Data Science

SCQF Level 10

Why Study a Graduate Apprenticeship?

Studying for a graduate apprenticeship not only means that you will gain a degree but get paid a wage while learning the skills, knowledge and understanding that industry expects from a graduate.

Because graduate apprenticeships are full time employees, you will spend about 80% of your time based at the work place and 20% on study. There are flexible entry and exit points from Higher National Diploma at SCQF Level 8 to a Master's Degree at SCQF Level 11.

Who Can Apply?

Graduate Apprenticeships are for those over the age of 16 who are:

- school leavers with Highers or Advanced Highers, or
- adults with relevant qualifications or experience, and resident in Scotland at the start of the Apprenticeship.

There is no age limit for applicants. Some vacancies may require applicants to be age 18 or over, due to health and safety requirements.

If you already have a degree you can still apply for a GA. The condition is that it cannot be in the same subject area and level. Therefore, for example, you can do the same subject at a higher or lower level, or do the same level but in a different subject area.

Entry Requirements

These will vary by course and institution. Vacancy advertisements provide specific information on the qualifications required by the delivery institution for each GA.

Typically you need:

- 3-4 Highers (usually including Maths and a science or technological subject)
- National 5 English and Maths may sometimes be required if not held at Higher
- Advanced Higher Maths may be recommended.
- Alternative entry requirements may be a relevant Foundation Apprenticeship plus 2 Highers, or a relevant Modern Apprenticeship at SCQF Level 6.
- You may need to be currently employed in the industry for some courses.

Check individual institution websites for specific entry requirements.

Course Content

The key content areas which make up the Data Science: SCQF Level 10 Graduate Apprenticeship are:

- Data management
- Data analytics
- Statistical techniques
- Machine learning and artificial intelligence
- Data engineering
- Business insights through data science
- Data protection and ethics
- Data science professional skills and behaviours.

Qualifications Gained

Graduate Apprenticeship in BSc (Hons) Data Science (SCQF Level 10)

Duration

4 years

What can I go on to next?

You could find employment in roles like:

- Data scientist
- Data engineer
- Data analyst
- Data architect
- Machine learning engineer
- Data insight analyst.

How to Apply

You should apply directly to the employer who is advertising the vacancy. Vacancies are advertised on www.apprenticeships.scot.

Related Career Areas

- Computing and ICT

Offered By

- Edinburgh Napier University
- Glasgow Caledonian University
- Heriot-Watt University
- Robert Gordon University
- University of Stirling