APPRENTICESHIP

Data Analytics

Level 3

3

1 Apprenticeship Framework

As organisations in Wales undertake digital transformation of many processes, the data and information skills needed to drive business decision making are becoming essential across many job roles. The data analytics apprenticeships provide a route to develop and embed skills in data and information through on-the-job vocational learning to measurably improve individual and organisational digital capabilities.

Who is this apprenticeship for?

This programme is suitable for those seeking a developing career in the constantly evolving data analysis, for those wishing to upskill themselves to take on more data responsibilities or, for those working with data who want an accredited qualification to affirm their existing experience in the field.

On completion apprentices will achieve the following:

- Agored Cymru Level 3 Diploma in Data Analytics
- Essential Skills Wales Level 2 in Communication
- Essential Skills Wales Level 2 in Application of Number

Benefits of the apprenticeship programme:

Accelerate Your Career Growth: Undertaking the Level 3 Data Analytics apprenticeship will provide the essential data and information handling skills and hands on experience to supercharge a developing career across a broad range of industrial sectors.

Industry-Recognised Certification: Upon successful completion of this programme, apprentices will earn an industry-recognised certification, providing them with a competitive edge in the job market. Employers value the skills and expertise gained through this apprenticeship, opening doors to exciting opportunities.

Practical and Real-World Learning: Our programme emphasises practical, real-world learning. Apprentices will practice skills in the workplace collaborating with experienced colleagues and supported by ALS professionals who will guide them through every step of the process.

Tailored Curriculum: Our comprehensive curriculum is designed to meet the information technology demands of organisations across the Welsh economy and wider. Apprentices cover essential topics such as Secure and ethical use of data, use of spreadsheet software to analyse data, database principles, statistical analysis of data, modelling data, visualising and reporting on data.

Experienced and Knowledgeable Advisors: Throughout the apprenticeship, we will provide access to a network of experienced advisors who will provide guidance, coaching, support, and feedback.

Course Delivery

- Typical duration of 18 months.
- Induction session for apprentices and for their line managers.
- 10 full day Online skills and knowledge workshops
- One to One tutor coaching and assessment support sessions.
- Supported by self-study online resources.
- 4 Essential skills assessment days. (2 Preparation days and 2 Live Task days) **
- 2 hour long essential skills confirmatory tests. **

***Essential Skills activities are not applicable to apprentices with exemptions.*

2 Level 3 Diploma in Data Analytics

Course Delivery

This programme will primarily be delivered through 1-to-1 sessions with a member of the ALS delivery team, using a mixture of face-to-face and remote learning sessions. An ALS assessor will meet with the learner, either in the workplace or through digital means once a month for approximately two hours to support progress.

Learners will also be set tasks to complete between each visit which are tailored to the different needs of each learner and the workplace activities they are involved with.

Qualification Structure Summary

The Level 3 Diploma in Digital Application Support consists of 9 mandatory units, with a total of 43 credits plus a minimum of 27 optional credits.

Unit rules of combination

- Mandatory Units (Learners must achieve all 8 units) – 43 credits.
- Optional units – minimum 27 credits.

What you will learn

This programme is made up of a mixture of mandatory units (these have to be completed by all learners as part of the qualification) and optional units (we will work with you to decide what units are relevant to your role, and your business). Below is a brief overview of the units available.

Mandatory Units

Unit Title	Level
Data Analysis	3
Digital Information Management	3
Spreadsheet Software	3
Data Visualisation	3
Database Software	2
Ethical Use of Information	3
Analyse and Present Data and Information	3
Statistical Analysis	3
Risk Management for Data Analysis	3

Optional units (27 credits required)

Unit Title	Level	Credits
Coding	3	10
Data Modelling	3	6
Database Applications	3	8
Database Software	3	6
Data-Driven Applications	3	8
Digital Security for Business	3	4
Macro Programming for IT Applications	3	8
Model Structured Data	3	6
Principles of Artificial Intelligence use in the Workplace	3	4
Principles of Working in the Public Sector	2	5
Social Analytics	3	2
Sustainable Development and Global Citizenship	3	5

Have any questions about our Level 3 Diploma in Data Analytics?

We are here to help. If you have any further questions or enquiries about the main qualification element of the programme, please contact at **info@alstraining.org.uk**

3 Essential Skills Qualifications

When you agree to undertake an apprenticeship, you may be required to complete Essential Skills as part of your Apprenticeship framework.

Essential Skills Wales

The Essential Skills Wales (ESW) will be initially assessed via an online Wales Essential Skills Toolkit (WEST) Assessment. Where a Learner already holds an ESW certificate or equivalent qualification this can provide an exemption, and learners will not need to complete that ESW element of the programme. Where a Learner is not exempt an Individual Learning Plan (ILP) will be generated from the initial assessment. The modules delivery will include independent learning via WEST, prior to guided learning sessions preparing the Learner for their assessment. ESWs are assessed via controlled tasks and confirmatory tests for Communication and Application of Number.

Exemptions

If you already hold qualifications, these may be used as 'exemptions' towards your apprenticeship framework. As a result, you will be exempt from achieving that particular Essential Skill, if you wish. This will be discussed with you before you sign up with us, and will also be followed up by your assessor before and during your first visit from us.

Have any questions about Essential Skills?

We are here to help. If you have any further questions or enquiries about Essential Skills element of the programme, please contact **info@alstraining.org.uk**