

## Type of course – Technical

### Course Overview

A sound understanding of IT technologies and practices is essential for IT professionals. Information learnt will provide a solid foundation in fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT. Students will demonstrate the uses of information in the public domain, globally, in the cloud and across the internet by individuals and organisations. Students will discover that good management of both data and information is essential, and that it can give any organization a competitive edge. Students will also develop their skills and knowledge required to actively use data analysis techniques to provide evidence and interpretation for decision making for a range of organisational needs.

### Course Content

Core units:

**Unit 1:** Exam fundamentals of IT (YR12)

**Unit 2:** Exam Global Information (Yr13)

**Unit 7:** Coursework Data Analysis and Design

**Unit 9:** Coursework Product Development (TBC)

**Unit 13:** Coursework Social Media and Digital Marketing (TBC)

### Assessment

Two examined and Three coursework units for assessment.

### Careers and Opportunities for Further Study

- Cyber Security
- Mobile Applications Developer
- Data Architect
- Applications Architect
- Database Architect
- Network/ Cloud Architect
- Web Developer
- Systems Engineer
- Software Engineer

### Entry Requirements

Minimum grade 5 in English Language and minimum Merit at level 2 ICT