Qualifi Level 7 Diploma in
Data Science

An Ofqual Regulated Qualification

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SUCCESS THROUGH LEARNING
RECOGNISED WORLDWIDE

An Ofqual Recognised Awarding Organisation

Qualifi Level 7 Diploma in Data Science

Qualifi is a leading 21st-century awarding organisation founded to meet the developing education and training needs of learners and employers from the UK and around the globe.

As a recognised UK awarding organisation, regulated by Ofqual, Qualifi is able to give assurances to employers, centres and learners of consistent, rigorous, quality standards and valid, valued learning.
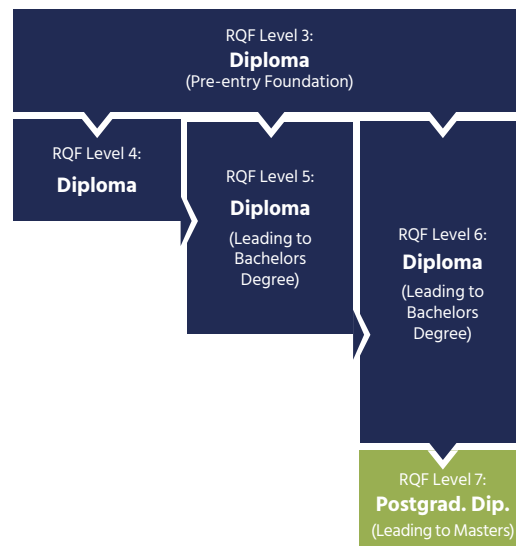
Message from Dr Penny Hood - Chair Governance Council

I warmly welcome you to our global academic community, of which you are now an important member. Qualifi will ensure your access to the first class education needed to achieve your goals and dreams and to maximise future opportunities. May I take this opportunity to wish each of you success and enjoyment on your academic journey.

Message from Jason Goodyear - Chief Executive Officer

Whether you are a learner, employer or centre, I want to personally welcome you. In partnership with employers and learning centres, Qualifi helps learners develop the knowledge, skills and abilities needed for success in the 21st century. Thank you for choosing Qualifi to lead you on this learning journey.

RQF Level 3:
Diploma
(Pre-entry Foundation)

RQF Level 4:
Diploma

RQF Level 5:
Diploma
(Leading to Bachelors Degree)

RQF Level 6:
Diploma
(Leading to Bachelors Degree)

RQF Level 7:
Postgrad. Dip.
(Leading to Masters)

Progression Details

The Qualifi Level 7 Diploma in Data Science is accredited at Level 7 with a total equivalence of 120 credits. Learners who successfully complete the postgraduate diploma are eligible to complete the final part of a Masters degree.

DIGITA Schools

CHESTNUT EDUCATION GROUP

a.r.u. Anglia Ruskin University

UNIVERSITY of DERBY

"Qualifi is our proud partner helping shape a brighter future in global education, that empowers progress through better education for learners from all communities. Their practical approach to assessments and learning material are key to building skills and to progressing in one's career."

Dr. Saleem Afzal
City University College of Ajman

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Course Overview

The Qualifi Level 7 Diploma in Data Science enables learners to gain skills in maths, statistics and programming in R, Python and SQL to organise, analyse and visualise data to uncover hidden solutions that challenge traditional business assumptions and produce entirely new operating and strategic models.

Once graduated, learners are in a position to take advantage of the rapidly growing opportunities in a wide range of data science and advanced analytics roles throughout a wide range of business sectors and organisations.

Course Units

- **Exploratory Data Analysis**
- **Statistical Inference**
- **Fundamentals of Predictive Modelling**
- **Advanced Predictive Modelling**
- **Time Series Analysis**
- **Unsupervised Multivariate Methods**
- **Machine Learning**
- **Further Topics in Data Science**
- **Contemporary Issues in Business**

Progression Pathways

Upon completing this Level 7 diploma, learners can join a university partner to complete a a project or dissertation to then receive a full master's degree. Learners can also step directly into employment in the rapidly growing data science and analytics profession .

Entry Requirements

Learners will usually have a minimum of an undergraduate degree or equivalent. Applicants without a degree but at least 2 years' experience in technical and/or managerial roles may also submit applications.

Learning Outcomes

- **Gain the mathematical and statistical knowledge required to carry out basic and advanced data analysis.**
- **Develop sufficient skill in programming languages to use them to successfully carry out data analysis to an advanced level.**
- **Develop a strong understanding of data management, including evaluation, structuring and cleaning of data for analysis.**
- **Become familiar with and use the tools and techniques used in data visualisation**
- **Develop a comprehensive knowledge of classical data analytics, including statistical inference, predictive modelling, time series analysis and data reduction.**
- **Apply common machine learning techniques to business and other problems in order to uncover options and solutions for them.**
- **Develop an understanding of essential concepts from contemporary themes in business.**
- **Understand, evaluate and apply data science and analytics within business and organisational contexts.**

Career Opportunities

Primary areas of employment include:

- Data Scientist
- Artificial Intelligence Specialist
- Data Analyst
- Business Analyst
- Statistical Analyst

"Qualifi awarding body is very practical and useful for managers to tackle a variety of the problems in the real corporate world. The contents are accredited by OfQual and it is evident how a UK qualification is worthwhile "

Dr.Motohiro Kita
CEO of ExeJapan

Relevant, Accessible & Credible

As a recognised UK awarding organisation regulated in England by Office of Qualifications and Examinations Regulation (Ofqual), Qualifi is able to give assurances to employers, centres and learners of consistent, rigorous, quality standards and valid, valued learning.

Our portfolio includes regulated qualifications as well as bespoke qualifications that include endorsed and certified programmes. Visit www.qualifi.net

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