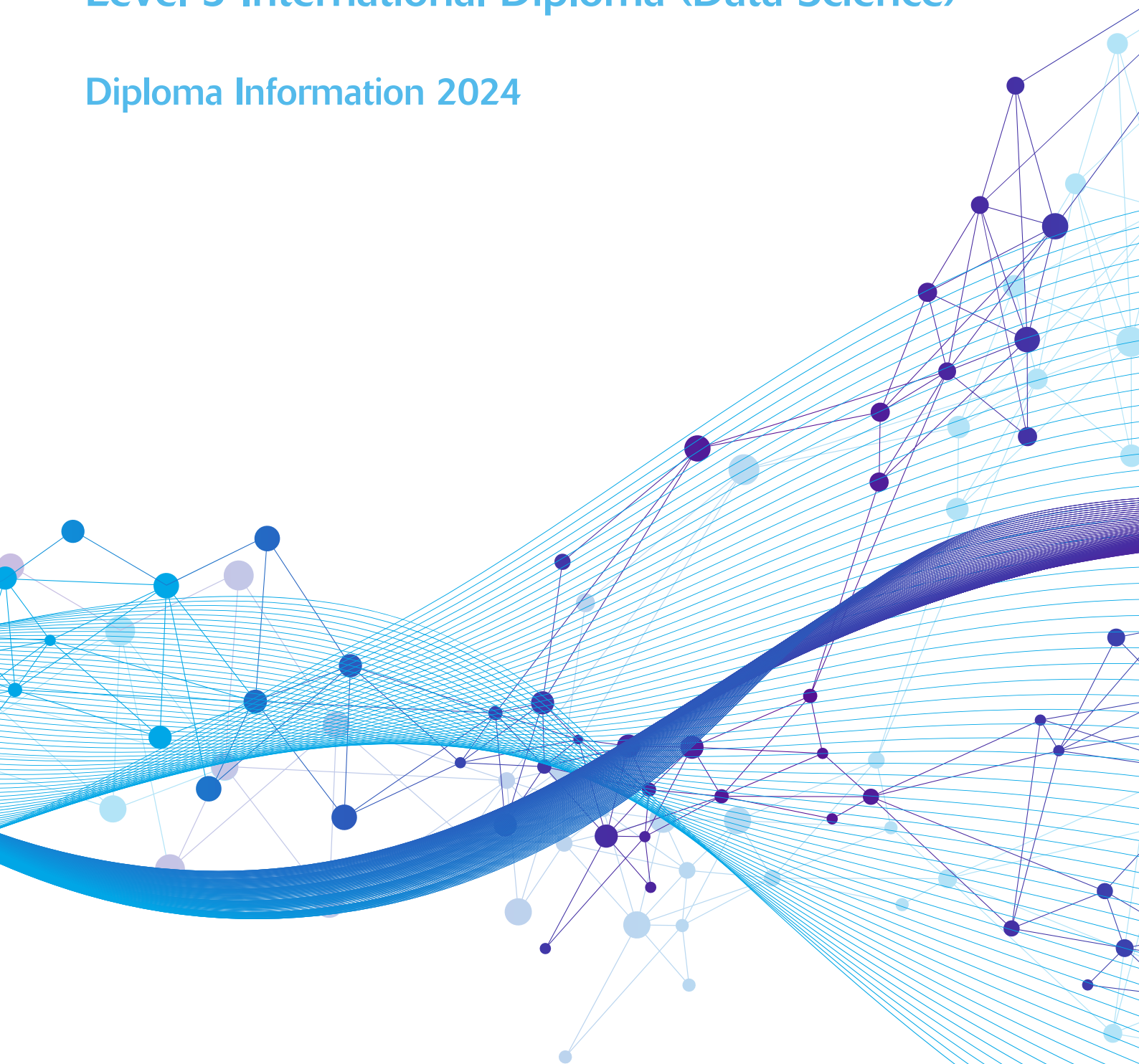


Level 3 International Diploma (Data Science)

Diploma Information 2024



Introduction

At Delta Analytics Training Ltd we believe data science education is for everyone.

As we passionately believe this, we have been working with the AIM Qualifications and Assessment Group (one of the UK's leading Awarding Bodies) to develop this international diploma in Data Science.

The Level 3 diploma in data science has been specifically developed to be accessible to as many people as possible. We believe the diploma is relevant to:

- ✔ Students that recently left school with aspirations to study at a UK or overseas university or college.
- ✔ People already in a career but who are perhaps looking for a change.
- ✔ Anyone who wants to know what all the fuss is about with data science.
- ✔ Employers wishing to train their workforce in data analytics or data science.



The Diploma



**HOURS OF
LEARNING**



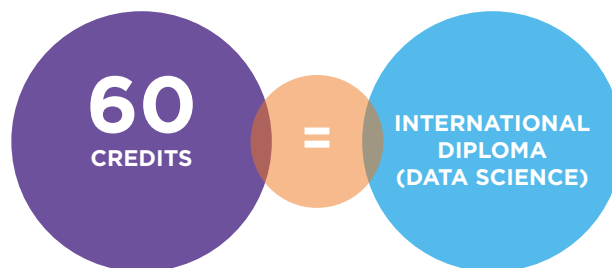
**6-24 MONTHS
OF LEARNING**



**AWARDED BY
AIM**

The **Level 3 International Diploma (Data Science)** is a credit-based qualification awarded by the AIM Qualifications and Assessment Group.

The credit requirement for the achievement of the diploma is 60 credits spread across 15 mandatory units.



Each unit is worth either 3-credits or 6-credits, with a 3-credit unit requiring 30 hours of study, and a 6-credit unit requiring 60 hours of study.



Credits



30 hours



Credits



60 hours

The learning pathway for the diploma is shown on pages 4 and 5, with the pathway showing the number of credits each unit is worth.

Our 2024 Syllabus for the **Level 3 International Diploma (Data Science)** details the learning outcomes and assessment criteria for each unit of the diploma. A copy of the 2024 Syllabus is available from our website or upon request by emailing enquiries@delta-training.co.uk.

Highly respected and acknowledged throughout both the further education and higher education sectors, our diploma provides the knowledge and skills needed to progress to study at a UK or overseas university or college, enabling students to succeed in higher education.

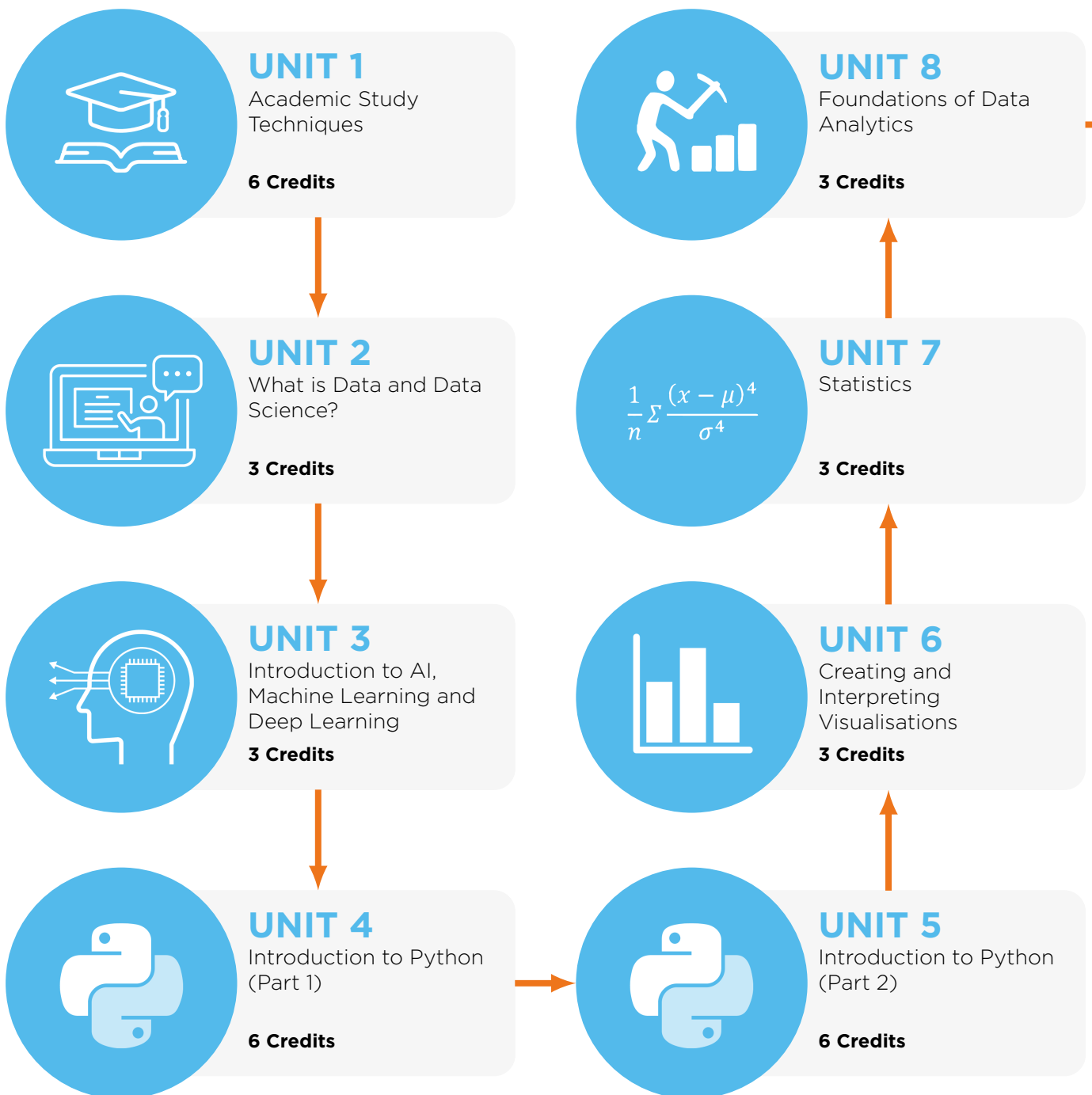
The learning pathway

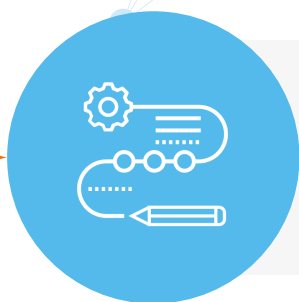
Over 15 mandatory units, the **Level 3 International Diploma (Data Science)** provides a contemporary introduction to data science, artificial intelligence, and machine learning, taking students on a journey from the birth of AI in the 1960s, right through to the big data era of the early 2000s. Students also learn about the current applications of AI and machine learning and the various challenges associated with them.

In addition to learning about standard linear regression, logistic regression, decision trees and *k*-means clustering, the diploma introduces students to graph networks and graph data science.

The diploma also introduces students to the data analytical landscape and associated analytical tools.

We teach introductory Python for data science so that students can analyse, explore, and visualise data, as well as train, test and apply basic data science models.

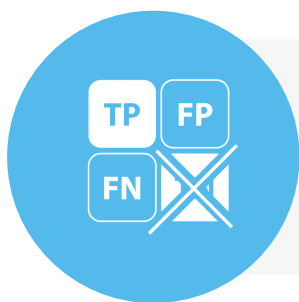




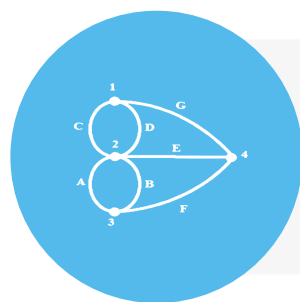
UNIT 9
Machine Learning
Methods and Models
3 Credits



**DIPLOMA
AWARD**



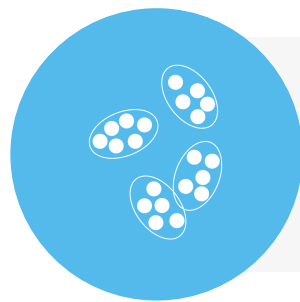
UNIT 10
Foundations of Machine
Learning
6 Credits



UNIT 15
Introduction to Graphs
6 Credits



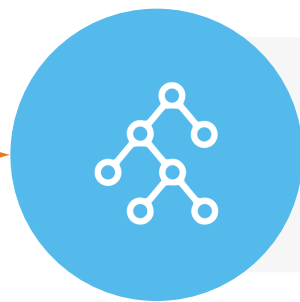
UNIT 11
Linear Regression
3 Credits



UNIT 14
k-means clustering
3 Credits



UNIT 12
Logistic Regression
3 Credits



UNIT 13
Decision Trees
3 Credits

Study options

The **Level 3 International Diploma (Data Science)** is currently only delivered by us via **distance learning**.

Distance learning is ideal for anyone who wants to study independently and at their own pace over a period of 6-to-24 months. Our distance learning delivery is entirely flexible, designed to fit around you and your work, family and other commitments.

With distance learning you can:

- ✓ Start learning any day of the year. (Courses are available from autumn 2024.)
- ✓ Study anywhere in the world, wherever is suitable for you.
- ✓ Study at your own pace over a period of 6-to-24 months, at times and in places that are convenient for you.
- ✓ Take study breaks whenever you wish, subject to completing the diploma within 24 months.



Learning materials and tutor support

As a 100% distance-learning learner, you receive extensive learning materials and e-tutor support via our Learning Portal:

- ✓ Extensive core learning materials, comprising over 1,800 pages.
- ✓ For each unit, a Question & Answer (Q&A) bank of multiple-choice questions with fully-worked out solutions.
- ✓ Academic papers, articles, blogs and other materials to give a wider understanding of each unit.
- ✓ Fully documented and tested Python code in Jupyter notebooks, and supporting data.
- ✓ Factsheets and “cheat sheets” of important concepts.
- ✓ Support from our tutor e-helpdesk throughout the duration of your studies. Our tutors are available to answer any query about our learning materials, as well as grade coursework submissions and provide feedback.



Applying and entry requirements



MATHEMATICS



ENGLISH



PROOF OF
ADDRESS



PROOF OF
IDENTITY

To study the **Level 3 International Diploma (Data Science)**, all prospective students must complete our application process, which can be found on our website:

 <https://delta-training.co.uk>

The application process takes approximately 10 minutes to complete, and you will need to provide:

- ✓ Personal details, address and contact details.
- ✓ Details of relevant academic qualifications, such as school or college results.
- ✓ Two forms of identification – one for proof of residence, and one for proof of identity.

To ensure the diploma is suitable for you, the application process also includes 10 multiple choice questions to assess your current level of knowledge.

Before accepting a prospective student onto the diploma, we review all applications for suitability and conduct a number of background checks. Please note that an application by a student to study our diploma does not mean the application will necessarily be accepted. Although we endeavour to accept all genuine applications, we are not obligated to accept any potential student and in particular we will reject any application that does not meet our requirements.

Academic prerequisites

To study the **Level 3 International Diploma (Data Science)** you should ideally have:

- ✓ The international equivalent of GCSE Mathematics at grade B or higher; and
- ✓ The international equivalent of GCSE English at grade C or higher (level 4 or above).

If you do not have the equivalent international qualifications of GCSE Mathematics and English, then in addition to studying the diploma we strongly advise you to study for a foundation mathematics course at the same time.

As our learning materials are only available in English, and all coursework for assessments must be written in English, you must have excellent English reading and writing skills. We cannot accept students that do not have good reading and writing skills in English.

To be able to study this Level 3 diploma, you need to be comfortable with basic mathematics, such as squaring numbers or taking the square root of a number. Advanced topics such as linear algebra and differential calculus are not covered in this course.

You do not need to have any prior coding experience, though you must be willing and comfortable to learn a programming language. We assume no prior coding experience, and we teach Python and coding practices from scratch. Python has been specifically chosen as it is easy to learn and is widely used by data scientists.



If you have relevant prior learning (such as partial credit from another diploma), then subject to certain conditions being satisfied, that prior learning may be considered as partial credit for this diploma. Further details are available on request from our administration team.

Identity and address checks

To study the **Level 3 International Diploma (Data Science)** you **must be a non-UK resident**. To ensure you are eligible to study this diploma (and in an effort to reduce the potential for fraud) we conduct a number of mandatory identity and address checks.

During our application process, we ask all prospective students to provide us with:

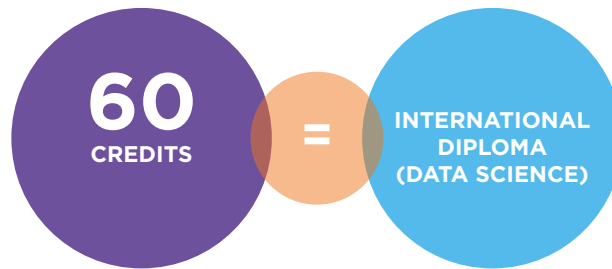
- ✓ One document as proof of identity, such as a driving licence or passport; and
- ✓ One document as proof of a **overseas residential address**, such as a utility bill dated within the last three months.

All students must provide sufficient proof of identity and proof of address. Students cannot commence studying the diploma until we have completed all our background checks, and we have specifically approved each application.



Achieving the Level 3 International Diploma (Data Science)

To be awarded the **Level 3 International Diploma (Data Science)**, a student must achieve all 60 credits by successfully studying all 15 units, and submitting mandatory coursework for each unit. All coursework must receive at least a pass grade in order to be awarded the diploma.



At the end of the diploma, all student grades are checked and moderated internally by us before being independently reviewed by our Awarding Body's internal exam board, i.e. by the AIM Qualifications and Assessment Group.



Once all results have been approved by AIM, students that have successfully completed the diploma will receive a diploma awarded by the AIM Qualifications and Assessment Group.

Student wellbeing support



ADVICE
SERVICES



COUNSELLING



FREE PHONE
HELPLINE



FREE FOR
STUDENTS

We understand that studying whilst also working full or part-time, or simply dealing with life can at times be challenging.

To provide our students with every possible support, we have partnered with **Care first**, a leader in Student Assistance Solutions, providing various assistance and counselling services.

Care first

Care first provide our registered students with a range of wellbeing support services:

- ✓ Confidential, impartial advice and support 24 hours a day, 365 days a year.
- ✓ All calls are answered in the UK.
- ✓ All **Care first** counsellors are members of, and accredited to, the British Association for Counselling and Psychotherapy (BACP), with extensive experience and expertise.
- ✓ Free phone number for counselling, information and advice services.
- ✓ Unlimited access to 24-hour confidential **Care first** “*in the moment*” Counselling, Information and Advice Services.

We provide these services entirely **free of charge** to our UK and overseas registered students.



Our fees



**NO
INTEREST**



**NO
REGISTRATION FEE**



**PAYMENT
PLANS**



**PAYMENT
BREAKS**

We understand that we live in challenging financial and economic times, which is why our fees are inclusive of all learning materials, tutor support, marking and grading of assessments and issuing of diploma certificate upon successful completion of the diploma.

During our on-line registration process, we offer all students the option to pay our fees in full upfront, or to spread the cost interest free over 6, 12 or 18 months.

In addition, it is our commitment to never charge our students:

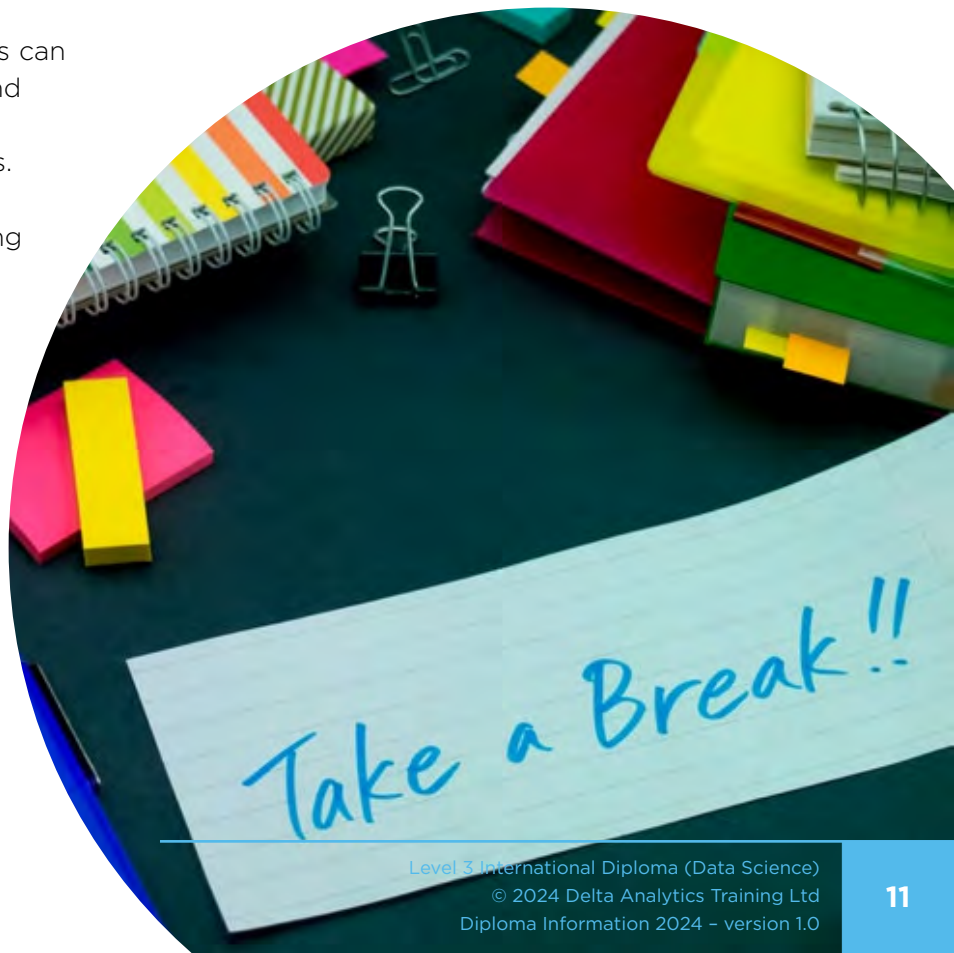
- ✘ A separate registration fee.
- ✘ Any interest on our course fees. However, if payment is made by a credit card, interest charges may be levied by the credit card provider.
- ✘ Additional fees to access the learning materials if the diploma has not been completed within 12 months. Our students can access their learning materials until they have successfully completed the diploma, even if that takes 2 years.



Study and payment breaks

As personal and financial circumstances can change, our students can take study and payment breaks without incurring any additional costs or interest rate charges.

For the full terms and conditions relating to our fees, including any qualifying conditions, please read our Terms and Conditions of Sale.



DELTA

ANALYTICS TRAINING

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