Qualification Title:

GQA-PAA\VQ-SET Level 3 NVQ Diploma in Processing Industries Operations

Qualification Number: 500/7802/1

Welsh Qualification Number: C00/0194/9

Qualification Specification

# Who is this qualification for?

This work-based qualification provides recognition of the skills and knowledge of individuals working in a processing environment in the chemical, pharmaceutical, petrochemical and nuclear environments.

This qualification is at Level 3 and is intended for individuals who can demonstrate skills and knowledge to deal with complex matters and who have the opportunity and responsibility to carry out emergency procedures within the Processing working environment. The groups of optional units make the qualification suitable for as wide a range of job roles and Organisations as possible.

There is also a Level 2 qualification for Processing Industries Operations available from GQA Qualifications, please email info@gqaqualifications.com for more information.

# Entry requirements

There are no formal entry requirements for learners undertaking this qualification. However, centres must ensure that learners have the potential and opportunity to gain the qualification successfully.

# Qualification support

This qualification has been designed and developed by GQA Qualifications with the support of Industry.

# Regulatory information

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| Countries offered in:  | England, Northern Ireland, Wales |
| Qualification type: | Occupational Qualification |
| Subject/sector areas  | Processing Operations  |
| Qualification review date:  | 30/06/2023 |
| Applicable age ranges (years):  | 16-18, 19+ |

# Further information

Further information about this qualification can be obtained from: [www.gqaqualifications.com/qualifications](http://www.gqaqualifications.com/qualifications)

You can also contact GQA Qualifications directly at:

GQA Qualifications Ltd, Unit 1, 12 O’clock Court, Attercliiffe Road, Sheffield S4 7WW.

Tel 01142 720033, email to info@gqaqualifications.com

# Qualification achievement

A total of 20 units must be achieved (10 knowledge units and 10 competence units), see below for a breakdown

***Mandatory Units:*** All 6 Mandatory Units must be achieved

***Optional Units Group 1:*** Learners must achieve 6 units. Knowledge and competence units must be taken in combination i.e. if unit 3.3k is chosen, unit 3.3c must also be completed; and vice-versa.

***Optional Units Group 2:*** Learners must achieve 8 units. Knowledge and competence units must be taken in combination i.e. if unit 2.10k is chosen, unit 2.10c must also be completed; and vice-versa.

If units 3.6k and 3.6c have already been chosen in Option Group 1, they cannot again be chosen from Option Group 2.

GQA qualifications are made up of units that have a credit value or credits. These credits must be achieved in the correct combination of mandatory and optional units. Qualifications are now required to indicate the total qualification time (TQT), this is to show the typical time it will take someone to attain the required skills and knowledge to meet the qualification criteria.

The units of assessment set out learning outcomes which describe what learners need to be able to do and understand. The learning outcomes are defined by assessment criteria which are used to assess competence, expressed as skills achieved and learned knowledge and understanding, to achieve the units. Achievement of the mandatory unit and optional units will mean the qualification has been completed and will be subject to approval of a claim for certification. GQA Qualifications will issue a certificate complete with the learner’s name, the qualification and unit titles and the credits achieved.

# Qualification Structure

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| **Qualification Title:**  | GQA-PAA\VQ-SET Level 3 NVQ Diploma in Processing Industries Operations |
| **Qualification Number (QAN):** | 500/7802/1 |
| **Welsh Qualification Number:** | C00/0194/9 |
| **Total Credits:** | 48 |
| **Total Qualification Time (TQT):** | 480 |
| **Guided Learning Hours (GLH):** | 285 |
| **Unit number**  | **Title**  | **Level** | **Credit** |
| **Mandatory Units** |
| 1.12k | How to Handover within Processing Industries Environments  | 2 | 2 |
| 1.12c | Handover within Processing Industries Environments  | 2 | 2 |
| 1.13k | How to Work Effectively in a Team within Processing Industries Environments  | 2 | 3 |
| 1.13c | Work Effectively in a Team within Processing Industries Environments  | 2 | 2 |
| 3.10k | How to Carry Out Emergency Procedures within Processing Industries Environments  | 3 | 3 |
| 3.10c | Carry Out Emergency Procedures within Processing Industries Environments  | 3 | 2 |
| **Optional Units Group 1 a minimum of 6 units must be achieved** *Knowledge and competence units must be taken in combination i.e. if unit 3.3k is chosen, unit 3.3c must also be completed; and vice-versa.*  |
| **Unit number** | **Title** | **Level** | **Credit** |
| 3.3k | How to Prepare for Complex Processing Operations within Processing Industries Environments  | 3 | 4 |
| 3.3c | Prepare for Complex Processing Operations within Processing Industries Environments  | 3 | 4 |
| 3.4k | How to Control, Maintain and Restore Complex Processing Operations within Processing Industries Environments  | 4 | 5 |
| 3.4c | Control, Maintain and Restore Complex Processing Operations within Processing Industries Environments  | 4 | 5 |
| 3.5k | How to Complete Complex Processing Operations within Processing Industries Environments  | 3 | 4 |
| 3.5c | Complete Complex Processing Operations within Processing Industries Environments  | 3 | 4 |
| 3.1k | How to Carry Out Control Room Operations within Processing Industries Environments  | 3 | 4 |
| 3.1c | Carry Out Control Room Operations within Processing Industries Environments  | 3 | 3 |
| 3.6k | How to Contribute to the Maintenance of Product Quality within Processing and Manufacturing Environments  | 4 | 5 |
| 3.6c | Contribute to the Maintenance of Product Quality within Processing and Manufacturing Environments  | 3 | 5 |
| **Optional Units Group 2 a minimum of 8 units must be achieved** *Knowledge and competence units must be taken in combination i.e. if unit 2.8k is chosen, unit 2.8c must also be completed; and vice-versa. If units 3.6k and 3.6c have already been chosen in Option Group 1, they cannot again be chosen from Option Group 2.**.* |  |
| **Unit number** | **Title**  | **Level** | **Credit** |  |
| 2.10k | How to Clean and Prepare Complex Items of Plant and Equipment for Production within Processing Industries Environments  | 2 | 3 |  |
| 2.10c | Clean and Prepare Complex Items of Plant and Equipment for Production within Processing Industries Environments  | 2 | 3 |  |
| 2.14k | How to Contribute to the Protection of the Environment within Processing Industries Environments  | 2 | 2 |  |
| 2.14c | Contribute to the Protection of the Environment within Processing Industries Environments  | 2 | 2 |  |
| 3.2k | How to Control Emergencies and Critical Situations within Processing Industries Environments  | 4 | 5 |  |
| 3.2c | Control Emergencies and Critical Situations within Processing Industries Environments  | 4 | 3 |  |
| 3.6k | How to Contribute to the Maintenance of Product Quality within Processing and Manufacturing Environments  | 4 | 5 |  |
| 3.6c | Contribute to the Maintenance of Product Quality within Processing and Manufacturing Environments  | 3 | 5 |  |
| 3.7k | How to Plan to Maintain Product Integrity within Processing Industries Environments  | 3 | 3 |  |
| 3.7c | Plan to Maintain Product Integrity within Processing Industries Environments  | 3 | 3 |  |
| 3.9k | How to Allocate Personnel to Maintain Processing within Processing Industries Environments  | 3 | 3 |  |
| 3.9c | Allocate Personnel to Maintain Processing within Processing Industries Environments  | 4 | 2 |  |
| 3.11k | How to Solve Process Problems within Processing Industries Environments  | 4 | 5 |  |
| 3.11c | Solve Process Problems within Processing Industries Environments  | 4 | 4 |  |
| 3.12k | How to Enable Individual Learning Through Coaching within Processing Industries Environments  | 3 | 2 |  |
| 3.12c | Enable Individual Learning Through Coaching within Processing Industries Environments  | 3 | 2 |  |
| 3.13k | How to Conduct an Assessment of Risks in the Workplace within Processing Industries Environments  | 3 | 4 |  |
| 3.13c | Conduct an Assessment of Risks in the Workplace within Processing Industries Environments  | 3 | 3 |  |
| 3.14k | How to Identify Improvements to Energy Efficiency within Processing Industries Environments  | 3 | 3 |  |
| 3.14c | Identify Improvements to Energy Efficiency within Processing Industries Environments  | 3 | 3 |  |
| 3.15k | How to Enable Learning Through Demonstrations and Instruction within Processing Industries Environments  | 3 | 2 |  |
| 3.15c | Enable Learning Through Demonstrations and Instruction within Processing Industries Environments  | 3 | 2 |  |
| 1.14k | How to Work Safely within Processing Industries Environments  | 2 | 2 |  |
| 1.14c | Work Safely within Processing Industries Environments  | 2 | 1 |  |
| 4.4k | How to Solve Operational Problems within Processing Industries Environments  | 4 | 5 |  |
| 4.4c | Solve Operational Problems within Processing Industries Environments  | 4 | 4 |  |
| 4.6k | How to Develop and Update Standard Operating Procedure(s) within Processing Industries Environments  | 4 | 4 |  |
| 4.6c | Develop and Update Standard Operating Procedure(s) within Processing Industries Environments  | 4 | 4 |  |

# Assessment

The qualification must be assessed using the following assessment method:

* Portfolio of Evidence

Learners are required to achieve all learning outcomes within units of assessment. All assessment is subject to internal quality assurance within approved centres providing this qualification. External quality assurance of assessment and internal quality assurance within approved centres is provided by GQA Qualifications.