



Your education is a story; changed by BCE Programme this is a journey not a destination

Computing Programmes Listing. Programmes that need no introduction!

1. Information Technology		
Level 3 Certificate in Information Systems (102) <ul style="list-style-type: none"> • Introduction to Computers • Business Information System • Business English & Report Writing • Project (Coursework) 	Level 5 Diploma in Information Technology (103) <ul style="list-style-type: none"> • Windows Operating System • PowerPoint • Word • Excel • Access 	Level 6 Adv Diploma in Info Tech (104) <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • HTML Internet Technology • Introduction to Programming • Computer Fundamentals • QBasic Programming • Business Maths • Project (Coursework) 	Level 5 Diploma in System Design (401) <ul style="list-style-type: none"> • Business Computer Systems • System Design • Network Fundamentals • Pascal Programming • Operating System Management • Project (Coursework) 	Level 6 Adv Diploma in Comp Science (907) <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • Networking Essentials • Windows Client Networking • Windows Server Admin & Implementation • TCP/IP Network Architecture • Network Security 	Level 5 Diploma in IP Routing (111) <ul style="list-style-type: none"> • Technological Elements of Networks • Internetwork Infrastructure • IP Routing Technology • Connecting Routing Devices • Introduction to Telecommunications 	Level 4 Certificate in Unix Networking (188) <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • PC Engineering • Data Recovery & System Diagnostics • Structured Cabling • Wireless Networking • Computer Security 	Level 6 Advanced Diploma in Routing & Switching (112) <ul style="list-style-type: none"> • Advanced IP Routing • Switching • Adv. LAN, WAN & Switching Configuration • Telephone Signalling Sy Technologies • Fibre Optic Technology 	Level 5 Diploma in Unix Networking (189) <ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • Windows Server Administration • Windows Server Infrastructure 	<ul style="list-style-type: none"> • Windows Server Active Directory • Windows SQL Server Database Administration 	<ul style="list-style-type: none"> • Windows Exchange Server • Project (Coursework)
4. Web Design	5. Graphic Design	6. Programming
Level 5 Diploma in eCommerce & Web Design (901) <ul style="list-style-type: none"> • eBusiness Fundamentals • HTML Authoring • XML Document Creation • JavaScript / DreamWeaver • Joomla & WordPress 	Level 5 Diploma in Graphic Design (991) <ul style="list-style-type: none"> • Introduction to Computer Graphics • PageMaker/InDesign • Illustrator • Photoshop • CorelDraw • AutoCAD 	Level 5 Diploma in Programming (601) <ul style="list-style-type: none"> • Programming Principles & Paradigms • C Programming • VB .Net Programming • C++ Programming • Java Programming • Project (Coursework)
Level 6 Adv Dip in Web Development(902) <ul style="list-style-type: none"> • Advanced HTML • Advanced JavaScript • Web Server Configuration • ASP .Net • PhP 	Level 6 Adv Diploma in Graphic Design (992) <ul style="list-style-type: none"> • Adv Windows Desktop Operating System • Computer Animation • Photography & Video Editing • Adobe Acrobat • Advanced AutoCAD 	Level 6 Adv Diploma in Programming (602) <ul style="list-style-type: none"> • 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) <ul style="list-style-type: none"> • Oracle SQL • Oracle PL/SQL • Oracle Database Administration • Introduction to PostgreSQL • Windows SQL Server Database Admin 	Level 5 Diploma in Database Developer (997) <ul style="list-style-type: none"> • Programming the Web using HTML & XML • Oracle Forms Developer • Oracle Reports Developer • Oracle Designer • Oracle JDeveloper 	Level 5 Diploma in Internet Security (615) <ul style="list-style-type: none"> • 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 Analytics (650)		
<ul style="list-style-type: none"> • Cloud Computing • Analysing Data with Excel 	<ul style="list-style-type: none"> • Data Science • Analysing and Visualising Data with Power BI 	<ul style="list-style-type: none"> • Introduction to SQL • Project (Coursework)
Level 5 Diploma in Data Science Statistical Methods using Excel (651)		
<ul style="list-style-type: none"> • Descriptive Statistics • Introduction to Probability 	<ul style="list-style-type: none"> • Probability Distribution • Sampling, Hypoth. Testing & Analysis of Variance 	<ul style="list-style-type: none"> • Introduction to Correlation Analysis • Project (Coursework)
Level 6 Adv. Diploma in Data Science & Business Analytics (652)		
<ul style="list-style-type: none"> • SQL for Data Analysis • Adv. Power BI & Data Modelling • Statistical & Data Science Research Tools & Techniques 	<ul style="list-style-type: none"> • R Data Analysis Fundamentals • Python Programming 	<ul style="list-style-type: none"> • Predictive Analytics with R • Exploratory Data Analysis with Python • Project (Coursework)