Bradford College

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Higher National Level 4 Flex – Data Analytics

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Subject Area	Digital
Course Type	Higher Education
Study Level	Level 4
Delivery Mode	Part-time
Location	David Hockney Building
Duration	12 Weeks
Start Date	September 2025
Course Code	HA000006

Course Summary

Are you ready to take your career to the next level with data-driven decision-making skills? Whether you're looking to dive deep into data analytics as part of a larger HNC programme, or if you're seeking a standalone module to boost your current skill set, this short course offers you the flexibility to learn in a way that fits your schedule and lifestyle.

This **Data Analytics** unit introduces you to the core principles of data analytics, bridging the gap between theory and practice. Delivered through a **blended learning** approach, you will benefit from a combination of face-to-face sessions and online learning, giving you the freedom to engage with the material in a dynamic and flexible way. This course is ideal for working professionals who want to expand their skillset in data analytics without committing to a full-time program. Whether you're an aspiring data analyst or looking to add value to your current role, this course will provide you with the tools to excel in today's data-driven world.

What You Will Learn

- Foundations of Data Analytics: Understand the terminology, key concepts, and the different types of data analytics, including descriptive, predictive, and prescriptive analytics
- Data Exploration & Visualization: Learn to explore complex data sets and visualize findings in clear, meaningful ways to make informed decisions.
- Hands-On Experience: Gain practical, real-world experience using top-tier programming languages (Python/R) and popular data analysis tools like Weka, KNIME, Power BI, and Excel.
- Statistical Analysis & Interpretation: Master the techniques for analyzing and interpreting data, ensuring you can make data-backed decisions with confidence.

Modules

- Data analysis techniques and tools
- Statistical analysis and interpretation
- Data visualization methods

Progression

Each module is worth 15 credits. If you successfully complete one, two or three modules, you will receive a Certificate of Unit Credit (CoUC) upon completion of the individual units. If you finish 8 units, you will awarded a HNC. **You can progress onto other units, and then onto a HNC or HND.**

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