

Office of Qualifications and Examinations Regulation: Ofqual. We **regulate qualifications, examinations and assessments** in England and vocational qualifications in Northern Ireland. It is our duty to ensure all learners get the results they deserve and that their qualifications are correctly valued and understood, now and in the future.



Cogent is the UK's industry skills body for chemicals, pharmaceuticals, nuclear, oil and gas, petroleum and polymer businesses, and we also have a key role in meeting the skills needs of emerging technologies.

As an employer-led Sector Skills Council (SSC), we work with industry **to research and forecast skills needs and develop fit-for-purpose standards and qualifications and other skills solutions.**

PAA\VQ-SET

PAA\VQ-SET is a specialist **Awarding Body offering vocational qualifications.**

PAA\VQ-SET offer competence-based and knowledge-based qualifications which have been accredited within the Qualifications and Credit Framework (QCF). These qualifications are nationally recognised qualifications and regulated by the Regulatory Authority for England, Wales and Northern Ireland, the Office of the Qualifications and Examinations Regulator (Ofqual).

PAA\VQ-SET QCF Qualification Approved Centre

Hydroviron Ltd will operate 5 qualifications under the title of Water Treatment (with a number of sub-pathways related to job roles) leading to Nationally regulated & recognised Qualifications awarded after on the job assessment of knowledge, understanding and skill by an approved center. The available qualifications range from a level 2 Award (requiring 9 credits) to a level 3 Diploma (requiring 41 to 48 credits depending on the individual's job role).

These are vocational competence based qualifications which assess practical experience (skill), internal training, knowledge from self-study and may also require approved additional training. If you would like to know more Contact Us

Water Treatment (QCF)

These QCF qualifications provide recognition of the skills, competence and knowledge of individuals working in the water treatment industry. There are qualifications available at Levels 2 and 3 to allow for progression.

Qualification detail:

1. Level 2 Award in Water Treatment (QCF) – 9 Credits
2. Level 2 Certificate in Water Treatment (QCF)
Offering 5 pathways
 - a) Water Testing – 19 Credits
 - b) Water Systems Cleaning – 18 Credits
 - c) Water System Remedials – 22 Credits
 - d) Water Treatment Equipment Engineering – 19 Credits
 - e) Legionella Risk Assessment Surveying – 19 Credit
3. Level 2 Diploma in Water Treatment (QCF)
4. Level 3 Certificate in Water Treatment (QCF)
Offering 4 pathways
 - a) Water Treatment Specialism – 27 Credits
 - b) Water Treatment Systems Cleaning Supervision – 28 Credits
 - c) Water Treatment Equipment Specialism – 26 Credits
 - d) Leisure Pool Water Quality Management – 27 Credits
5. Level 3 Diploma in Water Treatment (QCF)
Offering 5 pathways
 - a) Water Treatment Technology – 48 Credits
 - b) Water Treatment Equipment Technology – 42 Credits
 - c) Legionella Risk Assessment Hot and Cold Water Services – 41 Credits
 - d) Legionella Risk Assessment Evaporative Cooling Processes – 48 Credits
 - e) Legionella Risk Assessment Process Water Systems – 48 Credits

Who are the Qualifications for:

These qualifications provide recognition of the skills, competence and knowledge of individuals working in the water treatment industry. Each qualification contains 4 Common Mandatory Units which cover taking samples, analysing samples, comparing test results and utilising record keeping systems in the water treatment industry. The Level 2 and 3 Certificates and Diplomas build on these core mandatory units and enable individuals to develop their skills and knowledge in specialised areas.

Award in Water Treatment (QCF)

Level 2 9 Credits

For the Award: 4 Units totalling 9 Credits are required.

Common Mandatory Units

WT2.02	Analyse Samples from Water Systems on Site – 2 Credits
WT2.05	Compare Test Results of Water System Samples – 2 Credits
WT2.14	Sample from Water Systems – 3 Credits
WT2.15	Utilise Record Keeping Systems – 2 Credits

Certificate in Water Treatment (QCF)

Level 2

There are five Pathways within this qualification:

- Water Testing: A minimum of 19 Credits are required.
- Water Systems Cleaning: 18 Credits are required.
- Water System Remedials: A minimum of 22 Credits are required.
- Water Treatment Equipment Engineering: A minimum of 19 Credits.
- Legionella Risk Assessment Surveying: 19 Credits are required.

For each Pathway learners must complete 4 common Mandatory Units plus additional Mandatory and/or Optional Units to achieve the stated minimum Credit values.

Common Mandatory Units

WT2.02	Analyse Samples from Water Systems on Site – 2 Credits
WT2.05	Compare Test Results of Water System Samples – 2 Credits
WT2.14	Sample from Water Systems – 3 Credits
WT2.15	Utilise Record Keeping Systems – 2 Credits

Water Testing

Additional Mandatory Units

WT2.01	Adjust Dosing and Control Equipment – 3 Credits
WT2.07	Dose Chemicals to Water Systems – 3 Credits

Optional Units

A minimum of 4 Credits are required

WT2.09	Monitor Water Treatment for Closed Water Systems – 4 Credits
WT2.11	Monitor Water Treatment for Evaporative Cooling Systems – 5 Credits
WT2.12	Monitor Water Treatment for Leisure Pools – 4 Credits
WT2.13	Monitor Water Treatment for Steam Generation Systems – 5 Credits

Water Systems Cleaning

Additional Mandatory Units

WT2.07	Dose Chemicals to Water Systems – 3 Credits
WT2.08	Monitor Water System Cleaning Operations – 4 Credits
WT2.16	Work Effectively in a Team – 2 Credits

Water System Remedials

Additional Mandatory Units

WT2.03	Carry Out Remedial Works to Water Systems – 4 Credits
WT2.07	Dose Chemicals to Water Systems – 3 Credits
WT2.08	Monitor Water System Cleaning Operations – 4 Credits

Optional Units

A minimum of 2 Credits are required

WT2.01	Adjust Dosing and Control Equipment – 3 Credits
WT2.04	Carry Out Water System Survey – 2 Credits

- WT2.06 Create Water System Diagrams – 4 Credits
- WT2.16 Work Effectively in a Team – 2 Credits
- WT3.13 Install Water Treatment Equipment – 4 Credits

Water Treatment Equipment Engineering

Optional Units – Group 1

A minimum of 6 Credits are required

- WT2.01 Adjust Dosing and Control Equipment – 3 Credits
- WT2.03 Carry Out Remedial Works to Water Systems – 4 Credits
- WT2.04 Carry Out Water System Survey – 2 Credits
- WT2.06 Create Water System Diagrams – 4 Credits

Optional Units – Group 2

A minimum of 4 Credits are required

- WT3.10 Commission Water Treatment Equipment – 4 Credits
- WT3.13 Install Water Treatment Equipment – 4 Credits
- WT3.16 Service Water Treatment Equipment - 4 Credits

Legionella Risk Assessment Surveying

Additional Mandatory Units

- WT2.04 Carry Out Water System Survey – 2 Credits
- WT2.06 Create Water System Diagrams – 4 Credits
- WT2.10 Monitor Water Treatment for Domestic Water Systems – 4 Credits

Diploma in Water Treatment (QCF)

Level 2 37 Credits

For the Diploma: A minimum of 37 Credits are required.

Common Mandatory Units

WT2.02	Analyse Samples from Water Systems on Site – 2 Credits
WT2.05	Compare Test Results of Water System Samples – 2 Credits
WT2.14	Sample from Water Systems – 3 Credits
WT2.15	Utilise Record Keeping Systems – 2 Credits

Additional Mandatory Units

WT2.01	Adjust Dosing and Control Equipment – 3 Credits
WT2.07	Dose Chemicals to Water Systems – 3 Credits

Optional Units – Group 1

A minimum of 9 Credits are required

WT2.09	Monitor Water Treatment for Closed Water Systems – 4 Credits
WT2.11	Monitor Water Treatment for Evaporative Cooling Systems – 5 Credits
WT2.13	Monitor Water Treatment for Steam Generation Systems – 5 Credits

Optional Units – Group 2

A minimum of 13 Credits are required

WT2.04	Carry Out Water System Survey – 2 Credits
WT2.06	Create Water System Diagrams – 4 Credits
WT3.01	Apply a Water Treatment Programme for Closed Water Systems – 8 Credits
WT3.03	Apply a Water Treatment Programme for Effluent Treatment Systems – 8 Credits
WT3.07	Assess the Performance of Water Systems Programme – 8 Credits
WT3.11	Give Presentations and Demonstrations in the Water Treatment Industry – 2 Credits
WT3.12	Handle Non Conformances – 3 Credits

Certificate in Water Treatment (QCF)

Level 3

There are four Pathways within this qualification:

- Water Treatment Specialism: A minimum of 27 Credits are required.
- Water Treatment Systems Cleaning Supervision: 28 Credits are required.
- Water Treatment Equipment Specialism: A minimum of 26 Credits are required.
- Leisure Pool Water Quality Management: 27 Credits are required.

For each Pathway learners must complete 4 common Mandatory Units plus additional Mandatory and/or Optional Units to achieve the stated minimum Credit values.

Common Mandatory Units

WT2.02	Analyse Samples from Water Systems on Site – 2 Credits
WT2.05	Compare Test Results of Water System Samples – 2 Credits
WT2.14	Sample from Water Systems – 3 Credits
WT2.15	Utilise Record Keeping Systems – 2 Credits

Water Treatment Specialism

Additional Mandatory Units

WT3.08	Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
WT3.12	Handle Non Conformances – 3 Credits

Optional Units – Group 1

A minimum of 3 Credits are required

WT2.01	Adjust Dosing and Control Equipment – 3 Credits
WT2.04	Carry Out Water System Survey – 2 Credits
WT2.06	Create Water System Diagrams – 4 Credits
WT2.11	Monitor Water Treatment for Evaporative Cooling Systems – 5 Credits
WT2.13	Monitor Water Treatment for Steam Generation Systems – 5 Credits

Optional Units – Group 2

A minimum of 10 Credits are required

WT3.01	Apply a Water Treatment Programme for Closed Water Systems – 8 Credits
WT3.02	Apply a Water Treatment Programme for Domestic Water Systems – 8 Credits
WT3.03	Apply a Water Treatment Programme for Effluent Treatment Systems – 8 Credits
WT3.05	Apply a Water Treatment Programme for Potable Water Systems – 8 Credits
WT3.07	Assess the Performance of Water Systems Programme – 8 Credits
WT3.11	Give Presentations and Demonstrations in the Water Treatment Industry – 2 Credits
WT3.15	Prepare, Produce and Present Quotations and Tenders for the Water Treatment Industry – 3 Credits

Water Treatment Systems Cleaning Supervision

Additional Mandatory Units

WT2.07	Dose Chemicals to Water Systems – 3 Credits
WT3.06	Apply a Water Treatment Programme for Water System Cleaning Operations – 8 Credits
WT3.11	Give Presentations and Demonstrations in the Water Treatment Industry – 2 Credits
WT3.14	Maintain Health, Safety and Environment in Water Management – 3 Credits
WT3.17	Supervise a Team – 3 Credits

Water Treatment Equipment Specialism

Additional Mandatory Units

- WT3.08 Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
- WT3.12 Handle Non Conformances – 3 Credits

Optional Units

A minimum of 12 Credits are required

- WT2.01 Adjust Dosing and Control Equipment – 3 Credits
- WT3.07 Assess the Performance of Water Systems Programme – 8 Credits
- WT3.10 Commission Water Treatment Equipment – 4 Credits
- WT3.11 Give Presentations and Demonstrations in the Water Treatment Industry – 2 Credits
- WT3.13 Install Water Treatment Equipment – 4 Credits
- WT3.15 Prepare, Produce and Present Quotations and Tenders for the Water Treatment Industry – 3 Credits
- WT3.16 Service Water Treatment Equipment - 4 Credits
- WT3.17 Supervise a Team – 3 Credits

Leisure Pool Water Quality Management

Additional Mandatory Units

- WT2.07 Dose Chemicals to Water Systems – 3 Credits
- WT3.04 Apply a Water Treatment Programme for Leisure Pools - 8 Credits
- WT3.12 Handle Non Conformances – 3 Credits
- WT3.16 Service Water Treatment Equipment - 4 Credits

Diploma in Water Treatment (QCF)

Level 3

There are five Pathways within this qualification:

- Water Treatment Technology: A minimum of 48 Credits are required.
- Water Treatment Equipment Technology: A minimum of 42 Credits are required.
- Legionella Risk Assessment Hot and Cold Water Services: 41 Credits are required.
- Legionella Risk Assessment Evaporative Cooling Processes: 48 Credits are required.
- Legionella Risk Assessment Process Water Systems: 48 Credits are required.

For each Pathway learners must complete 4 common Mandatory Units plus additional Mandatory and/or Optional Units to achieve the stated minimum Credit values.

Common Mandatory Units

WT2.02	Analyse Samples from Water Systems on Site – 2 Credits
WT2.05	Compare Test Results of Water System Samples – 2 Credits
WT2.14	Sample from Water Systems – 3 Credits
WT2.15	Utilise Record Keeping Systems – 2 Credits

Water Treatment Technology

Additional Mandatory Units

WT3.07	Assess the Performance of Water Systems Programme – 8 Credits
WT3.08	Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
WT3.11	Give Presentations and Demonstrations in the Water Treatment Industry – 2 Credits
WT3.12	Handle Non Conformances – 3 Credits

Optional Units - Group 1

A minimum of 9 Credits are required

WT3.01	Apply a Water Treatment Programme for Closed Water Systems – 8 Credits
WT3.02	Apply a Water Treatment Programme for Domestic Water Systems – 8 Credits
WT3.03	Apply a Water Treatment Programme for Effluent Treatment Systems – 8 Credits
WT3.05	Apply a Water Treatment Programme for Potable Water Systems – 8 Credits
WT3.14	Maintain Health, Safety and Environment in Water Management – 3 Credits
WT3.15	Prepare, Produce and Present Quotations and Tenders for the Water Treatment Industry – 3 Credits
WT3.16	Service Water Treatment Equipment - 4 Credits
WT3.17	Supervise a Team – 3 Credits

Optional Units - Group 2

A minimum of 15 Credits are required

WT4.01	Evaluate Water Treatment for Evaporative Cooling Systems – 15 Credits
WT4.02	Evaluate Water Treatment for Process Water Systems – 15 Credits
WT4.03	Evaluate Water Treatment for Steam Generation Systems – 15 Credits

Water Treatment Equipment Technology

Additional Mandatory Units

WT3.07	Assess the Performance of Water Systems Programme – 8 Credits
WT3.10	Commission Water Treatment Equipment – 4 Credits
WT3.12	Handle Non Conformances – 3 Credits

- WT3.13 Install Water Treatment Equipment – 4 Credits
- WT3.16 Service Water Treatment Equipment - 4 Credits

Optional Units

A minimum of 10 Credits are required

- WT2.04 Carry Out Water System Survey – 2 Credits
- WT2.06 Create Water System Diagrams – 4 Credits
- WT3.08 Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
- WT3.11 Give Presentations and Demonstrations in the Water Treatment Industry – 2 Credits
- WT3.14 Maintain Health, Safety and Environment in Water Management – 3 Credits
- WT3.15 Prepare, Produce and Present Quotations and Tenders for the Water Treatment Industry – 3 Credits
- WT3.17 Supervise a Team – 3 Credit

Legionella Risk Assessment Hot and Cold Water Services

Additional Mandatory Units

- WT3.02 Apply a Water Treatment Programme for Domestic Water Systems – 8 Credits
- WT3.05 Apply a Water Treatment Programme for Potable Water Systems – 8 Credits
- WT3.08 Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
- WT3.09 Carry Out Legionella Risk Assessments and Reviews – 11 Credits
- WT3.12 Handle Non Conformances – 3 Credits

Legionella Risk Assessment Evaporative Cooling Processes

Additional Mandatory Units

- WT3.02 Apply a Water Treatment Programme for Domestic Water Systems – 8 Credits
- WT3.08 Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
- WT3.09 Carry Out Legionella Risk Assessments and Reviews – 11 Credits
- WT3.12 Handle Non Conformances – 3 Credits
- WT4.01 Evaluate Water Treatment for Evaporative Cooling Systems – 15 Credits

Legionella Risk Assessment Process Water Systems

Additional Mandatory Units

- WT3.02 Apply a Water Treatment Programme for Domestic Water Systems – 8 Credits
- WT3.08 Carry Out a Review Meeting in the Water Treatment Industry – 2 Credits
- WT3.09 Carry Out Legionella Risk Assessments and Reviews – 11 Credits
- WT3.12 Handle Non Conformances – 3 Credits
- WT4.02 Evaluate Water Treatment for Process Water Systems – 15 Credits