



Certificate in Computer Fundamentals

On completion on the combined Certificate in Information Systems and Diploma in Information Technology, candidates interested in pursuing computer science, can register for Certificate in Computer Fundamentals.

Why does the course exist – Certificate in Computer Fundamentals is an entry level for the computer science course. Candidates learn about the different programming languages in the market, how programs are written and evaluated. Topics include flow chart diagrams, mathematical expressions, conditional expressions, syntax, run-time and logical errors. The course prepares the ground level for further studies in Computer Science.

How it fits into the larger programme – On completion of the Certificate in Computer Fundamentals, candidates proceed to the Diploma level.

For whom it was designed – The Certificate in Computer Fundamentals is designed for those who complete the Combined Certificate in Information Systems and Diploma in Information Technology and would like to pursue computer science. The Certificate in Computer Fundamentals is used as minimum requirement for the Diploma in System Design.

How it will benefit candidates – Computing is diverse! There are so many things to learn and computer science covers most of them – programming, networking, web and database technology.

Subjects:

- HTML Internet Technology
- Computer Fundamentals
- Introduction to Programming
- Qbasic Programming
- Business Maths

HTML - HyperText Markup Language (HTML) is a language to specify the structure of documents for retrieval across the Internet using browser programs of the World Wide Web.

Computer Fundamentals – application of computers in commercial field, office automation, computer functions and basics of computer hardware, software and programming.

Introduction to Programming – programming is instructing a computer to do something with the help of a programming language. The role of a programming language can be described into two ways: *Technical* – is a means for instructing computer to perform tasks. *Conceptual* – is a framework within which we organise our ideas about things and processes.

QBasic Programming - QBASIC is a programming language. With a programming language one can tell the computer what one wants it to do. It is a lot like giving someone directions to a location. The computer follows each step and does exactly what it is told. By programming the computer users can solve maths problems, create art or music, and even make office programs.

Business Maths - Everything in our world revolves on Maths. Employees who are good in Maths can server the organisation well.