## Computing Programmes Listing

### 1. Information Technology

**Level 3 Certificate in Information Systems (102)**
- Introduction to Computers
- Business Information System
- Business English & Report Writing
- Project (Coursework)

**Level 5 Diploma in Information Technology (103)**
- Windows Operating System
- PowerPoint
- Word
- Excel
- Access

**Level 6 Adv Diploma in Info Tech (104)**
- Adv. Windows Desktop Operating Sy.
- Email Communication & Internet Tech
- Advanced Word
- Advanced Excel
- Advanced Access

### 2. Computer Science

**Level 4 Cert. in Computer Fundamentals (105)**
- HTML Internet Technology
- Introduction to Programming
- Computer Fundamentals
- QBasic Programming
- Business Maths
- Project (Coursework)

**Level 5 Diploma in System Design (401)**
- Business Computer Systems
- System Design
- Network Fundamentals
- Pascal Programming
- Operating System Management
- Project (Coursework)

**Level 6 Adv Diploma in Comp Science (907)**
- Computer Systems Architecture
- Database Technology
- Management Science
- Data Communications & Networking
- Software Engineering
- C and VB .Net Programming

### 3. Networking

**Level 4 Certificate in Networking (107)**
- Networking Essentials
- Windows Client Networking
- Windows Server Admin & Implementation
- TCP/IP Network Architecture
- Network Security

**Level 5 Diploma in IP Routing (111)**
- Technological Elements of Networks
- Internetwork Infrastructure
- IP Routing Technology
- Connecting Routing Devices
- Introduction to Telecommunications

**Level 4 Certificate in Unix Networking (188)**
- Overview of Operating Systems
- Introduction to SCO Unix
- Introduction to Linux
- Introduction to Solaris
- Introduction to Shell Programming

**Level 5 Diploma in PC Engineering & Structured Cabling (108)**
- PC Engineering
- Data Recovery & System Diagnostics
- Structured Cabling
- Wireless Networking
- Computer Security

**Level 6 Advanced Diploma in Routing & Switching (112)**
- Advanced IP Routing
- Switching
- Adv. LAN, WAN & Switching Configuration
- Telephone Signalling Sy Technologies
- Fibre Optic Technology

**Level 5 Diploma in Unix Networking (189)**
- Unix Performance Management
- SCO Unix Administration
- Linux Administration
- Solaris Administration
- Perl Programming
- Project (Coursework)

**Level 5 Diploma in Windows Server Networking (200) - Specialised Windows Networking**
- Windows Server Administration
- Windows Server Infrastructure
- Windows Server Active Directory
- Windows SQL Server Database Administration
- Windows Exchange Server
- Project (Coursework)

### 4. Web Design

**Level 5 Diploma in eCommerce & Web Design (901)**
- eBusiness Fundamentals
- HTML Authoring
- XML Document Creation
- JavaScript / DreamWeaver
- Joomla & WordPress

**Level 6 Adv Dip in Web Development(902)**
- Advanced HTML
- Advanced JavaScript
- Web Server Configuration
- ASP .Net
- PhP

### 5. Graphic Design

**Level 5 Diploma in Graphic Design (991)**
- Introduction to Computer Graphics
- PageMaker/InDesign
- Illustrator
- Photoshop
- CorelDraw
- AutoCAD

**Level 6 Adv Diploma in Graphic Design (992)**
- Adv Windows Desktop Operating System
- Computer Animation
- Photography & Video Editing
- Adobe Acrobat
- Advanced AutoCAD

### 6. Programming

**Level 5 Diploma in Programming (601)**
- Programming Principles & Paradigms
- C Programming
- VB .Net Programming
- C++ Programming
- Java Programming
- Project (Coursework)

**Level 6 Adv Diploma in Programming (602)**
- Advanced Operating System Principles
- Advanced C Programming
- Advanced VB .Net Programming
- Advanced C++ Programming
- Advanced Java Programming

### 7. Database

**Level 5 Dip in Database Admin (990)**
- Oracle SQL
- Oracle PL/SQL
- Oracle Database Administration
- Introduction to PostgresSQL
- Windows SQL Server Database Admin

**Level 5 Diploma in Database Developer (997)**
- Programming the Web using HTML & XML
- Oracle Forms Developer
- Oracle Reports Developer
- Oracle Designer
- Oracle JDeveloper

### 9 Cyber Security

**Level 5 Diploma in Internet Security (615)**
- Cloud Computing
- Internet of Things (IoT)
- Digital / Social Media Marketing
- Cyber Security
- Ethical Hacker

### 8 Artificial Intelligence (AI) / Data Science

**Level 5 Diploma in Data Science (650)**
- Cloud Computing
- Analysing Data with Excel
- Data Science
- Analysing and Visualising Data with Power BI
- Introduction to SQL
- Project (Coursework)

**Level 5 Diploma in Data Science Statistical Methods using Excel (651)**
- Descriptive Statistics
- Introduction to Probability
- Probability Distribution
- Sampling, Hypoth. Testing & Analysis of Variance
- Introduction to Correlation Analysis
- Project (Coursework)

**Level 6 Adv. Diploma in Data Science & Business Analytics (652)**
- SQL for Data Analysis
- Adv. Power BI & Data Modelling
- R Data Analysis Fundamentals
- Python Programming
- Predictive Analytics with R
- Exploratory Data Analysis with Python