

UNIVERSITY OF TECHNOLOGY, JAMAICA  
Accredited by The University Council of Jamaica (UCJ)

# School of Computing and Information Technology (SCIT)



## Bachelor of Science (BSc). Computing

PROSPECTIVE  
STUDENTS' BOOKLET

# PROGRAMME INFORMATION



The School of Computing and Information Technology (SCIT) offers a four-year programme leading to a Bachelor of Science Degree with a major in Computer Science and Information Technology. The aim of this course of study is to provide students with a solid foundation in computing that meets both international standards for tertiary-level computing curricula and the needs of the computing industry locally and regionally.

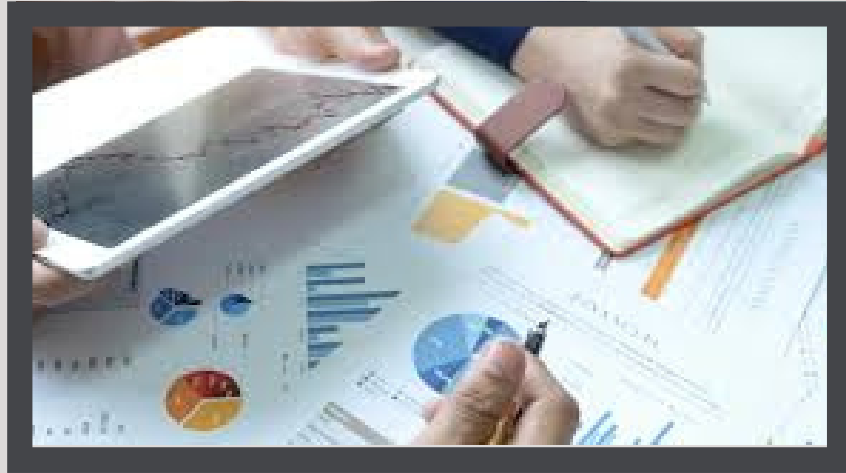
OVERVIEW

MAJORS

- Computer Science
- Information Technology
  - Networking
  - Information Systems
  - Enterprise Systems

# SPECIALIZATIONS

## COMPUTER SCIENCE



This is the study of the theoretical foundations of information and computation and of practical techniques for their implementations and applications in computer systems. Computer Science has many subfields, such as Computer Graphics, Computational Complexity Theory, and Human Computer Interaction.

## Careers for Computer Science

Careers include:

- Systems Analyst/ Consultant/ Engineer/ Programmer
- Database Analyst
- Artificial Intelligence Programmer/ Researcher
- Data Miner
- Scientific Applications Programmer
- User Interface Designer
- Embedded System Application Programmer
- Computer Scientist/ Researcher

# INFORMATION TECHNOLOGY



## Networking Minor

This area seeks to prepare graduates for the Networking and Telecommunications sectors, by exposing them to concepts relating to the science of Digital and Data Communications systems and the technologies involved.

### Careers for Networking Minor

Careers include:

- Network & Security Officer/Analyst
- IP Engineer
- Radio Frequency (RF) Engineer
- Voice Over IP Engineer
- LAN/WAN Engineer
- Network Technician/ Consultant
- Systems Specialist/ Engineer

# Information Systems Minor

The management and auditing of information systems is the principal focus of this field of study which prepares candidates for the careers below:



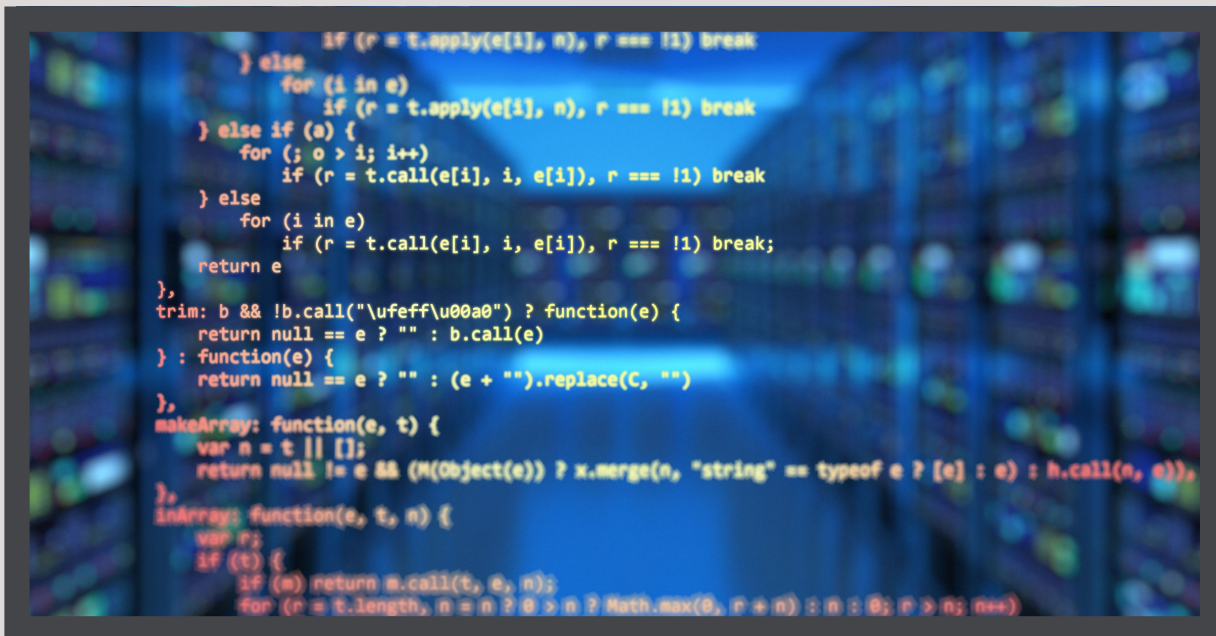
## Careers for Information Systems Minor

Careers include:

- IT Manager/ Project Manager
- Business Analyst
- IS Auditor
- IT Quality Assurance Consultant

# Enterprise Systems Minor

This area of concentration focuses on the technical and practical side of enterprise systems. It entails the building of databases and their supporting applications which are optimal for communication.



## Careers for Enterprise Systems Minor

Careers include:

- Programming Analyst/ Programmer
- Application Developer
- Database Administrator/ Developer
- Business Analyst
- Data Warehousing Developer
- IT Quality Assurance Consultant
- Software Engineer

# ENTRY REQUIREMENTS



Candidates are required to have a minimum of five (5) CSEC subjects or the equivalent, inclusive of Mathematics and English Language at level 1, 2 and 3 (from June 1998) or GCE Ordinary level passes at A, B, or C.

Documentary evidence of qualifications must be provided with the application.

# APPLICATION PROCEDURE



Applications can be made online by going to UTech Ja's website at <https://www.utech.edu.jm>. After submission and confirmation, print or save a copy of the confirmation page. Certified copies of the applicant's birth certificate, TRN, and CSEC/GCE results along with the application confirmation page should be submitted to the Office of Admissions and Enrolment Management.



# COURSE OBJECTIVES



Students of both majors should be able to:

1. Demonstrate proficiency in the use of computer science tools and technologies.
2. Apply fundamental programming skills in order to implement algorithms and data structures in software.
3. Demonstrate skill sets that go beyond technical skills.
4. Determine the most effective ways to utilize software engineering principles and technologies.
5. Apply theory and skills learned in academia to real-world occurrences to explicate their relevance and utility.
6. Evaluate information technology solutions in order to create value for the organization.

A photograph of two women with curly hair, wearing black long-sleeved shirts with 'AMFAX' and 'KARMA' printed on them, standing in a server room. They are looking at tablets. The server racks are visible on the left, and the room is lit with blue and white lights.

## Connect with us:

Phone: 876-927-1680-8

Students' Affairs Office:

Ext: 2153, 2163 -5

Programme email:

[bsccomputingutech@gmail.com](mailto:bsccomputingutech@gmail.com)

Programme Director:

David White - [dwwhite@utech.edu.jm](mailto:dwwhite@utech.edu.jm)

Ext: 3642

Administrative Support:

Dion Ellis - [dion.ellis@utech.edu.jm](mailto:dion.ellis@utech.edu.jm)

Ext: 2159

Shade Ewan - [shade.ewan@utech.edu.jm](mailto:shade.ewan@utech.edu.jm)

Ext: 3236