



ETCAL Level 2 NVQ Diploma in Processing Industries Operations
601/7191/1
Structure

Qualification aim

This qualification is aimed at Individuals who intend to follow an Apprenticeship and Advanced Modern Apprenticeship programmes, learners who wish for career progression within engineering, or learners who wish to develop the skills learnt from other qualifications. This qualification provides recognition of the skills and knowledge of individuals working in a processing environment in the chemical, pharmaceutical, petrochemical and nuclear environments.

Qualification introduction

This qualification is made up of 8 mandatory units that will help learners to develop an understanding of the available and relevant to their capabilities and aspirations. Its mandatory units form a foundation to extend the understanding and skills in specific areas through the optional routes, in addition to these learners are required to achieve additional units selected from a suite of 3 Pathways and in accordance with the achievement definition. Learners who complete the qualification will be equipped with the knowledge and skills to underpin career development within the industry.

Assessment

In order to achieve this qualification a learner must complete all units as mandatory. The assessment criteria determine the standard required to achieve each unit and allow for a variety of assessment methods to be used as appropriate to the environment the qualification is delivered in. There is no examined assessment element in this qualification.

Achievement

Learners must achieve a minimum of 41 credits (Process Operations), 43 credits (Process Support Services), or 45 credits (Control Operations Process) to gain the qualification. These credits must be achieved by completing the 8 mandatory units and the remaining credits achieved by completing the required optional units from the suite of Pathways.

Qualification Number		601/7191/1
Qualification Framework		RQF
Title		ETCAL Level 2 NVQ Diploma in Processing Industries Operations
Qualification Level		Level 2
Total Qualification Time		410 TQT
Guided Learning Hours		256 GLH
Qualification Credit Value		41/43/45 Credits
Qualification Grading Structure		Pass / Fail

Unit Title	Mandatory/Optional	GLH	TQT	Credit Value	Grading
Mandatory units: All must be completed					
How to respond to incidents, hazardous conditions and emergencies Within processing industries environments	M			4	Pass/Fail
Respond to incidents, hazardous conditions and emergencies within Processing industries environments	M			3	Pass/Fail
How to handover within processing industries environments	M			2	Pass/Fail
Handover within processing industries environments	M			2	Pass/Fail
How to work effectively in a team within processing industries Environments	M			3	Pass/Fail
Work effectively in a team within processing industries environments	M			2	Pass/Fail
How to identify and deal with hazards in the work environment within Processing industries environments	M			2	Pass/Fail
Identify and deal with hazards in the work environment within processing Industries environments	M			2	Pass/Fail
Optional Units: Process Operations Pathway (Pro Op) - Optional Unit Group 1					
How to prepare for processing within processing industries environments	O			2	Pass/Fail
Prepare for processing within processing industries environments	O			2	Pass/Fail

How to control, monitor and adjust the processing operation within Processing industries environments	○			3	Pass/Fail
Control, monitor and adjust the processing operation within processing Industries environments	○			3	Pass/Fail
How to complete the processing operation within processing industries Environments	○			2	Pass/Fail
Complete the processing operation within processing industries Environments	○			2	Pass/Fail
How to contribute to the improvement of routine working practices Within processing and manufacturing environments	○			3	Pass/Fail
Contribute to the improvement of routine working practices within Processing and manufacturing environments	○			2	Pass/Fail
Optional Units: Process Operations Pathway (Pro Op) - Optional Unit Group 2					
How to contribute to the improvement of routine working practices Within processing and manufacturing environments	○			3	Pass/Fail
Contribute to the improvement of routine working practices within Processing and manufacturing environments	○			2	Pass/Fail
How to transfer materials into and between stages of production within processing industries environments	○			3	Pass/Fail
Transfer materials into and between stages of production within Processing industries environments	○			3	Pass/Fail
How to sample and test materials within processing industries Environments	○			3	Pass/Fail
Sample and test materials within processing industries environments	○			3	Pass/Fail
How to clean and prepare complex items of plant and equipment for Production within processing industries environments	○			3	Pass/Fail
Clean and prepare complex items of plant and equipment for production within processing industries environments	○			3	Pass/Fail
How to maintain the condition of engineering assets within Processing industries environments	○			3	Pass/Fail
Maintain the condition of engineering assets within processing industries environments	○			3	Pass/Fail
How to work in aseptic or clean room conditions within processing industries environments	○			3	Pass/Fail
Work in aseptic or clean room conditions within processing industries environments	○			2	Pass/Fail

How to separate and dispose of processing materials, by-products and wastes within processing and manufacturing environments	○			2	Pass/Fail
Separate and dispose of processing materials, by-products and wastes within processing and manufacturing environments	○			2	Pass/Fail
How to start the packaging operations within processing industries environments	○			2	Pass/Fail
Start the packaging operations within processing industries environments	○			2	Pass/Fail
How to end packaging operations within processing industries Environments	○			2	Pass/Fail
End packaging operations within processing industries environments	○			2	Pass/Fail
How to contribute to the protection of the environment within processing industries environments	○			2	Pass/Fail
Contribute to the protection of the environment within processing Industries environments	○			2	Pass/Fail
How to enable learning through demonstrations and instruction within Processing industries environments	○			2	Pass/Fail
Enable learning through demonstrations and instruction within processing industries environments	○			2	Pass/Fail
Optional Units: Process Support Services Pathway (Pro SS) - Optional Unit Group 1					
How to contribute to the improvement of routine working practices Within processing and manufacturing environments	○			3	Pass/Fail
Contribute to the improvement of routine working practices within Processing and manufacturing environments	○			2	Pass/Fail
How to transfer materials into and between stages of production within processing industries environments	○			3	Pass/Fail
Transfer materials into and between stages of production within Processing industries environments	○			3	Pass/Fail
How to clean and prepare complex items of plant and equipment for Production within processing industries environments	○			3	Pass/Fail
Clean and prepare complex items of plant and equipment for production within processing industries environments	○			3	Pass/Fail
How to Prepare Process Materials According to Instructions Within processing industries environments	○			2	Pass/Fail
Prepare Process Materials According to Instructions Within Processing Industries Environments	○			2	Pass/Fail

Optional Units: Process Support Services Pathway (Pro SS) - Optional Unit Group 2					
How to contribute to the improvement of routine working practices Within processing and manufacturing environments	○			3	Pass/Fail
Contribute to the improvement of routine working practices within Processing and manufacturing environments	○			2	Pass/Fail
How to sample and test materials within processing industries Environments	○			3	Pass/Fail
Sample and test materials within processing industries environments	○			3	Pass/Fail
How to maintain the condition of engineering assets within processing industries environments	○			3	Pass/Fail
Maintain the condition of engineering assets within processing industries environments	○			3	Pass/Fail
How to work in aseptic or clean room conditions within processing Industries environments	○			3	Pass/Fail
Work in aseptic or clean room conditions within processing industries Environments	○			2	Pass/Fail
How to separate and dispose of processing materials, by-products and wastes within processing and manufacturing environments	○			2	Pass/Fail
Separate and dispose of processing materials, by-products and wastes within processing and manufacturing environments	○			2	Pass/Fail
How to start the packaging operations within processing industries Environments	○			2	Pass/Fail
Start the packaging operations within processing industries environments	○			2	Pass/Fail
How to end packaging operations within processing industries Environments	○			2	Pass/Fail
End packaging operations within processing industries environments	○			2	Pass/Fail
How to contribute to the protection of the environment within processing industries environments	○			2	Pass/Fail
Contribute to the protection of the environment within processing Industries environments	○			2	Pass/Fail
How to enable learning through demonstrations and instruction within Processing industries environments	○			2	Pass/Fail
Enable learning through demonstrations and instruction within processing industries environments	○			2	Pass/Fail

Optional Units: Con Op Optional - Optional Unit Group 1					
How to contribute to the improvement of routine working practices Within processing and manufacturing environments	O			3	Pass/Fail
Contribute to the improvement of routine working practices within Processing and manufacturing environments	O			2	Pass/Fail
How to Prepare Integrated Process Systems for Remote Control Operation within Processing Industries Environments	O			4	Pass/Fail
Prepare Integrated Process Systems for Remote Control Operation Within Processing Industries Environments	O			2	Pass/Fail
How to Remotely Control Integrated Process Systems Within Processing Industries Environments	O			4	Pass/Fail
Remotely Control Integrated Process Systems Within Processing Industries Environments	O			3	Pass/Fail
How to Prepare Integrated Process Systems for Remote Shutdown Within Processing Industries	O			4	Pass/Fail
Prepare Integrated Process Systems for Remote Shutdown Within Processing Industries	O			2	Pass/Fail
Optional Units: Con Op Optional - Optional Unit Group 2					
How to contribute to the improvement of routine working practices Within processing and manufacturing environments	O			3	Pass/Fail
Contribute to the improvement of routine working practices within Processing and manufacturing environments	O			2	Pass/Fail
How to sample and test materials within processing industries Environments	O			3	Pass/Fail
Sample and test materials within processing industries environments	O			3	Pass/Fail
How to clean and prepare complex items of plant and equipment for Production within processing industries environments	O			3	Pass/Fail
Clean and prepare complex items of plant and equipment for production within processing industries environments	O			3	Pass/Fail
How to maintain the condition of engineering assets within processing industries environments	O			3	Pass/Fail
Maintain the condition of engineering assets within processing industries environments	O			3	Pass/Fail

How to work in aseptic or clean room conditions within processing Industries environments	○			3	Pass/Fail
Work in aseptic or clean room conditions within processing industries Environments	○			2	Pass/Fail
How to separate and dispose of processing materials, by-products and wastes within processing and manufacturing environments	○			2	Pass/Fail
Separate and dispose of processing materials, by-products and wastes within processing and manufacturing environments	○			2	Pass/Fail
How to start the packaging operations within processing industries Environments	○			2	Pass/Fail
Start the packaging operations within processing industries environments	○			2	Pass/Fail
How to end packaging operations within processing industries Environments	○			2	Pass/Fail
End packaging operations within processing industries environments	○			2	Pass/Fail
How to contribute to the protection of the environment within processing industries environments	○			2	Pass/Fail
Contribute to the protection of the environment within processing Industries environments	○			2	Pass/Fail
How to enable learning through demonstrations and instruction within Processing industries environments	○			2	Pass/Fail
Enable learning through demonstrations and instruction within processing industries environments	○			2	Pass/Fail