

INFORMATION TECHNOLOGY

THE INFORMATION TECHNOLOGY (IT) industry is probably one of the most exciting industries world-wide. Rapid technological advances are propelling dramatic changes in the way computers are used to improve our lives.

Graduates have the opportunity to join this exciting industry. They can qualify themselves for a rewarding and incredibly stimulating career where they will have multiple career opportunities for many years to come.

Thousands of vacancies exist in South Africa and many IT professionals find employment outside our borders each year.

WHAT DOES THE IT SPECIALIST DO?

The person will find himself/herself in any of a wide variety of computerised environments. Responsibilities may include the maintenance of systems in use, systems analysis and design and/or programming of new systems, network administration, database administration and user support.

SYSTEMS ANALYST

The systems analyst studies the problems and needs of computer users and writes specifications for the computer system. He is also responsible for the detailed design of computer systems, which a programmer can convert into a computer language.

PROGRAMMER

The computer programmer is responsible for the detailed design of how the computer should perform a task and for instructing the computer accordingly. The programmer is the main interface between computer users and the computer itself.

COMPUTER TECHNICIAN

A computer is a complex collection of electronic and mechanical components and requires specific installation procedures, maintenance and repair, which is done by the computer technician.

Where do I study?

UNIVERSITY:

A four-year BEng: Information Technology
A four-year BA: Information Design

UNIVERSITY OF TECHNOLOGY:

A three-year NDip: Information Technology
A four-year BTech: Information Technology
MTech: Information Technology

COLLEGES:

Institutes nationwide specialise in IT training.

The courses are based on a self-paced study approach with instructors to assist and coach students whenever they may require assistance. Various diplomas such as Computer Science and Programming are available.

CAREER OPPORTUNITIES

The computer industry provides the fastest moving technology in modern industry. Computing skills are highly sought after, and the industry offers a high level of ongoing opportunities and challenges.

CAREER STATUS

IT specialists can acquire membership of the Computer Society of South Africa and the Information Technology Association (ITA).



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