

TECHNICAL, HSE & SECURITY CAREERS:

INFORMATION TECHNOLOGY

<http://www.sbcs.edu.tt/departments/CCPP.html>

<http://www.sbcs.edu.tt/departments/UOG.html>

<http://www.sbcs.edu.tt/departments/UOL.html>

<http://www.sbcs.edu.tt/departments/CEC.html>

Information technology professionals are in high demand throughout the world. These individuals are responsible for designing, developing, maintaining and enhancing the Information Systems of organizations. Each day new careers are created for IT professionals, so if you enjoy the thrill and exhilaration of working with cutting-edge, dynamic technology, then an IT career would be well suited for you.

IT professionals can enter the field through various avenues, the main ones being:

Technical Support Specialist:

Technical Support Specialists are responsible for ensuring the information system is always operational. These systems are usually complex, ever-changing, networked pieces of hardware and software that operate in environments where downtime can scarcely be tolerated.

If you are a natural multi-tasker and love working with technology in a fast-paced, highly demanding environment with a knack for problem-solving this is the ideal occupation for you. It demands constant training, and an ability to work well with others, especially non-technical end users.

Analysts / Developers:

Analysts and Developers are responsible for constructing software that is aligned to the operational, tactical and strategic objectives of the company. The modern corporate environment is highly dynamic. The software underlying key business processes must always anticipate the changing environment in order to maintain competitive advantage.

Constructing quality software requires an affinity for abstract, logical thinking, creativity, imagination and an ability to see the big picture. You need to be able to think like a person and a computer at the same time since the essential skill is to translate human requirements into software. Thus, both technical and interpersonal skills need to be developed.

Information Systems Managers:

As a resource, information has tremendous potential for ensuring innovation, collaboration and sustained, competitive advantage. An Information Systems Manager is responsible for ensuring that the information resources of the company meets this potential.

Successful IS Managers are those who can translate corporate strategy into a well-defined, technical strategy. You need to be intimately aware of both the potential of

technology and the existing corporate environment to successfully leverage both. It is clear that IT careers involve both business and technology. A person may initially have an affinity for one over the other, and thus will look for a programme that will enhance the greater skill while at the same time develop the latent one. SBCS recognises this and has a carefully balanced portfolio of programmes that caters to your needs.

The ABE Business and Information Systems programme provides an excellent introduction to the field and forms a natural progression to the University of Greenwich programmes.

The University of Greenwich programmes are designed for part time professionals and/or students interested in IT careers. The Computing and Information Systems programme has a careful balance of technically demanding courses and business related courses. The Business and Information Technology programme is more focused on the management aspect of technology but still provides sufficient technical exposure. At the Masters Level the Information Systems Management programme also carefully balances cutting edge technology with courses specific to the challenges and nuances of managing an IT department.

The University of London CIS Diploma/degree programme is structured along the lines of a typical computing programme and is more suited to full time students who are seeking a straight IT/computing programme of international standing.

A brand new programme that will be offered for the first time at SBCS is the HND in computing which leads to the University of Greenwich BSc. Computing and IS programme. This course is similar to the ABE BIS programme, however, it consists of more IT courses and less business courses.

No matter which of the above programmes are chosen one will find that our special industry relevant and product based courses are the perfect complement, courses like Computer Repairs, A+, Network+, CCNA, MCITPS. Certification courses like these provides an excellent complement to the formal degree. A degree student pursuing a certification benefits from seeing the theoretical underpinnings of what was previously learnt directly applied in an industry relevant way.

Typical job options/career paths:

Business Analyst, Computer Support Specialist, Consultant, Database Administrator, Desktop Publisher, E-Commerce Specialist, Help Desk Administrator, Network Administrator, Network Support Specialist, Network Technician, Programmer, Repair Technician, Security Specialist, Software Engineer, Systems Analyst, Systems Engineer, Website Designer.

- Students with CXC/O'Levels as their highest qualification have 4 options from which a career in information technology can be pursued:
 - Students can begin with the ABE Business Information Systems programme at the Certificate level. All levels of the ABE programme can be completed in approximately 2 ½ years.
 - Students can gain access to the BTEC HND in Computing without A'Levels by completing the ABE Certificate in Business Information Systems.

- o Students can gain access to the University of London BSc (Hons) in Information Systems and Management programme via the access route. The access route programme can be completed in approximately 1 year.
- o Students can gain access to the University of London BSc (Hons) in Computing and Information Systems programme via the Diploma in Computing and Information systems programme. The diploma programme can be completed in approximately 2 years.

Students with CAPE/A'Levels as their highest qualification have 4 options from which a career in information technology can be pursued:

- Students can begin with the ABE Business Information Systems programme at the Diploma 1 level. Students who enter at the Diploma 1 level can complete all levels of the ABE programme in approximately 2 years.
- Students can begin with the BTEC HND in Computing programme which can be completed in approximately 2 years.
- Students can begin with the University of London BSc (Hons) in Computing and Information Systems programme which can be completed in approximately 3 years.
- Students can begin with the University of London BSc (Hons) in Information Systems and Management programme which can be completed in approximately 3 years.

Further study at the Master's level is available to students who want to advance their education and broaden their skill set.

INFORMATION TECHNOLOGY CAREER PATHWAY @ SBCS

