Career Development for Data Analyst/Programmers

Learning Overview:

The learning is delivered using blended learning techniques via our digital learning platform with comprehensive hands-on exercises throughout to help assess and reinforce learning.

By the end of the programme learners will have sufficient knowledge and technical skills to successfully extract, analyse and present data including how to:

- Implement Data Step processing techniques to manage your data efficiently.
- Utilise macro variables and functions to make your programs smarter.
- Implement conditional iterative macro processing to help you generate dynamic, data driven code.
- Use Structured Query Language (SQL).
- Generate output in multiple different formats using the SAS Output Delivery System (ODS).

SAS Language Training and Certification

Training will be provided to cover the essentials of the Language of SAS covering the required elements/topics to sit the SAS Certified Specialist: Base Programming using SAS 9.4 exam.

To help prepare, learners will be given access to our certification exam preparation product MemoTrainer™ and signposted to mock exams with full support of the instructor to get you 'exam ready'.

Courses include:

Fundamentals – the Language of SAS Key Learning Outcomes: 1. Explain the basic elements of a data programming language. 2. Discuss fundamental Programming concepts. 3. Describe five set procedures to summarise data. 4. Use basic inputs and outputs.	Intermediate – the Language of SAS Key Learning Outcomes: 1. Describe how functions are used to transform data. 2. Describe how Data Step techniques are used to manipulate data. 3. Save formats and export data. 4. Use basic Macro processing.
PROC SQL – the Language of SAS Key Learning Outcomes: 1. Explain the basic elements of using SQL within a data programming language. 2. Use methods for presenting and querying data using SQL. 3. Manipulate datasets using SQL.	Reporting Techniques – the Language of SAS Key Learning Outcomes: 1. Explain the use of the Output Delivery System. 2. Describe how to create reporting options. 3. Describe how to create and manipulate Tables.
Macros – the Language of SAS Key Learning Outcomes: 1. Describe how to create Macro Programs. 2. Implement advanced processes using Macros.	

Business Skills for Data Professionals

The technical programme outlined above is complimented by the addition of essential business skills including communication skills, working with others and problem-solving skills, to support the transition into the workplace.

Professional Certificate in Applied Data Programming (SCQF 7)

Newtyne's bespoke Professional Certificate in Applied Data Programming (ADP) is a practical workplace qualification, designed to apply and extend the learning from our Newtyne Academy for Data Analysts/programmers.
Professional Certificate in Applied Data Programming (SCQF 7) full details.