



Data Analytics

Higher Apprenticeship / Qualification

Level 4

About this Apprenticeship/Qualification

The Level 4 Diploma in Data Analytics provides the skills and knowledge to become a professional in the field of Data Analysis. It will contribute to the future of the sector and provide the next generation of Data Engineers, Data Administrators, Data Managers, Data Analysts and Data Scientists.

Who is this for?

This course is either delivered as a stand-alone qualification, or under the all-age apprenticeship programme, funded by the Welsh Government. These courses can be used to upskill existing staff or recruit new talent within an organisation, regardless of age.

The Level 4 Diploma in Data Analytics is for learners who are qualified at Level 3 or above or who have appropriate experience in this subject area.

This Diploma and the associated apprenticeship framework will benefit learners who want to develop skills and progress towards a career in areas such as:

- ▶ Business Intelligence
- ▶ Data Warehousing
- ▶ ETL (Extract, Transform and Load)
- ▶ Data Analysis
- ▶ Data Mining
- ▶ Database Management

How is this delivered?

The learner will be allocated a dedicated tutor/assessor who will work closely with both learner and employer to ensure the level and units selected are most suited to their individual role and organisational priorities. The Tutor/Assessor will visit the learner every 4-6 weeks in their workplace to assess progress and also set objectives for the next period. The learner will be assigned project work specific to their elected units, as well as be expected to gather evidence from their day to day role to demonstrate application of their new skills. They may be expected to attend seminars/workshops in addition to work based learning which will focus on the knowledge element of the qualification and support in developing understanding, skill and experience in this area.

How is this assessed?

In order to successfully complete the qualification learners will undertake a project relevant to their individual role and learning environment. They will acquire the knowledge, tools and techniques associated with each unit that they will then implement in their current work environment. The project work assigned and evidence gathered will be reviewed during the regular 1-2-1 meetings with tutors/assessors and used for assessment purposes. Gower College Swansea utilises Smart Assessor which is an online Apprenticeship management tool enabling provider, learner and employer to effectively track learner progress.

What is the duration of the course?

The Level 4 qualification can take up to 24 months to complete

Mandatory Units:

- ▶ Develop own effectiveness and professionalism
- ▶ Principles of Data Management Infrastructure
- ▶ Data Analysis Tools
- ▶ Data Analysis: Data Science

Optional Units:

- ▶ Data Management Infrastructure
- ▶ Statistical Analysis of Data Sets
- ▶ Testing IT & Telecoms Systems
- ▶ Testing the Security of Information Systems
- ▶ Principles of Information Governance & Assurance
- ▶ Advanced Data Representation & Manipulation for IT
- ▶ Designing and Developing Event-Driven Computer Programmes
- ▶ Designing and Developing Object-Oriented Computer Programs
- ▶ Designing and Developing Procedural Computer Programs
- ▶ Investigating and Defining Customer Requirements for ICT Systems

If studied within the Apprenticeship Framework, learners will be required to also complete the following:

- ▶ City & Guilds Level 2 Essential Application of Number Skills
- ▶ City & Guilds Level 2 Essential Communication Skills
- ▶ City & Guilds Level 2 Essential Digital Literacy Skills

Please ask your GCS Training Representative for more information



Our Credentials

The qualification is delivered by tutor/assessors who have exceptional experience in both practical application of Data Analysis methodology and in delivering tailored support to each individual learner.

Contact Details

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