

Diploma Level 3 in Software Development(City & Guilds 7267-23 series),
 Units **301, 302, 303, 304, 305, 306, 307, 308**

**Exam Unit 301
 Core Unit**

Develop Designs and test software components

Duration: 1 Term / 3 months
Number of Units: 7
Tuition: 83,700
Exam Fee: 8,000

Students will be able to: - Explain the concepts of software design. Use diagrams representation for design, Specify data types and data structures.

SPR002	Software Production II
INV001	Programming Methodology IV
DAST02	Data Structures II
PERS01	Persistence - Files
QAQC01	Quality Control I
QAQC02	Quality Control II
QAQC03	Quality Control III

**Exam Unit 306
 Core Unit**

Requirements analysis and systems specification

Duration: 1 Term / 3 months
Number of Units: 3
Tuition Combined with 301
Exam Fee: 8,000

Students will be able to: Plan for the identification of Customer requirements, establish customer requirements and produce logical design specification.

SPR002	Software Production III
SPR003	Software Production IV
SPIM01	Software Project Implementation & Maintenance

**Exam Unit 302
 Optional**

Develop software using C++

Duration: 1 Term / 3 months
Number of Units: 4
Tuition: 37,200
Exam Fee: 8,000

Students will be able to: Interpret program specifications. Develop software components, Use functions Save and retrieve data from a file. Use Object Oriented Programming.

CPP001	C++ Programming I
CPP002	C++ Programming II
DTEC01	Database Technology
SPR004	Software Production Lines

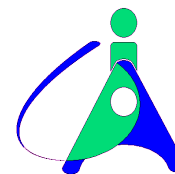
**Exam Unit 305
 Optional**

Develop software using Java

Duration: 1 Terms / 3 months
Number of Units: 4
Tuition: 37,200
Exam Fee: 8,000

Students will be able to interpret program specifications, create classes, develop code for implementation and test software using change control Produce documentation

JAVA02	Java Language II
JAVA03	Java Language III
SPR004	Software Production Lines
DTEC01	Database Technology



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Exam Unit 308 Optional

Develop software using C#

Duration: 1 Term /3 months

Number of Units: 4

Tuition: 37,200

Exam Fee: 8,000

Students will be able to interpret program specifications, develop software and use components to build a Graphical User Interface (GUI). Use built-in database management features, develop code for implementation and produce documentation

CSH001	C# Programming
DTEC01	Database Technology
ASP001	ASP/.NET Framework
SPR004	Software Production Lines

Exam Unit 310 Optional

*Develop software using SQL
 (Structured Query Language)*

Duration: 1 Term/ 3 months

Number of Units: 4

Tuition: 37,200

Exam Fee: 8,000

Query and display data from a single table Query and display data from a multiple tables Manipulate data in tables. Create and manage tables, views and indexes Control user access; record the results of tests

DTEC01	Database Technology
DTEC02	Database Technology II
DTEC03	Database Technology III
DTEC04	Database Technology IV

Exam Unit 046 Optional

*Designing and creating
 advanced web sites*

Duration: 1 Term/ 3 Months

Number of Units: 5

Tuition: 46,500

Exam Fee: 8,000

Explain the fundamentals of advanced web page development Undertake formal user requirements Analysis Use appropriate development tools to implement and test interactive web pages incorporating advanced design and information presentation techniques

DTEC01	Database Technology
XML001	XML I - Basic XML
PHP001	PHP Programming
HTJS01	HTML and Javascript
JAVA02	Java Language II
WSSP01	Web Services and Service Oriented Architectures (SOA)
JSP001	Java Server Pages
SERV01	Java Servlet Programming
DRFL01	Dreamweaver and Flash Web design

Exam Unit 047 Optional

*Designing and creating
 databases*

Duration: 1 Term/ 3 months

Number of Units: 5

Tuition: 46,500

Exam Fee: 8,000

Identify client requirements for a database; undertake analysis and design. Implement the database design to create tables and forms for data entry Undertake information retrieval.

DTEC01	Database Technology
DTEC02	Database Technology 2
DTEC03	Database Technology 3
JAVA02	Java Language II
DTEC04	Database Technology 4