## Contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>2</td>
</tr>
<tr>
<td>CompTIA Network+Certification</td>
<td>3</td>
</tr>
<tr>
<td>CompTIA Linux+ Powered by LPI Certification</td>
<td>5</td>
</tr>
<tr>
<td>CompTIA Cloud Essentials Certification</td>
<td>7</td>
</tr>
<tr>
<td>CompTIA Storage+ Powered by SNIA Certification</td>
<td>9</td>
</tr>
<tr>
<td>Microsoft IT Academy Program Member</td>
<td>11</td>
</tr>
<tr>
<td>Microsoft Technology Associate (MTA) Certification</td>
<td>13</td>
</tr>
<tr>
<td>Microsoft Technology Associate (MTA)</td>
<td>15</td>
</tr>
<tr>
<td>Standard PC Requirements</td>
<td>17</td>
</tr>
</tbody>
</table>
As a Networking Engineer, internationally recognised certifications will give you the credentials required to pursue a rewarding and satisfying career in the IT industry. With international certification, your passport around the world starts here! With Microsoft and CompTIA certification you will become proficient in the following aspects of Networking:

- Analysing business requirements for system architecture;
- Designing solutions; and
- Deploying, installing and troubleshooting system problems.

An International Certification will give you the recognition and the credentials required in the IT industry.

Programme Types offered at INTEC College

- **National Qualifications** are credit-bearing qualifications registered on the NQF (National Qualifications Framework) and accredited by a Quality Assurance Body, such as a SETA (Sector Education and Training Authority). A skills programme is an accredited component of a national qualification.

- **Agent Programmes** are programmes for which INTEC offers tuition, but where INTEC does not issue the final certificate. The Agent body issues the final certificate and manages the final examinations.

- **INTEC Programmes** are INTEC’s own programmes that are not linked to the NQF and are not credit-bearing. However, they are in high demand and carry the approval of the INTEC Academic Board. INTEC Programmes fall into FIVE categories:
  - **INTEC Career Programmes** are INTEC’s own programmes that are designed to teach you the skills and knowledge to succeed in a particular career.
  - **INTEC Career Booster courses** are continuous professional development (CPD) short courses that help you add to your current professional knowledge in a particular field, and hence boost your abilities within your career.
  - **INTEC Career Starter courses** are short courses that introduce you to a particular field or career, and that offer you the opportunity to explore an interest or a skills set without having to enrol on a full programme.
  - **INTEC Job Creator courses** are designed to refine your skills in a particular field of interest; to teach you how to make a living from a particular skill, interest or hobby, and to help you start your own business.
  - **INTEC Self-Enrichment courses** are offered for self-enrichment purposes. They will add value to your experience of life in a particular chosen field of interest.
CompTIA Network+ Certification

Network+ is an internationally recognised, vendor-neutral certification which is designed to provide network technicians and support staff with the foundation-level skills they need to install, operate, manage, maintain, and troubleshoot a corporate network.

Programme Type
The CompTIA Network+ Certification is an Agent programme.

Entrance Requirements
Grade 10 (Std 8), or CompTIA A+ Certification, or equivalent, or relevant work experience in an IT support and Networking environment (1 year).

Career Opportunities
CompTIA Network+ certification is aimed at network technicians and support staff.

Course Content
- Networking basics
- Networking ports and protocols
- Routing and switching
- Networking technologies
- Media and connectors
- SOHqO networking
- Wireless networking
- Monitoring and optimisation
- Network access
- Network security
- Troubleshooting
Course Duration
You should be able to complete this course in 12 months.

Assessment and Exam Information
The CompTIA Network+ Certification is externally examined at a Pearson VUE testing centre. You will need access to the following website to locate your nearest testing centre: www.pearsonvue.com

Please note that your exam fee is included in your tuition fee.

Award
On successful completion of your external exams, you will receive your internationally recognised CompTIA Network+ Certification from CompTIA.

Textbooks

Included in this course

* INTEC College reserves the right to change these items, when necessary, without prior notification.

CompTIA is the voice of the world’s information technology (IT) industry and the leading provider of vendor-neutral IT certifications worldwide. Its members are the companies, it’s the forefront of innovation; and the professionals responsible for maximising the benefits organisations receive from their investments in technology. CompTIA is dedicated to advancing industry growth through its educational programs, market research, networking events, professional certifications, and public policy advocacy.

INTEC College is an Authorised CompTIA Gold partner. Enrol with us and benefit from our discounted examination vouchers!
**CompTIA Linux+ Powered by LPI Certification**

CompTIA Linux+ Powered by LPI is a high-stakes, vendor-neutral certification that validates the fundamental knowledge and skills required of junior Linux administrators.

A new benefit for CompTIA Linux+ Powered by LPI candidates is that they may choose, at the time they take the exams, to have their exam record forwarded to the Linux Professional Institute. Certification in CompTIA Linux+ Powered by LPI, attained by passing CompTIA exams LX0-101 and LX0-102, enables candidates to become certified in LPIC-1 as well, enabling further participation in the LPI program if the candidate chooses.

**Programme Type**
The CompTIA Linux+ Certification is an Agent programme.

**Entrance Requirements**
Grade 12 (Std.10) with recommended certification in CompTIA A+ and/or CompTIA N+ or equivalent, or relevant work experience (2 years).

**Course Content**
- Installing and using Linux
- File and directory management
- System administration
- User environment configuration
- Application management
- System configuration
- Process and module management
- System maintenance
- Networking
- File sharing and printing
- Accessibility and localisation
- Security
- Web environment
- FTP and e-mail services
- Troubleshooting and maintenance
Course Duration
You should be able to complete this course within 12 months.

Assessment and Exam Information
The CompTIA Linux+ Certification is externally examined at a Pearson VUE testing centre. You will need access to the following website to locate your nearest testing centre: www.pearsonvue.com.

Please note that your exam fee is included in your tuition fee.

Award
On successful completion of your external exams, you will receive your internationally recognised CompTIA Linux+ Certification from CompTIA.

CompTIA is the voice of the world’s information technology (IT) industry and the leading provider of vendor-neutral IT certifications worldwide. Its members are the companies, it’s the forefront of innovation; and the professionals responsible for maximising the benefits organisations receive from their investments in technology. CompTIA is dedicated to advancing industry growth through its educational programs, market research, networking events, professional certifications, and public policy advocacy.

INTEC College is an Authorised CompTIA Gold partner. Enrol with us and benefit from our discounted examination vouchers!
The CompTIA Cloud Essentials specialty certification demonstrates that an individual knows what cloud computing means from a business and technical perspective, as well as what is involved in moving to and governing the cloud. The CompTIA Cloud Essentials certification exam CLO-001 covers the knowledge and skills in identifying the characteristics of cloud services in a business, including the risks and consequences involved.

Programme Type
The CompTIA Cloud Essentials Certification is an Agent programme.

Entrance Requirements
Grade 12 (Std 10) with one of the following vendor related certifications (CompTIA A+, CompTIA N+, CompTIA Server+, CompTIA Storage+) or MCTS or MCITP or MCSE, or relevant work experience (2 years).

Hardware Requirements
• Intel® Pentium® IV with 300 MHz (or better).
• At least 512 MB of RAM.
• CD-ROM drive.
• A monitor capable of 1024 x 768 screen resolution and 32-bit colour display.
• Internet connection.

Software Requirements
• This course does not require any specific software to be used.

Course Content
• Introduction to Cloud Computing
• Business Value of Cloud Computing
• Technical Perspectives of Cloud Computing
• Technical Challenges of Cloud Computing
• Steps to Successful Adoption of Cloud Services
• ITIL and Cloud Computing
• Identifying Risks and Consequences
Course Duration
You should be able to complete this course in 12 months.

Content
The CompTIA Cloud Essentials certification is externally examined at a Pearson VUE testing centre. You will need access to the following website to locate your nearest testing centre: www.pearsonvue.com

Please note that your exam fee is included in your tuition fee.

Award
On successful completion of your external exams, you will receive your internationally recognised CompTIA Cloud Essentials Certification from CompTIA.

Textbooks
Included in this course

CompTIA is the voice of the world’s information technology (IT) industry and the leading provider of vendor-neutral IT certifications worldwide. Its members are the companies at the forefront of innovation; and the professionals responsible for maximising the benefits organisations receive from their investments in technology. CompTIA is dedicated to advancing industry growth through its educational programs, market research, networking events, professional certifications, and public policy advocacy.

INTEC College is an Authorised CompTIA Gold partner. Enrol with us and benefit from our discounted examination vouchers!
CompTIA Storage+ Powered by SNIA is a vendor-neutral certification that validates the knowledge and skills required of IT storage professionals. The CompTIA Storage+ Powered by SNIA certification exam SGO-001 covers the knowledge and skills required to configure basic networks to include archive, backup, and restoration technologies. Additionally, the successful candidate will be able to understand the fundamentals of business continuity, application workload, system integration, and storage/system administration, while performing basic troubleshooting on connectivity issues and referencing documentation.

Programme Type
The CompTIA Storage+ Powered by SNIA Certification is an Agent programme.

Entrance Requirements
Grade 10 (Std 8) with the following vendor related certifications: CompTIA A+, CompTIA N+ or CompTIA Server+ and computer literacy using a Windows Operating System, or relevant work experience (2 years).

Hardware Requirements
- PC with Intel® Pentium® IV 1 GHz processor or higher
- 1 GB of RAM or higher
- DVD-ROM drive
- Generic monitor (1024 x 768)
- DirectX 9 graphics device with WDDM 1.0 or higher driver

Software Requirements
- Microsoft® Windows® 7.
- Microsoft® Office 2003 or later (only Microsoft® Office PowerPoint is required for this course).

Course Content
- Exploring Storage and Networking Fundamentals
- Describing Physical Networking Hardware
- Examining Disk Technologies
- Identifying Removable Media Technologies
- Describing Modular Storage Arrays and Disk Enclosures
- Examining Storage Network Connectors and Cabling
- Describing Storage Architectures
- Describing Ethernet Network Technologies
- Describing an FC SAN
• Describing Storage Management
• Describing Storage Network Implementation
• Introducing Storage Virtualisation
• Examining Storage Network Management
• Evaluating Storage Performance
• Securing Storage Networks

Course Duration
You should be able to complete this course in 12 months.

Assessment and Exam Information
The CompTIA Storage+ Powered by SNIA certification is externally examined at a Pearson VUE testing centre. You will need access to the following website to locate your nearest testing centre: www.pearsonvue.com

Please note that your exam fee is included in your tuition fee.

Award
On successful completion of your external exams, you will receive your internationally recognised CompTIA Storage+ Certification from CompTIA.

Textbooks

CompTIA is the voice of the world’s information technology (IT) industry and the leading provider of vendor-neutral IT certifications worldwide. Its members are the companies at the forefront of innovation; and the professionals responsible for maximising the benefits organisations receive from their investments in technology. CompTIA is dedicated to advancing industry growth through its educational programs, market research, networking events, professional certifications, and public policy advocacy.

INTEC College is an Authorised CompTIA Gold partner. Enrol with us and benefit from our discounted examination vouchers!
INTEC College is an active member of the Microsoft IT Academy!

Microsoft Certification continues to be a sought-after credential highly valued in the marketplace, and the job market is continuing to grow in areas including technical support, network administration, database development, and administration and application development.

What is the Microsoft IT Academy Program?
The Microsoft IT Academy Program is a membership program that enables academic institutions to deliver training on Microsoft IT Professional, Developer, and Office technologies to their student communities, as well as to offer resources on the latest technologies to their faculty.

With the Microsoft IT Academy Program branding, our institution stands out as a premier, quality IT program member that is supported with up-to-date technology and information provided directly by Microsoft.

The Microsoft IT Academy Program works with academic institutions to offer top-quality education programs on Microsoft technologies in order to help students reach their academic and career potential. The program benefits are as follows:

• Offer world-class technology curriculum to help students acquire cutting-edge, job relevant IT skills.
• Provide rich online learning resources for learning for students’ and instructors’ professional development.
• Link academic learning to real-world job skills to help students graduate with the IT skills they need to become successful in today’s job market.
• Create a skilled workforce for employers so that applicants with the right technology education and skills are available in the workforce.
• Connect students and instructors to Microsoft for continued engagement for lifelong personal and professional technology skills development.
Professional IT skills are highly advantageous. For students and prospective employees, status as a Microsoft Certified Professional translates into enhanced job opportunities in today’s thriving high-tech marketplace.

- Microsoft Certification helps students meet the benchmark. Many companies have integrated Microsoft certification into their hiring decisions. For businesses, certification provides an objective, reliable benchmark to aid in hiring, promoting, and planning employee career paths, or outsourcing services and development. INTEC College can help prepare our students to become job-ready with the business and professional skills they need so that local companies may employ them.

- Microsoft IT Academy Program members are in a select group that will receive early information and training on new product releases, beta versions, guidelines and tips on new courses. This means that our students have access to courses on newly released technologies that will help keep them ahead of the industry curve.
Technology plays a role in virtually every business around the world. Possessing the fundamental knowledge of how technology works and understanding its impact on today’s academic and workplace environment is increasingly important—particularly for students interested in exploring professions involving technology.

For millions of people around the globe, Microsoft Certifications are known and trusted differentiators of an individual’s technology competency. MTA is a new entry-level credential from Microsoft that validates essential technology knowledge, enabling students to explore academic and career options, and take the first step toward building a successful career in technology.

The Microsoft Technology Associate (MTA) certification helps schools teach and validate fundamental technology knowledge, provides students with a foundation for their careers, and helps them gain the confidence they need to succeed in advanced studies. The Microsoft Technology Associate (MTA) certification is the ideal and preferred path to Microsoft’s world-renowned advanced technology certification programs, such as Microsoft Certified Technology Specialist (MCTS) and Microsoft Certified IT Professional (MCITP).

Programme Type
The Microsoft Technology Associate (MTA) Certification is an Agent Programme.

Entrance Requirements
Grade 12 (Std. 10) or CompTIA A+ or CompTIA N+ or MCSE 2003 or INTEC Introduction to Databases Certificate or INTEC Introduction to Programming Certificate, or relevant work experience (2 years).

Assessment and Exam Information
These modules are externally examined at Certiport Testing Centres. To find your nearest testing centre, please visit www.certiport.com/locator

Please note that your exam fee is not included in your tuition fee.

Awards
On successful completion of your external examinations, you will receive your internationally recognised MTA Certification from Microsoft.
To earn an MTA certification, you must pass only one of the following exams.

<table>
<thead>
<tr>
<th>Certification</th>
<th>Exam number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Developer exams</strong></td>
<td></td>
</tr>
<tr>
<td>Software Development Fundamentals:</td>
<td>Exam 98-361</td>
</tr>
<tr>
<td>This exam is designed to provide candidates with an assessment of their knowledge of fundamental software development concepts. It can also serve as a stepping stone to the Microsoft Certified Technology Specialist exams.</td>
<td></td>
</tr>
<tr>
<td>Windows Development Fundamentals:</td>
<td>Exam 98-362</td>
</tr>
<tr>
<td>This exam is designed to allow candidates to assess their knowledge of and skills of developing applications to run on the Microsoft Windows operating system.</td>
<td></td>
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<tr>
<td>Web Development Fundamentals:</td>
<td>Exam 98-363</td>
</tr>
<tr>
<td>This exam is designed to allow candidates to assess their knowledge and skills around Web applications using Microsoft and other technologies.</td>
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</tr>
<tr>
<td>Database Administration Fundamentals:</td>
<td>Exam 98-364</td>
</tr>
<tr>
<td>This exam is designed to allow candidates to assess their knowledge of and skills with databases and operations.</td>
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<tr>
<td>IT Professional exams</td>
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<tr>
<td>Networking Fundamentals:</td>
<td>Exam 98-366</td>
</tr>
<tr>
<td>This exam is designed to provide candidates with an assessment of their knowledge of fundamental networking concepts. It can also serve as a stepping stone to the Microsoft Certified Technology Specialist exams.</td>
<td></td>
</tr>
<tr>
<td>Security Fundamentals:</td>
<td></td>
</tr>
<tr>
<td>This exam is designed to provide candidates with an assessment of their knowledge of fundamental security concepts. It can also serve as a stepping stone to the Microsoft Certified Technology Specialist exams.</td>
<td>Exam 98-367</td>
</tr>
<tr>
<td>Windows Server Administration Fundamentals:</td>
<td>Exam 98-365</td>
</tr>
<tr>
<td>This exam is designed to provide candidates with an assessment of their knowledge of fundamental server administration concepts. It can also serve as a stepping stone to the Microsoft Certified Technology Specialist exams.</td>
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To run the INTEC Networking courses, make sure all equipment is designed for Microsoft Windows Server 2008.

Hardware Requirements
- Personal computer with minimum 1GHz (x86) or 1.6GHz (x64) processor (2GHz or faster recommended).
- 1 GB of RAM or more (4 GB recommended; 8 GB enables you to host all the virtual machines specified for all the practice exercises in your course).
- 40 GB free hard disk space (60 GB recommended; 80 GB enables you to host all virtual machines specified for all the practice exercise in your course).
- DVD-ROM drive or DVD-Writer drive.
- Super VGA (1,024 x 768) or higher resolution video adapter and monitor.
- Keyboard and Microsoft mouse or compatible pointing device.
- Network adapter and media

Platform and Software Requirements
- Windows Server 2008 or Windows Vista or Windows 7. The Network Operating System (NOS), Operating System (OS), or platform depends on the course chosen.

Standard PC Requirements