



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.

Document detail:

Level 2 Award in Water Treatment (QCF) - 9 Credits

Level 2 Certificate in Water Treatment (QCF)

- **Water Testing - 19 Credits**
- **Water Systems Cleaning - 18 Credits**
- **Water System Remedials - 22 Credits**
- **Water Treatment Equipment Engineering - 19 Credits**
- **Legionella Risk Assessment Surveying - 19 Credits**

Level 2 Diploma in Water Treatment (QCF)

Level 3 Certificate in Water Treatment (QCF)

- **Water Treatment Specialism - 27 Credits**
- **Water Treatment Systems Cleaning Supervision - 28 Credits**
- **Water Treatment Equipment Specialism - 26 Credits**
- **Leisure Pool Water Quality Management - 27 Credits**

Level 3 Diploma in Water Treatment (QCF)

- **Water Treatment Technology - 48 Credits**
- **Water Treatment Equipment Technology - 42 Credits**
- **Legionella Risk Assessment Hot and Cold Water Services - 41 Credits**
- **Legionella Risk Assessment Evaporative Cooling Processes - 48 Credits**
- **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
	600/3216/9	
Last Registration Date	31st July 2016	
Last Certification Date	31st December 2017	

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

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 are required.
- **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
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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
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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
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Diploma in Water Treatment (QCF)	Level 2	37 Credits
	600/3217/0	
Last Registration Date	31st July 2016	
Last Certification Date	31st December 2017	

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

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
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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
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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
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Diploma in Water Treatment (QCF)	Level 3
	600/3234/0
Last Registration Date	31 st July 2016
Last Certification Date	31 st December 2017

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
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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
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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
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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
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