

1. TITLE OF THE CERTIFICATE (ES)

Certificado de Profesionalidad de nivel 2 en
QUIE0208 OPERACIONES EN INSTALACIONES DE ENERGÍA Y DE SERVICIOS AUXILIARES

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Professional Certificate Level 2 in
QUIE0208 ENERGY AND AUXILIARY SERVICE INSTALLATIONS OPERATIONS
(This translation has no legal status)

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to carry out all the basic and control operations for processes relating to energy and auxiliary services that are common in chemical plants, synchronising these operations with the needs of the service recipients and controlling the operation, start-up and shutdown of the machines, equipment and installations involved, maintaining the safety, quality and environmental conditions established and being responsible for the basic maintenance of the equipment in the area of work. This general competence is divided into the following **skills units** (UC):

- Prepare energy and auxiliary service machines, equipment and installations (UC030_2).
- Operate machines, equipment and installations for the production and distribution of energy and auxiliary services (UC0321_2).
- Carry out local control in energy and auxiliary service installations (UC0322_2).
- Act in accordance with correct manufacturing, safety and environmental standards (UC0048_2).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Preparation of energy and auxiliary service machines, equipment and installations (MF030_2).
- Basic operations with machines, equipment and installations for the production and distribution of energy and auxiliary services (MF0321_2).
- Local control in energy and auxiliary service installations (MF0322_2).
- Safety and environment in the chemical plant (MF0048_2).
- Practical training at the workplace in energy and auxiliary service installations operations (MP0054)

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Analyse the operation and constructive elements of machines in energy and auxiliary service production and distribution facilities.
- Carry out simple maintenance work on machines, equipment and installations, avoiding unnecessary shutdowns in the process.
- Characterise the general operations of machines, equipment and installations for the production and distribution of energy and auxiliary services.
- Carry out under supervision procedures for the start-up and shutdown of machines, equipment and installations for the production and distribution of energy and auxiliary services.
- Apply sampling and carry out simple analyses.
- Control activities in accordance with safety regulations to prevent risks.
- Take part in the company's working processes, following the regulations and instructions established at the workplace.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THIS CERTIFICATE

The holder of this certificate may work in chemical companies in the energy and auxiliary services area. The holder may work in the basic chemical sectors (oil refining, petrochemicals, gases, inorganic chemicals, organic chemicals, fertilizers, primary plastic materials, synthetic rubber, pigments and synthetic fibres); chemical processing (paints, veneers, lacquers, adhesives, printing inks, sensitive photographic material, essential oils and aromatic substances, glues and gels for the textile and leather industry, soaps, detergents, bleaches, explosives, wax and paraffins); and in other sectors in which there are facilities where basic chemical operations are carried out, such as water, waste-water treatment plants and others. The most pertinent occupations and positions are:

- Operator in energy production facilities and auxiliary chemical plant operations.
- Industrial boiler operator.
- Oil and natural gas refinery operator, in general.
- Thermal chemical treatment facility operator, in general.
- Waste-water treatment plant operator.
- Water treatment plant operator.
- Water filtering, separation and purification plant operator.
- Electrical energy, gas and water production and distribution industry worker.
- Electrical cogeneration facility assistant.

The holder of this professional certificate has recognition of the basic level training in labour risk prevention, according to Annex IV of the Royal Decree 39/1997 of 17 of January approving the Labour Risks Prevention Act.

5. OFFICIAL BASIS OF THE CERTIFICATE

Name and status of the national/regional authority providing accreditation/recognition of the certificate

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

Level of the certificate

The Professional Certificate Level 2 of the National Repertoire of Professional Certificates corresponds to level 3 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

Access to next level of education/training

This Professional Certificate Level 2 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

Legal basis

Royal Decree 1970/2008 of 28 November, establishing four professional certificates in the professional family Chemistry, which are included in the National Repertoire of Professional Certificates. (Appendix II, Code: QUIE0208)

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	85	450
Practical training at the workplace	15	80
Total duration of training leading to the certificate		530

Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

Additional information: Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: www.sepe.es

National Europass Centre: www.sepie.es

(*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates; and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://europass.cedefop.eu.int>

Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

