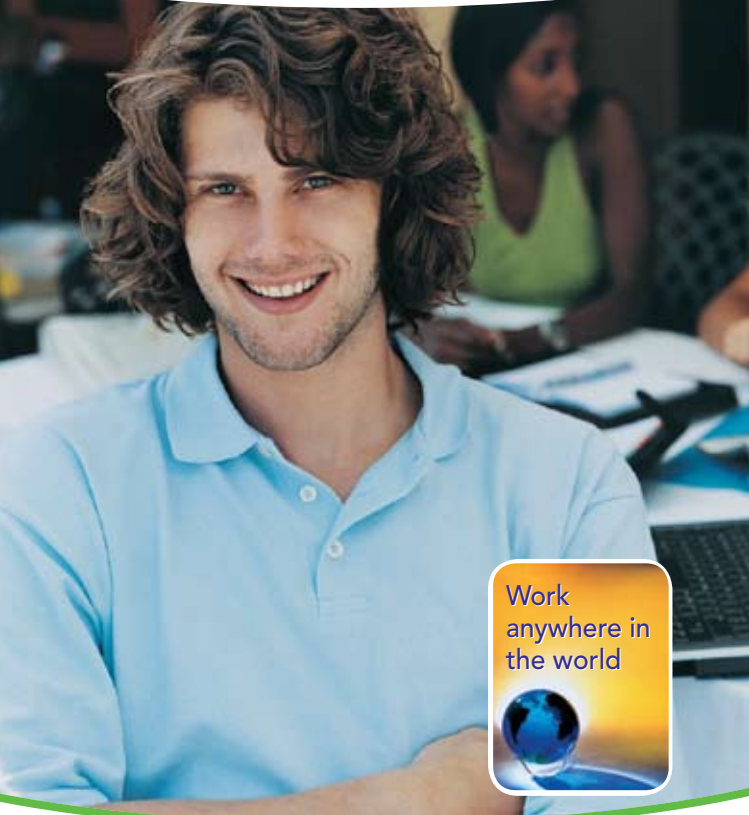


COMPUTER SCHOOL

Computer Networking



Work
anywhere in
the world



iNTEC
COLLEGE
Leader in Distance Learning

Build your future the INTEC way

Launch your Introductory Computer Career the INTEC way!



Why do a Computer course with INTEC?

In today's world, a computer skill, even the most fundamental Word Processing and Data Processing abilities, like using MS Word and MS Excel, will give you the advantage when it comes to finding a job.

Interested in overseas work and travel opportunities? Some of INTEC's computer courses give you the opportunity to achieve an internationally-recognised award – and you don't have to put your life on hold while you do it! Complete the exams through any Prometric Testing Centre in South Africa and gain your passport to the world of computer expertise. Please note that access to a PC is essential.

Programme Types offered at INTEC College

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

Provider Programme **INTEC Provider Programmes** are INTEC's vocational certificates and diplomas that enhance your skills and improve your career opportunities. Provider Programmes are not linked to the NQF, but they are in high demand and carry the approval of the INTEC Academic Board.

Agent Programme **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.

Career Booster **INTEC CareerBooster 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.

Career Starter **INTEC CareerStarter courses** are short courses that introduce you to a particular field or career, and that offer you the opportunity to explore an interest or skills set without having to enroll on a full programme.

Job Creator **INTEC JobCreator courses** were 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.

Self Enrichment **INTEC Self-Enrichment courses** are offered for self-enrichment or job-seeking purposes. They will add value to your experience of life and of a particular chosen field of interest.

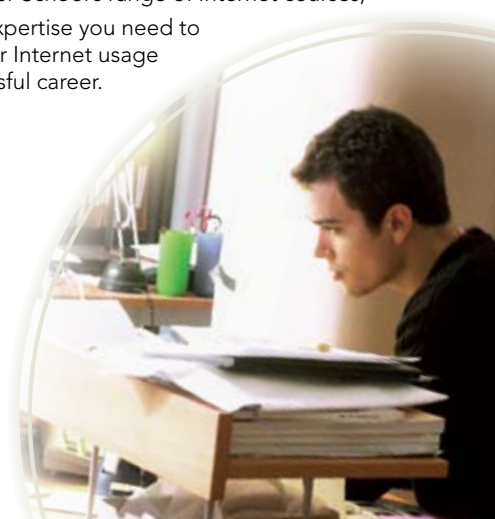
As a Networking Engineer, a Premier Certification will give you the recognition and the credentials to pursue a rewarding and satisfying career.

With International Accreditation, your passport around the world starts here! With Microsoft Certification you will become a professional in the following aspects of Networking:

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

Your Networking Career with INTEC College

With INTEC Computer School's range of Internet courses, you can access the expertise you need to get the most from our Internet usage or to launch a successful career.



CompTIA N+ 2009 Objectives

Agent
Programme

Network+ is an internationally recognised, vendor-neutral certification that proves a technician's competency in managing, maintaining, troubleshooting, installing and configuring basic network infrastructure.

Programme Type

The CompTIA Network+ is an **Agent Programme**.
CompTIA Network+ is a CompTIA certification.

Career Opportunities

Earning an N+ Certification means that you possess the knowledge and customer relations skills essential for being a successful Networking Technician. Once you are a certified N+ Technician, you will be able to provide on-site support for network users in a variety of work environments, including professional offices and small businesses, work groups or departments, and corporate information services (IS). As an N+ professional, you are able to configure and install the TCP/IP client server, essential to business network efficiency.

Entrance Requirements

You must be PC literate. It is recommended that CompTIA Network+ candidates have at least nine months of experience in network support or administration or academic training with a CompTIA A+ certification.

Course Duration

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

Course Content

- Networking Basics
- Wired computer-to-computer connections
- Network-to-network connections
- Wired internetworking devices
- Wired communication standards
- Wireless networking
- Security threats and mitigations
- Security practices
- Network access control
- Monitoring
- Troubleshooting

Assessment

The Network+ Course is externally examined at a Prometric Testing Centre. Please contact your nearest testing centre on **0800 991 120** two weeks in advance, before writing the external CompTIA N+ exam. Please note that your exam fee is not included in your tuition fee.

Award

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

 **CompTIA**

Kit Items

***FREE** Textbooks with this course



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

CompTIA Security+ (2008 Objectives)

Agent
Programme

CompTIA Security+® (2008 Objectives) is the primary course you will need to take if your job responsibilities include securing network services, network devices, and network traffic. In this course, you will build on your knowledge and professional experience with computer hardware, operating systems, and networks as you'll acquire the specific skills required to implement basic security services on any type of computer network. You will implement and monitor security on networks, applications, and operating systems, and respond to security breaches.

Target Student

This course is targeted toward an Information Technology (IT) professional who has networking and administrative skills in Windows-based TCP/IP networks and familiarity with other operating systems, such as OS X, Unix, or Linux, and who wants to further a career in IT by acquiring a foundational knowledge of security topics; prepare for the CompTIA Security+ Certification examination; or use Security+ as the foundation for advanced security certifications or career roles.

Programme Type

The CompTIA Security+ is an Agent Programme.

Entrance Requirements

Basic Windows skills and fundamental understanding of computer and networking concepts are required. Or relevant experience in networking.

Hardware Requirements

To run this course, make sure all equipment is designed for Microsoft Windows Server 2008. You will need one computer for each student and one for the instructor. Each computer will need to meet the recommended hardware specifications for Windows Server 2008 as well as the classroom hardware specifications:

- 1 Ghz or greater processor.
- 512 megabytes (MB) of Random Access Memory (RAM) or greater.
- 40 gigabyte (GB) hard disk or larger.
- Super VGA (SVGA) or higher resolution monitor capable of a screen resolution of at least 800 x 600 pixels, at least 256-colour display, and a video adapter with at least 4 MB of memory.
- Bootable DVD_ROM drive.
- Mouse or compatible tracking device.
- Network adapter and cabling connecting each classroom computer.
- Network interface card and network cabling.
- IP addresses that do not conflict with other portions of your network.
- Internet connectivity is optional.
- The instructor computer will need a display system to project the instructor's computer screen.

Software Requirements

- Microsoft Windows Server 2008, Standard Edition or Enterprise Edition, with sufficient licenses.
- Microsoft Baseline Security Analyzer version 2.1 (MBSASetup-x86-EN.msi), available from <http://technet.microsoft.com/en-us/security/cc184923.aspx>. (You will need to download this tool from a valid copy of Microsoft Windows.)
- The Microsoft Windows Malicious Software Removal Tool (KB890830), available from <http://www.microsoft.com/downloads/details.aspx?familyid=ad724ae0-e72d-4f54-9ab3-75b8eb148356&displaylang=en>.
- The Microsoft Network Monitor 3.1 available from <http://www.microsoft.com/downloads/details.aspx?familyid=18b1d59d-f4d8-4213-8d17-2f6dde7d7aac&displaylang=en>
- Security Update Windows 6.0-KB951746, available from <http://www.microsoft.com/downloads/details.aspx?familyid=1fcea8f4-b233-42e1-b913-c4fcae276c7b&displaylang=en> or by searching for KB951746 on the microsoft.com website.

Course Content

- Security Fundamentals
- Security threats
- Hardening Internal Systems and Services
- Securing Web Applications
- Hardening Internetwork Devices and Services
- Managing Certificates
- Securing Network Communications
- Managing Security Incidents
- Managing Public Key Infrastructure (PKI)
- Monitoring Security Infrastructure
- Enforcing Organizational Security Policies

Assessment

The Security+ Course is externally examined at a Prometric Testing Centre. Please contact your nearest centre on **0800 991 120** two weeks in advance, before writing the CompTIA Security+ (2008 Edition) Certification examination (exam number SYO-201) Please note that your exam fee is not included in your tuition fee.

Award

On successful completion of your external exams, you will receive the internationally recognised Certification in Security+ from CompTIA.



Microsoft Certified Systems Engineer 2003 (MCSE)

Agent Programme

MCSE is Microsoft's Premier Certification for infrastructure professionals who design and deploy Win2003 Server systems environments. Holders of the MCSE in Win2003 are recognised world-wide as the experts in their trade, commanding superior salaries and the best job positions in the IT networking field. The Windows 2003 track of the MCSE credential is designed for IT professionals working in the typically complex computing environment of medium to large organisations.

Programme Type

The Microsoft Certified Systems Engineer 2003 (MCSE) is an **Agent Programme**.

Career Opportunities

A typical Microsoft Engineer will be able to network services and applications including File and Print, Database, Messaging, Proxy Server or Firewall, Dial-in Server, Desktop Management, and Web Hosting. A Microsoft Engineer is also responsible for connectivity needs, including connecting individual offices and users at remote locations to the corporate network and connecting corporate networks to the Internet.

Entrance Requirement

N+ , or 2 years relevant work experience.

Course Duration

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

Course Content

In order to be a fully qualified MCSE you are required to complete 5 Core, 1 Compulsory & 1 Elective (7 exams in total).

Core Networking Exams

Your 4 core network exams are:

- Exam 70-290: Managing and maintaining a Microsoft Windows Server 2003 environment;
- Exam 70-291: Implementing, managing and maintaining a Microsoft Windows Server 2003 network infrastructure;
- Exam 70-293: Planning and maintaining a Microsoft Windows Server 2003 network infrastructure (Core); and
- Exam 70-294: Planning, implementing and maintaining a Microsoft Windows Server 2003 active directory infrastructure.

Core Client Operating System Exam

- Exam 70-270: Installing, configuring administering Microsoft Windows XP Professional.

Design Exams

You may choose 1 of the following options for your design exam:

- Exam 70-297: Design a Microsoft Windows 2003 ServerActive Directory and Network Infrastructure;
- Exam 70-298: Design Security for a Microsoft Window Server 2003 Network; or
- Exam 70-284: Implementing and Managing Microsoft Exchange Server 2003.

General Elective

- Exam 70-228: Installing, Configuring and Administering Microsoft SQL Server 2000 Enterprise Edition.

Assessment

The MCSE Course is externally examined at a Prometric Testing Centre. Please contact your nearest testing centre on **0800 991 120** two weeks in advance, before writing the external Microsoft exam. Please note that your exam fee is not included in your tuition fee.

Award

On successful completion you will receive the internationally recognised Certification in Microsoft Certified Systems Engineer (MCSE) from Microsoft.

Kit Items

FREE textbooks and Kit with this course

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



Microsoft

Microsoft Certified IT Professional (MCITP)

Agent Programme

The Microsoft Certified IT Professional (MCITP) credential is the leading certification for Windows Server 2008. It provides widely recognised, objective validation of your ability to perform critical, current IT job roles by using Microsoft technologies to their best advantage.

Programme Type

Microsoft Certified IT Professional is an **Agent Programme**.

Career Opportunities

The MCITP: Enterprise Administrator certification can help you develop and validate your skills in your current position or advance you toward a future job role, such as:

- Enterprise Systems Administrator
- IT Systems Manager
- Enterprise Security Administrator
- Systems Architect
- Network Administrator

Entrance Requirements

Candidates for this certification are IT Professionals who seek a leadership role in Windows infrastructure design in a current or future job role, in which they work with Windows Server 2008.

You should be experienced in:

- Designing Windows Server Infrastructures.
- Evaluating and recommending new technology solutions.
- Serving as an escalation point for infrastructure issues.
- Developing client and server best practices for other teams, such as engineering, development and operations.
- Keeping policy current for authentication, identity and access management.
- Providing guidance in implementing security policies that affect the infrastructure on multiple levels.
- Participating in application reviews on security, and ensuring that the applications adhere to standard security guidelines and practices.

Course Duration

You should be able to complete this course in 18 months.

Course Content

To earn this certification, you must pass five exams: four Microsoft Certified Technology Specialist (MCTS) prerequisite exams and one Professional Series exam. If you are a Microsoft Certified Systems Administrator (MCSA) or a Microsoft Certified Systems Engineer (MCSE) with Windows Server 2003 certifications, you can follow an upgrade path to multiple MCTS certifications.

Required MCTS Exams

- Exam 70-640 (earns MCTS: Windows Server 2008 Active Directory Configuration);
- Exam 70-642: (earns MCTS: Windows Server 2008 Network Infrastructure Configuration);
- Exam 70-643: (earns MCTS: Windows Server 2008 Applications Infrastructure Configuration);
- Exam 70-620: (earns MCTS: Windows Vista Configuration) or
- Exam 70-624: (earns MCTS: Business Desktop Deployment)

Professional Series Exam

- Exam 70-647 PRO: Windows Server 2008, Enterprise Administrator

Assessment

The MCITP Course is externally examined at a Prometric Testing Centre. Please contact your nearest testing centre on **0800 991 120** two weeks in advance, before writing the external Microsoft exam. Please note that your exam fee is not included in your tuition fee.

Award

On successful completion of your external exams you will receive the internationally recognised Certification in Microsoft Certified IT Professional (MCITP) from Microsoft.

Kit Items

FREE textbooks and Kit with this course

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



INTEC College recommends the following requirements for a standard PC setup. If additional hardware or software is required, you will find this information listed with the specific course information.

- Personal computer with minimum 1GHz (x86) or 1.4GHz (x64) processor (2GHz or faster recommended).
- 512 MB of RAM or more (2 GB recommended; 4 GB enables you to host all the virtual machines specified for all the practice exercises in the book).
- 15 GB free hard disk space (40 GB recommended; 60 GB enables you to host all the virtual machines specified for all the practice exercises in the book).
- CD-ROM drive or DVD-ROM drive.
- Super VGA (1,024 x 768) or higher resolution video adapter and monitor.
- Keyboard and Microsoft mouse or compatible pointing device.

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Interested in working overseas and travel opportunities? Some of INTEC's computer courses give you the opportunity to achieve an internationally-recognised learning programme. You don't have to put your life on hold while you are doing the course. Complete the exams through any Prometric Testing Centre in South Africa and gain your passport to the world of computer expertise.



From the Principal's desk

Take your next step now!

Follow through on your decision to enhance your life and your future prospects by enrolling in INTEC's Computer Networking courses today!



Why study with us?

- Quality study material designed specifically for home-study.
- The freedom to study at YOUR 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 individual attention from qualified tutors.

Umalusi Accreditation

INTEC College (Pty) Ltd has been awarded provisional accreditation by Umalusi, the Council Quality Assurance in General and Further Education and Training - see www.umalusi.org.za. We were among the first private education and training providers to receive provisional accreditation from Umalusi.

Employers are legally permitted to claim from the Skills Levy for investing in their employees education, and are required to quote the following accreditation number: FET 00037 PA.

DoE Registration

INTEC College (Pty) Ltd has been granted provisional registration by the Department of Education as a Private FET College, until 31 December 2014. Registration no. 2008/FE07/025. For further more 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



go to: www.intec.edu.za or email: info@intec.edu.za

Call a Student Consultant:

JOHANNESBURG	Tel: 011 712-2555	Fax: 011 712-2521
CAPE TOWN	Tel: 021 426-0626	Fax: 021 426-0771
PORT ELIZABETH	Tel: 041 363-0840	Fax: 041 363-0888
DURBAN	Tel: 031 374-9700	Fax: 031 301-8184
PRETORIA	Tel: 012 352-9000	Fax: 012 322-6369

INTEC College (PTY) LTD FET 00037 PA is a member of both the National Association of Distance Education Organisations in South Africa (NADEOSA) and the Association of Private Providers of Education, Training and Development (APPETD).

