

Knowledge and skills workshops

Training consists of six days of knowledge and skills workshops. Students wishing to undertake the associated Vocational Qualification can select a variety of assessment models based on organisational needs. Learners can achieve the vocational qualification via distance learning if desired. A suggested delivery model is detailed below.

Workshop 1 (2 days)	
DAY 1 – Intelligence Fundamentals	
Introduction to Intelligence	Intelligence Cycle
Evaluating Sources of Intelligence	Collection Planning
DAY 2 – Introduction to Intelligence Analysis	
Introduction to Analytical Techniques	
Pattern Analysis	Assumption and Bias
Maximising the Dissemination of Intelligence Products	
A time break of 4-6 weeks is suggested between workshops 1 and 2. This is an opportunity for QCF evidence to be collected via Performance Evidence Collection workshops or by the learner.	
Workshop 2 (2 days) Analytical Techniques	
It is suggested that techniques which support strategic planning and decision making are chosen, which will best support the learner's role.	
DAY 3 – Theory and practical exercise for:	
Intelligence Preparation of the Environment (IPE)	
Quantitative vs Qualitative Analysis	
Theory and practical exercise for each analytical technique below:	
SWOT Analysis	Centre of Gravity Analysis
Environment Scanning	
DAY 4 – Theory and practical exercise for:	
Backcasting	Cone of Plausibility
Measure of Effect Analysis	Link Analysis
A time break of 4-6 weeks is suggested between workshops 2 and 3. This is an opportunity for the Vocational Qualification evidence to be collected via Performance Evidence Collection workshops or by the learner.	
Workshop 3 (2 days) Final exercise	
DAY 5	
Completion of a live business project which will focus on strategic data analysis/integration issues across departmental boundaries within the learner's Water company.	
Learners from different parts of the company will work collaboratively in small groups on a selected project. They will utilise a range of the analytical techniques examined in the previous training days. Each group will present back their findings/recommendations to an invited management team at the end of day 6.	
There will be a gap of approximately two weeks between days 5 and 6. During this period, learners will receive coaching and support to progress the project.	
DAY 6	
Morning: learners make final refinements to their presentation	
Afternoon: learners present their findings and recommendations to an invited management team.	

Qualification achievement pathway

To achieve the Level 4 Diploma QCF in Intelligence Operations you must complete the following evidence collection workshops. Learners will be given the opportunity to attend both knowledge and practical evidence collection workshops, during which they can demonstrate the knowledge and analytical skills developed during the training package and produce a detailed evidence portfolio.

EVIDENCE COLLECTION WORKSHOP 1 (KNOWLEDGE)
Intelligence Fundamentals and Theory of Dissemination
EVIDENCE COLLECTION WORKSHOP 2 (KNOWLEDGE)
Analytical Techniques
EVIDENCE COLLECTION WORKSHOP 3 (SKILLS)
Review of workplace product and workplace observation

The model

Watertrain will:

- carry out a scoping exercise prior to training and through engagement with your organisation to determine how best to deliver training in line with your organisational needs and challenges
- design and develop the underpinning knowledge and skills workshops based on your organisational needs
- appoint dedicated training and assessment staff who will be fully available to answer and support learner queries for the duration of their qualification
- ensure that all learning and assessment is pre-planned with learners and their line managers to ensure it is realistic and achievable in line with work commitments
- deliver six training days as outlined above and three performance evidence workshops. These will include vocational assessments. Workshops may be delivered on the employer's premises or at regional centres

"I would recommend the Level 4 Higher Diploma in Intelligence Operations to any intelligence analyst, regardless of their specific role or their level of experience. Despite having worked in this field for a number of years, the analytical techniques training helped me to understand the theory behind my analysis, and identified new techniques that I am now able to implement."
Deputy Department Head, National Crime Agency

Interested? Please contact:

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Level 4 Higher Diploma in Intelligence Operations



The pre-eminent intelligence analysis qualification available for the Water Industry.

The Level 4 Higher Diploma in Intelligence Operations is a newly released qualification, which allows Water Industry candidates to study programmes that are entirely specific to their role.

Previously, those working in the Water sector were only able to join mainstream Business Administration or IT programmes, however they can now achieve qualifications which are both relevant and highly prestigious. The candidate's role may involve gathering and collating data from a wide range of sources – both human and electronic – in order to provide analysis to those involved in high-level strategic and tactical decision making.



Meets the needs of AMP6

The Higher Diploma in Intelligence Analysis is, to date, the highest vocational intelligence analysis qualification available in the UK. The qualification is built around a robust training and assessment package that will develop those analytical competencies critical to supporting strategic decision making.

In line with the Asset Management Programme 6 (AMP6), understanding of the strategic environment and customer requirements will be key to ensuring corporate success in an increasingly competitive market. This qualification will give those working within a variety of business intelligence roles the key skills to assist with predictive assessment and risk management strategies.

With the growth of BIM, evolving analytical training is essential to those Water Industry organisations looking to remain competitive. We offer techniques which maximise both quantitative and qualitative intelligence sources to embed and improve understanding of the strategic environment. Candidates can, if they wish, achieve a recognised level 4 Qualification on the QCF framework.

Who are the qualifications suitable for?

Any Water Industry role requiring the following competencies:

- Collection of data from various sources
- Analysing data using one or more recognised techniques
- Identifying patterns and trends within data
- Forming assessments based on analysis
- Creating and disseminating products or reports based on the results of data analysis, such as detailed written intelligence reports, intelligence based presentations, statistical analysis products and link analysis charts
- Making recommendations as a result of intelligence analysis to support organisational decision making and the achievement of strategic objective



Example industries and roles

The qualification is suitable for those working in the following industries:

Water

Power

Waste management

Process, chemicals and pharmaceuticals

In roles and areas such as:

Asset Delivery

Laboratories

Metering

Process Engineers and Technicians

Business Analysts

Leakage Technicians and Analysts

CRM Managers

Asset Design Managers and Engineers

ICT Technicians

Water and WasteWater Network Managers, Analysts, Technicians and Engineers

What does the Level 4 qualification cover?

Candidates will gain advanced competencies in intelligence analysis to support decision making, including:

- In-depth understanding of the intelligence cycle
- Comprehensive understanding of collection methods, collection planning and intelligence capabilities
- Understanding of audit trails relating to intelligence analysis
- An understanding of the security and intelligence handling requirements relating to national legislation
- Detailed analytical techniques training (theory and practical) – to include link analysis, analysis of competing hypothesis, cone of plausibility, backcasting and SWOT analysis
- The ability to create and disseminate products or reports based on the results of data analysis and to specific customer requirements
- Training will also focus on developing the ability to effectively disseminate intelligence
- Training in the formation of assessments and recommendations to support organisational goals
- Additional analytical techniques training as required by the candidate's role

What are the benefits?

- The highest level vocational qualification available to those working within intelligence and data analysis roles in the UK
- The training will give analysts a unique analytical skill set, enabling them to better support organisational decision making
- Analysts that successfully complete the programme will be more capable of identifying trends and patterns across a spectrum of fields – to include predictive environmental, risk and market analysis. This will better support the implementation of BIG DATA systems, providing the knowledge to fully understand data analysis techniques, improving the accuracy and efficiency of assessment
- Training will give analysts the confidence to understand the processes behind data analysis, improving the effectiveness and efficiency of BIG DATA analysis programmes