

L6



Digital & Technology Solutions Professional (Data Analyst)

BSc (Hons) Digital & Technology Solution

An introductory guide for prospective participants



Corndel.

Degrees delivered by



CCL
Corndel College
London

Introduction

We live in a digital and data driven world where the demand for data specialists to drive digital transformation and innovation within organisations is ever increasing.

Corndel's Digital & Technology Solutions Professional (Data Analyst) degree apprenticeship, delivered by Corndel College London (CCL), is a training, coaching and professional degree programme which builds and enhances your skills as a future digital leader.

CCL is a new higher education provider delivering degrees designed for the workplace launched by multi award-winning management and technology training provider Corndel. We bring together 1-2-1 coaching with real-world industry experts and the highest quality academic education to equip students with the relevant skills, knowledge and experiences that will benefit your organisation.

CCL's degree offering is powered by Corndel's expertise and knowledge, and brought to life by its partnerships with leading employers across the UK.

The degree will enable you to build your career helping organisations meet digital demand and deliver impact through technology. It is designed to build highly sought-after digital and data skills in areas such as data analytics, DevOps and cyber security.

Programme features



Blended,
personalised
delivery



Practical,
hands-on and
applied



Regular 1-2-1 coaching
with an experienced
industry professional



Bite-sized,
interactive learning
content



Project-based, work-
relevant assessment



Group tutorials and
workshops



Cutting-edge
lectures



Community and
networking



Inspirational quarterly
landmark events



Overview

Digital experts and leaders are critical to every organisation's operational efficiency. CCL's Digital & Technology Solutions Professional (Data Analyst) degree apprenticeship will equip you with the skills and knowledge to drive digital innovation and deliver impact through technology within your organisation.

The programme provides a specialist focus on data analytics whilst integrating in-demand business skills to enable you to operate effectively as a digital leader with measurable impact.

Over 30 months we will work with you to develop your understanding, knowledge and practical application of key concepts and themes within data analytics.



Practical

The programme blends training workshops led by experienced data scientists, one-to-one coaching and hands-on projects to enable you to develop data and coding skills, build familiarity with a variety of analytical techniques and their practical application to your work.



Expert-led

Your Professional Development Expert will work with you over 30 months to support you to complete the degree. They are your own personal coach. You will meet with them on a monthly basis. Our Professional Development Experts are data professionals with on average 13 years industry experience in data related roles. They are well placed to support you to embed data analytics skills into your work.



Respected

CCL's Digital & Technology Solutions Professional (Data Analyst) degree apprenticeship is an accredited undergraduate degree*. On completion, you will achieve a BSc (Hons) Digital & Technology Solutions Professional degree.

*Degree awarded by Kingston University



Content and format

CCL's Digital & Technology Solutions Professional (Data Analyst) degree consists of 12 modules covering core data and technology topics, and integrate in-demand business skills that will help you operate more effectively as a digital expert within your organisation.

The programme is suitable for current and aspiring tech professionals who will be required to prepare and analyse large amounts of data and build predictive tools, whilst championing a data-driven culture within their organisations.

Core concepts are introduced in online textbooks and videos, before being discussed in personal coaching sessions. You will then complete reflections and practical hands-on data analytics projects broken down into short exercises. There will also be occasional workshops and lectures exploring key digital themes. You will also be required to collect evidence from your workplace to showcase your learning, to be discussed with your assessor at your final assessment.

Key features:

- 30-months development programme
- 12 modules covering core topics
- Fortnightly coaching with a Professional Development Expert
- Online videos and e-learning introducing core content
- Bite-sized, practical projects to embed learning
- Monthly workshops delivered by experienced data scientists

You will get:

Accredited BSc (Hons) Digital & Technology Solutions Professional undergraduate degree*

*Degree awarded by Kingston University

Delivered by



Programme overview

During the degree, you will progress through a structured programme of increased academic level. These levels will enable you to develop new skills and attributes that further your learning and potential.

Data fundamentals and coding, technology solutions and projects



- Data structures, platforms and types
- Cloud and hybrid systems
- Programming concepts and languages
- Data cleansing
- Validation and visualisation techniques
- Industry standard tools and methods
- Data security and GDPR
- Project management methodologies and techniques
- Waterfall and Agile Frameworks
- Role of DevOps

Data engineering and infrastructure, business intelligence and information solutions



- IT systems and infrastructure
- Cost effective systems
- Data integration process
- ETL and data pipelines
- Data source and solutions
- Prepare and analyse data
- Stakeholder management
- Business intelligence
- Cybersecurity
- Risk assessment

Data Science (AI and ML), collaboration and business project



- Research and reflection
- Improvement strategies
- Professional practice and business needs
- Ethical research
- Data analysis solutions
- Data analysis project
- Project report



Frequently asked questions

1. Why should I enrol on CCL's Digital & Technology Solutions Degree Apprenticeship?

The degree is designed to ensure you develop the skills to effectively apply advanced analytical techniques to the data you have access to in your day-to-day role, to more quickly identify key insights, make more informed decisions and communicate your findings to your stakeholders. It represents a significant investment by your employer to enable you to develop technical competencies increasingly valuable as data becomes more and more ubiquitous.

You will benefit from technical training, coaching and workplace application to develop your data skills and interpersonal behaviours. By the end of the programme, you will be confidently applying analytical techniques such as clustering, regression and classification to your day-to-day role, as well as have a firm understanding of emerging technologies such as Machine Learning, Deep Learning and Neural Networks and their application in your professional context.

2. Who is the degree for?

It is suitable for existing or aspiring tech professionals who want to build their qualifications to meet growing demands for digital expertise and innovation. Participants will work in a role that requires them to manipulate and use data, but have not received formal training or want to achieve a professional degree qualification to accelerate their data career. Participants on the programme should be committed to their professional development and keen to acquire new knowledge and skills.

CCL delivers the degree to Participants from many industry backgrounds, including logistics, retail, manufacturing, facilities management, and service based businesses.

3. How long does it take to achieve the degree?

The programme lasts 30 months, quickly building familiarity with advanced analytical tools and concepts through hands-on, practical learning.

4. What will I have to do?

You will become familiar with using the techniques to analyse data through self-guided bite-sized practical exercises and a library of custom-created learning content accessed online.

Each week, you will explore one to two topics and undertake short focussed tasks to apply concepts to your business. At least once a month, you will have a one-to-one session with your Professional Development Expert. You will also take part in monthly workshops and tutorials where our data experts will introduce new concepts, tools and techniques.

To support you in applying your learning to role, you will be provided with a dedicated personal coach/consultant known as a Professional Development Expert. This person is experienced at using data skills within industry or research and will be your dedicated single point of contact. You will undertake End Point Assessment to show that you have the skills and knowledge required to pass the Digital & Technology Solutions degree apprenticeship standard.

5. What is the time commitment?

Each module is run over ten weeks.

Your time commitment is likely to be:

- At least monthly 1 hour coaching support with a Professional Development Expert;
- 3 to 5 hours per week working through e-learning & assessment tasks;
- 3 workshops per module for specialist content (1-1.5 hours each);
- 2 hours of lectures for each module;
- 1 hour academic and professional skills development per module;
- Time to reflect on your learning and preparing for coaching sessions;
- Typically, you will also spend five to six hours of your normal working week putting new learning from the Degree into practice in your workplace and gathering evidence to demonstrate your learning. We will record these activities as a key component of the degree.

6. What qualification will I achieve?

On completion, you will achieve a BSc (Hons) Digital & Technology Solutions Professional (Data Analyst) undergraduate degree*.

*Degree awarded by Kingston University

7. What is my employer investing in me to undertake the degree?

Your organisation is making a £27,000 investment in you to undertake this programme. Since 2017, businesses have paid a Government training levy (the apprenticeship levy) which your employer has chosen to invest in your personal development as a highly-valued employee.

8. Am I eligible to undertake the degree?

If your employer is using the levy to fund your degree, you need to meet some Government eligibility criteria. The main ones are:

- You must work at least 50% of the time in England;
- If you are a UK or EU/EEA citizen, you must have lived in the UK or EU/EEA countries for the last three years;
- You cannot be funded if you already have a qualification at the same level or above, in this subject area.

Your employer may have additional criteria.

9. How do I enrol?

Your employer will give CCL a list of the people who wish to enrol. We will then send you an online enrolment form, ask for proof of identity and residency, and check eligibility.

Government rules mean you will also need to show us evidence of past English and Maths qualifications.

10. How is the programme assessed?

At the end of your apprenticeship study period, you will enter a gateway period where you have 12 weeks to complete your substantive data analyst project.

You will then have a formal assessment called End Point Assessment, which is an online professional discussion with an independent assessor, who will assess your competencies against various knowledge, skills and behaviours.

You will present a presentation to the assessor during the Live Assessment Day, as well as have a professional discussion about your portfolio of evidence which you will compile during the programme.



Corndel works with leading UK organisations to develop the organisational capabilities which drive performance.

We design and deliver people development programmes to support operational improvement, digital transformation, data analytics, cultural change and leadership development.

Our programmes are carefully designed to take advantage of the Apprenticeship Levy, so organisations can maximise their investment in valued employees.

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