



## Processing Industries Operations (QCF)

These QCF qualifications provide recognition of the skills, competence and knowledge of individuals working in processing industries operations. There are qualifications available at Levels 2 to 4 to allow for progression.

Document detail:

### Level 2 NVQ Diploma in Processing Industries Operations (QCF)

- Process Operations Pathway - 41 Credits
- Process Support Services Pathway - 43 Credits
- Control Operations Pathway - 45 Credits

### Level 3 NVQ Diploma in Processing Industries Operations (QCF)

- Controlling Process Operations Pathway - 54 Credits
- Technical Support Pathway - 48 Credits

### Level 4 NVQ Diploma in Processing Industries Operations (QCF)

- Technical Support Pathway - 66 Credits

Who are the Qualifications for:

These qualifications provide recognition of the skills and knowledge of individuals working in a processing environment in the chemical, pharmaceutical, petrochemical and nuclear environments at Levels 2, 3 and 4. The Level 4 qualification provides accreditation for individuals working at management and supervisory levels.

NVQ Diploma in Processing Industries Operations (QCF)	Level 2 500/7759/4
Last Registration Date	30 <sup>th</sup> September 2014
Last Certification Date	30 <sup>th</sup> September 2016

There are three Pathways within this qualification:

- For the Process Operations Pathway: 18 Units totalling a minimum of 41 Credits are required.
- For the Process Support Services Pathway: 18 Units totalling a minimum of 43 Credits are required.
- For the Control Operations Process Pathway: 18 Units totalling a minimum of 45 Credits are required.

For each Pathway candidates must complete all Mandatory Units, 6 Units from Option Group 1 and 4 Units from Option Group 2. Knowledge and competence units must be taken in combination i.e. if unit CPPO 2.10k is chosen, unit CPPO 2.10c must also be completed; and vice-versa.

If units PIO 2.13k and PIO 2.13c have already been chosen in Option Group 1, they cannot be chosen from Option Group 2.

### Mandatory Units

PIO 1.11c	Respond to Incidents, Hazardous Conditions and Emergencies Within Processing Industries Environments - 3 Credits
PIO 1.11k	How to Respond to Incidents, Hazardous Conditions and Emergencies Within Processing Industries Environments - 4 Credits
PIO 1.12c	Handover Within Processing Industries Environments - 2 Credits
PIO 1.12k	How to Handover Within Processing Industries Environments - 2 Credits
PIO 1.13c	Work Effectively in a Team Within Processing Industries Environments - 2 Credits
PIO 1.13k	How to Work Effectively in a Team Within Processing Industries Environments - 3 Credits
PIO 2.15c	Identify and Deal with Hazards in the Work Environment Within Processing Industries Environments - 2 Credits
PIO 2.15k	How to Identify and Deal with Hazards in the Work Environment Within Processing Industries Environments - 2 Credits

### Process Operations - Option Group 1

*Candidates must achieve a minimum of 6 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 2.13k is chosen, unit PIO 2.13c must also be completed; and vice-versa.*

*Credit Value required: Minimum 13.*

CPPO 2.5c	Prepare for Processing Within Processing Industries Environments - 2 Credits
CPPO 2.5k	How to Prepare for Processing Within Processing Industries Environments - 2 Credits
CPPO 2.6c	Control, Monitor and Adjust the Processing Operation Within Processing Industries Environments - 3 Credits
CPPO 2.6k	How to Control, Monitor and Adjust the Processing Operation Within Processing Industries Environments - 3 Credits
CPPO 2.7c	Complete Processing Operation Within Processing Industries Environments - 2 Credits
CPPO 2.7k	How to Complete Processing Operation Within Processing Industries Environments - 2 Credits
PIO 2.13c	Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 2 Credits
PIO 2.13k	How to Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 3 Credits

### Process Operations - Option Group 2

*Candidates must achieve a minimum of 4 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 2.13k is chosen, unit PIO 2.13c must also be completed; and vice-versa.*

*Credit Value required: Minimum 8.*

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- CPPO 2.10c Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.10k How to Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.16c Maintain the Condition of Engineering Assets Within Processing Industries Environments - 3 Credits
  - CPPO 2.16k How to Maintain the Condition of Engineering Assets Within Processing Industries Environments - 3 Credits
  - CPPO 2.1c Transfer Materials Into and Between Stages of Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.1k How to Transfer Materials Into and Between Stages of Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.8c Sample and Test Materials Within Processing Industries Environments - 3 Credits
  - CPPO 2.8k How to Sample and Test Materials Within Processing Industries Environments - 3 Credits
  - PIO 1.8c Work in Aseptic or Clean Room Conditions Within Processing Industries Environments - 2 Credits
  - PIO 1.8k How to Work in Aseptic or Clean Room Conditions Within Processing Industries Environments - 3 Credits
  - PIO 2.11c Start the Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.11k How to Start the Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.12c End Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.12k How to End Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.13c Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 2 Credits
  - PIO 2.13k How to Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 3 Credits
  - PIO 2.14c Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
  - PIO 2.14k How to Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
  - PIO 2.9c Separate and Dispose of Processing Materials, By-Products and Wastes Within Processing and Manufacturing Environments - 2 Credits
  - PIO 2.9k How to Separate and Dispose of Processing Materials, By-Products and Wastes Within Processing and Manufacturing Environments - 2 Credits
  - PIO 3.15c Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
  - PIO 3.15k How to Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
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### Process Support Services - Option Group 1

*Candidates must achieve a minimum of 6 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 2.13k is chosen, unit PIO 2.13c must also be completed; and vice-versa.  
Credit Value required: Minimum 15.*

- CPPO 1.3c Prepare Process Materials According to Instructions Within Processing Industries Environments - 2 Credits
  - CPPO 1.3k How to Prepare Process Materials According to Instructions Within Processing Industries Environments - 2 Credits
  - CPPO 2.10c Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.10k How to Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.1c Transfer Materials Into and Between Stages of Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.1k How to Transfer Materials Into and Between Stages of Production Within Processing Industries Environments - 3 Credits
  - PIO 2.13c Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 2 Credits
  - PIO 2.13k How to Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 3 Credits
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## Process Support Services - Option Group 2

*Candidates must achieve a minimum of 4 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 2.13k is chosen, unit PIO 2.13c must also be completed; and vice-versa.  
Credit Value required: Minimum 8.*

- CPPO 2.16c Maintain the Condition of Engineering Assets Within Processing Industries Environments - 3 Credits
- CPPO 2.16k How to Maintain the Condition of Engineering Assets Within Processing Industries Environments - 3 Credits
- CPPO 2.8c Sample and Test Materials Within Processing Industries Environments - 3 Credits
- CPPO 2.8k How to Sample and Test Materials Within Processing Industries Environments - 3 Credits
- PIO 1.8c Work in Aseptic or Clean Room Conditions Within Processing Industries Environments - 2 Credits
- PIO 1.8k How to Work in Aseptic or Clean Room Conditions Within Processing Industries Environments - 3 Credits
- PIO 2.11c Start the Packaging Operations Within Processing Industries Environments - 2 Credits
- PIO 2.11k How to Start the Packaging Operations Within Processing Industries Environments - 2 Credits
- PIO 2.12c End Packaging Operations Within Processing Industries Environments - 2 Credits
- PIO 2.12k How to End Packaging Operations Within Processing Industries Environments - 2 Credits
- PIO 2.13c Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 2 Credits
- PIO 2.13k How to Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 3 Credits
- PIO 2.14c Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 2.14k How to Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 2.9c Separate and Dispose of Processing Materials, By-Products and Wastes Within Processing and Manufacturing Environments - 2 Credits
- PIO 2.9k How to Separate and Dispose of Processing Materials, By-Products and Wastes Within Processing and Manufacturing Environments - 2 Credits
- PIO 3.15c Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.15k How to Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits

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## Control Operations Process - Option Group 1

*Candidates must achieve a minimum of 6 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 2.13k is chosen, unit PIO 2.13c must also be completed; and vice-versa.  
Credit Value required: Minimum 17.*

- PIO 2.13c Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 2 Credits
- PIO 2.13k How to Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 3 Credits
- PIO 2.2c Prepare Integrated Process Systems for Remote Control Operation Within Processing Industries Environments - 2 Credits
- PIO 2.2k How to Prepare Integrated Process Systems for Remote Control Operation Within Processing Industries Environments - 4 Credits
- PIO 2.3c Remotely Control Integrated Process Systems Within Processing Industries Environments - 3 Credits
- PIO 2.3k How to Remotely Control Integrated Process Systems Within Processing Industries Environments - 4 Credits
- PIO 2.4c Prepare Integrated Process Systems for Remote Shutdown Within Processing Industries Environments - 2 Credits
- PIO 2.4k How to Prepare Integrated Process Systems for Remote Shutdown Within Processing Industries Environments - 4 Credits

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## Control Operations Process - Option Group 2

*Candidates must achieve a minimum of 4 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 2.13k is chosen, unit PIO 2.13c must also be completed; and vice-versa.*

*Credit Value required: Minimum 8.*

- CPPO 2.10c Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.10k How to Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
  - CPPO 2.16c Maintain the Condition of Engineering Assets Within Processing Industries Environments - 3 Credits
  - CPPO 2.16k How to Maintain the Condition of Engineering Assets Within Processing Industries Environments - 3 Credits
  - CPPO 2.8c Sample and Test Materials Within Processing Industries Environments - 3 Credits
  - CPPO 2.8k How to Sample and Test Materials Within Processing Industries Environments - 3 Credits
  - PIO 1.8c Work in Aseptic or Clean Room Conditions Within Processing Industries Environments - 2 Credits
  - PIO 1.8k How to Work in Aseptic or Clean Room Conditions Within Processing Industries Environments - 3 Credits
  - PIO 2.11c Start the Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.11k How to Start the Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.12c End Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.12k How to End Packaging Operations Within Processing Industries Environments - 2 Credits
  - PIO 2.13c Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 2 Credits
  - PIO 2.13k How to Contribute to the Improvement of Routine Working Practices Within Processing and Manufacturing Environments - 3 Credits
  - PIO 2.14c Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
  - PIO 2.14k How to Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
  - PIO 2.9c Separate and Dispose of Processing Materials, By-Products and Wastes Within Processing and Manufacturing Environments - 2 Credits
  - PIO 2.9k How to Separate and Dispose of Processing Materials, By-Products and Wastes Within Processing and Manufacturing Environments - 2 Credits
  - PIO 3.15c Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
  - PIO 3.15k How to Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
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NVQ Diploma in Processing Industries Operations (QCF)	Level 3 500/7802/1
Last Registration Date	30 <sup>th</sup> September 2014
Last Certification Date	30 <sup>th</sup> September 2017

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There are two Pathways within this qualification:

- For the Controlling Process Operations Pathway: 20 Units totalling a minimum of 54 Credits are required.
- For the Technical Support Pathway: 20 Units totalling a minimum of 48 Credits are required.

For the Controlling Process Operations Pathway candidates must achieve 54 Credits by completing all 6 Mandatory Units, 6 Units from Option Group 1 and 8 Units from Option Group 2. If units 3.6k and 3.6c have already been chosen in Option Group 1, they cannot again be chosen from Option Group 2. Knowledge and competence units must be taken in combination i.e. if unit CPPO 2.10k is chosen, unit CPPO 2.10c must also be completed; and vice-versa.

For the Technical Support Pathway candidates must achieve 48 Credits by completing all 6 Mandatory Units, 6 Units from Option Group 1 and 8 Units from Option Group 2. If units 2.10c and 2.10k and/or 3.7c and 3.7k have been chosen in Option Group 1, they cannot again be chosen in Option Group 2. Knowledge and competence units must be taken in combination i.e. if unit CPPO 2.10k is chosen, unit CPPO 2.10c must also be completed; and vice-versa.

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#### Mandatory Units

- PIO 1.12c Handover Within Processing Industries Environments - 2 Credits
  - PIO 1.12k How to Handover Within Processing Industries Environments - 2 Credits
  - PIO 1.13c Work Effectively in a Team Within Processing Industries Environments - 2 Credits
  - PIO 1.13k How to Work Effectively in a Team Within Processing Industries Environments - 3 Credits
  - PIO 3.10c Carry Out Emergency Procedures Within Processing Industries Environments - 2 Credits
  - PIO 3.10k How to Carry Out Emergency Procedures Within Processing Industries Environments - 3 Credits
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#### Controlling Process Operations - Option Group 1

*Candidates must achieve a minimum of 6 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 3.1k is chosen, unit PIO 3.1c must also be completed; and vice-versa.  
Credit Value required: Minimum 23.*

- CPPO 3.3c Prepare for Complex Processing Operations Within Processing Industries Environments - 4 Credits
- CPPO 3.3k How to Prepare for Complex Processing Operations Within Processing Industries Environments - 4 Credits
- CPPO 3.4c Control, Maintain and Restore Complex Processing Operations Within Processing Industries Environments - 5 Credits
- CPPO 3.4k How to Control, Maintain and Restore Complex Processing Operations Within Processing Industries Environments - 5 Credits
- CPPO 3.5c Complete Complex Processing Operations Within Processing Industries Environments - 4 Credits
- CPPO 3.5k How to Complete Complex Processing Operations Within Processing Industries Environments - 4 Credits
- PIO 3.1c Carry Out Control Room Operations Within Processing Industries Environments - 3 Credits
- PIO 3.1k How to Carry Out Control Room Operations Within Processing Industries Environments - 4 Credits
- PIO 3.6c Contribute to the Maintenance of Product Quality Within Processing and Manufacturing Environments - 5 Credits
- PIO 3.6k How to Contribute to the Maintenance of Product Quality Within Processing and Manufacturing Environments - 5 Credits

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## Controlling Process Operations - Option Group 2

*Candidates must achieve a minimum of 8 units from this Option Group. If units 3.6k and 3.6c have already been chosen in Option Group 1, they cannot again be chosen from Option Group 2. Knowledge and competence units must be taken in combination i.e. if unit CPPO 2.10k is chosen, unit CPPO 2.10c must also be completed; and vice-versa. Credit Value required: Minimum 17.*

- CPPO 2.10c Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
- CPPO 2.10k How to Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
- PIO 2.14c Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 2.14k How to Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 3.11c Solve Process Problems Within Processing Industries Environments - 4 Credits
- PIO 3.11k How to Solve Process Problems Within Processing Industries Environments - 5 Credits
- PIO 3.12c Enable Individual Learning Through Coaching Within Processing Industries Environments - 2 Credits
- PIO 3.12k How to Enable Individual Learning Through Coaching Within Processing Industries Environments - 2 Credits
- PIO 3.13c Conduct an Assessment of Risks in the Workplace Within Processing Industries Environments - 3 Credits
- PIO 3.13k How to Conduct an Assessment of Risks in the Workplace Within Processing Industries Environments - 4 Credits
- PIO 3.14c Identify Improvements to Energy Efficiency Within Processing Industries Environments - 3 Credits
- PIO 3.14k How to Identify Improvements to Energy Efficiency Within Processing Industries Environments - 3 Credits
- PIO 3.15c Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.15k How to Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.2c Control Emergencies and Critical Situations Within Processing Industries Environments - 3 Credits
- PIO 3.2k How to Control Emergencies and Critical Situations Within Processing Industries Environments - 5 Credits
- PIO 3.6c Contribute to the Maintenance of Product Quality Within Processing and Manufacturing Environments - 5 Credits
- PIO 3.6k How to Contribute to the Maintenance of Product Quality Within Processing and Manufacturing Environments - 5 Credits
- PIO 3.7c Plan to Maintain Product Integrity Within Processing Industries Environments - 3 Credits
- PIO 3.7k How to Plan to Maintain Product Integrity Within Processing Industries Environments - 3 Credits
- PIO 3.9c Allocate Personnel to Maintain Processing Within Processing Industries Environments - 2 Credits
- PIO 3.9k How to Allocate Personnel to Maintain Processing Within Processing Industries Environments - 3 Credits

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## Technical Support - Option Group 1

*Candidates must achieve a minimum of 6 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit CPPO 2.10k is chosen, unit CPPO 2.10c must also be completed; and vice-versa. Credit Value required: Minimum 17.*

- CPPO 2.10c Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
- CPPO 2.10k How to Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
- PIO 3.11c Solve Process Problems Within Processing Industries Environments - 4 Credits
- PIO 3.11k How to Solve Process Problems Within Processing Industries Environments - 5 Credits
- PIO 3.7c Plan to Maintain Product Integrity Within Processing Industries Environments - 3 Credits
- PIO 3.7k How to Plan to Maintain Product Integrity Within Processing Industries Environments - 3 Credits
- PIO 3.8c Contribute to Standard Operating Procedures Within Processing Industries Environments - 2 Credits
- PIO 3.8k How to Contribute to Standard Operating Procedures Within Processing Industries Environments - 3 Credits

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## Technical Support - Option Group 2

*Candidates must achieve a minimum of 8 units from this Option Group. If units 2.10c and 2.10k and/or 3.7c and 3.7k have been chosen in Option Group 1, they cannot again be chosen in Option Group 2. Knowledge and competence units must be taken in combination i.e. if unit CPPO 2.10k is chosen, unit CPPO 2.10c must also be completed; and vice-versa. Credit Value required: Minimum 17.*

- CPPO 2.10c Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
- CPPO 2.10k How to Clean and Prepare Complex Items of Plant and Equipment for Production Within Processing Industries Environments - 3 Credits
- PIO 2.14c Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 2.14k How to Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 3.12c Enable Individual Learning Through Coaching Within Processing Industries Environments - 2 Credits
- PIO 3.12k How to Enable Individual Learning Through Coaching Within Processing Industries Environments - 2 Credits
- PIO 3.13c Conduct an Assessment of Risks in the Workplace Within Processing Industries Environments - 3 Credits
- PIO 3.13k How to Conduct an Assessment of Risks in the Workplace Within Processing Industries Environments - 4 Credits
- PIO 3.14c Identify Improvements to Energy Efficiency Within Processing Industries Environments - 3 Credits
- PIO 3.14k How to Identify Improvements to Energy Efficiency Within Processing Industries Environments - 3 Credits
- PIO 3.15c Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.15k How to Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.2c Control Emergencies and Critical Situations Within Processing Industries Environments - 3 Credits
- PIO 3.2k How to Control Emergencies and Critical Situations Within Processing Industries Environments - 5 Credits
- PIO 3.6c Contribute to the Maintenance of Product Quality Within Processing and Manufacturing Environments - 5 Credits
- PIO 3.6k How to Contribute to the Maintenance of Product Quality Within Processing and Manufacturing Environments - 5 Credits
- PIO 3.7c Plan to Maintain Product Integrity Within Processing Industries Environments - 3 Credits
- PIO 3.7k How to Plan to Maintain Product Integrity Within Processing Industries Environments - 3 Credits
- PIO 3.9c Allocate Personnel to Maintain Processing Within Processing Industries Environments - 2 Credits
- PIO 3.9k How to Allocate Personnel to Maintain Processing Within Processing Industries Environments - 3 Credits

NVQ Diploma in Processing Industries Operations (QCF)	Level 4	66 Credits
	500/7760/0	
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For the Technical Support Pathway: 22 Units totalling a minimum of 66 Credits are required.

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#### Mandatory Units

- PIO 1.12c Handover Within Processing Industries Environments - 2 Credits
  - PIO 1.12k How to Handover Within Processing Industries Environments - 2 Credits
  - PIO 1.13c Work Effectively in a Team Within Processing Industries Environments - 2 Credits
  - PIO 1.13k How to Work Effectively in a Team Within Processing Industries Environments - 3 Credits
  - PIO 3.10c Carry Out Emergency Procedures Within Processing Industries Environments - 2 Credits
  - PIO 3.10k How to Carry Out Emergency Procedures Within Processing Industries Environments - 3 Credits
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#### Technical Support - Option Group 1

*Candidates must achieve all units from this Group.  
Credit Value required: Minimum 24.*

- PIO 4.1c Develop and Monitor Plans and Procedures Within Processing Industries Environments - 3 Credits
- PIO 4.1k How to Develop and Monitor Plans and Procedures Within Processing Industries Environments - 3 Credits
- PIO 4.4c Solve Operational Problems Within Processing Industries Environments - 4 Credits
- PIO 4.4k How to Solve Operational Problems Within Processing Industries Environments - 5 Credits
- PIO 4.5c Provide Technical Guidance and Support to Others Within Processing Industries Environments - 5 Credits
- PIO 4.5k How to Provide Technical Guidance and Support to Others Within Processing Industries Environments - 4 Credits

#### Technical Support - Option Group 2

*Candidates must achieve a minimum of 10 units from this Option Group. Knowledge and competence units must be taken in combination i.e. if unit PIO 3.2k is chosen, unit PIO 3.2c must also be completed; and vice-versa.*

- PIO 2.14c Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 2.14k How to Contribute to the Protection of the Environment Within Processing Industries Environments - 2 Credits
- PIO 3.11c Solve Process Problems Within Processing Industries Environments - 4 Credits
- PIO 3.11k How to Solve Process Problems Within Processing Industries Environments - 5 Credits
- PIO 3.13c Conduct an Assessment of Risks in the Workplace Within Processing Industries Environments - 3 Credits
- PIO 3.13k How to Conduct an Assessment of Risks in the Workplace Within Processing Industries Environments - 4 Credits
- PIO 3.15c Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.15k How to Enable Learning Through Demonstrations and Instruction Within Processing Industries Environments - 2 Credits
- PIO 3.2c Control Emergencies and Critical Situations Within Processing Industries Environments - 3 Credits
- PIO 3.2k How to Control Emergencies and Critical Situations Within Processing Industries Environments - 5 Credits
- PIO 3.9c Allocate Personnel to Maintain Processing Within Processing Industries Environments - 2 Credits
- PIO 3.9k How to Allocate Personnel to Maintain Processing Within Processing Industries Environments - 3 Credits

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- PIO 4.10c Manage Continuous Quality Improvement Within Processing Industries Environments - 5 Credits
  - PIO 4.10k How to Manage Continuous Quality Improvement Within Processing Industries Environments - 5 Credits
  - PIO 4.11c Implement Quality Assurance Systems Within Processing Industries Environments - 6 Credits
  - PIO 4.11k How to Implement Quality Assurance Systems Within Processing Industries Environments - 6 Credits
  - PIO 4.12c Provide Advice and Support for the Development and Implementation of Quality Systems Within Processing Industries Environments - 7 Credits
  - PIO 4.12k How to Provide Advice and Support for the Development and Implementation of Quality Systems Within Processing Industries Environments - 7 Credits
  - PIO 4.2c Contribute to the Commissioning and Optimisation of New or Modified Plant, Equipment and Processes Within Processing Industries Environments - 5 Credits
  - PIO 4.2k How to Contribute to the Commissioning and Optimisation of New or Modified Plant, Equipment and Processes Within Processing Industries Environments - 5 Credits
  - PIO 4.6c Develop and Update Standard Operating Procedure(s) Within Processing Industries Environments - 4 Credits
  - PIO 4.6k How to Develop and Update Standard Operating Procedure(s) Within Processing Industries Environments - 4 Credits
  - PIO 4.7c Identify the Scope for Improvement in the Way the Organisation Manages Energy Within Processing Industries Environments - 5 Credits
  - PIO 4.7k How to Identify the Scope for Improvement in the Way the Organisation Manages Energy Within Processing Industries Environments - 5 Credits
  - PIO 4.8c Provide Advice on the Development and Implementation of Energy Policies Within Processing Industries Environments - 6 Credits
  - PIO 4.8k How to Provide Advice on the Development and Implementation of Energy Policies Within Processing Industries Environments - 6 Credits
  - PIO 4.9c Monitor and Evaluate Energy Efficiency Within Processing Industries Environments - 5 Credits
  - PIO 4.9k How to Monitor and Evaluate Energy Efficiency Within Processing Industries Environments - 5 Credits
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