

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en
ENAC0108 EFICIENCIA ENERGÉTICA DE EDIFICIOS**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in
ENAC0108 ENERGY EFFICIENCY IN BUILDINGS
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to manage the efficient use of energy, evaluating the efficiency of the energy and water systems in buildings, collaborating in the process of energy certification of buildings, determining the viability of installing solar energy systems, promoting the efficient use of energy and making proposals for improvement, with the quality required, while complying with current regulations and in conditions of safety. This general competence is divided into the following **skills units** (UC):

- Evaluate the energy efficiency of the installations in buildings (UC1194_3).
- Collaborate on the process of the energy certification of buildings (UC1195_3).
- Manage efficient use of water in buildings (UC1196_3).
- Determine the viability of installing solar energy systems (UC0842_3).
- Promote the efficient use of energy (UC1197_3).

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

- Evaluation of the energy efficiency of the installations in buildings (MF1194_3).
- Energy certification of buildings (MF1195_3).
- Efficient use of water in buildings (MF1196_3).
- Viability studies of solar installations (MF0842_3).
- Promotion of the efficient use of energy in buildings (MF1197_3).
- Practical training at the workplace in Energy efficiency in buildings (MP0122)

(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:

- Calculate the energy efficiency of cold and hot generators, ventilators, circulators and piping networks and distribution conduits of thermal systems, through an analysis of its installation and operation, in accordance with current law.
- Apply established methodology to the process of obtaining energy classification for buildings, for a building of residential use in accordance with the plans and corresponding technical documentation, in which there is demand for electrical and thermal energy for sanitary hot water and heating.
- Take part in the company's working processes, following the rules 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 companies dedicated to viability studies, promotion, implementation and maintenance of energy systems in buildings, as well as energy audits and certifications. The work may be in the energy sector, in productive activities involving development, assembly, operation and maintenance of energy supply systems for residential and non-residential buildings (administrative, commercial, teaching, health and others), and companies specialized in energy audits, supervisory bodies, architectural studios, engineering companies and building developers.

The most pertinent occupations and positions are:

- Energy manager.
- Promoter of energy efficiency programmes.
- Assistant for energy certification processes in buildings.
- Technician for energy efficiency in buildings.

The holder of this Certificate has received the training that fulfills the skills requirements for obtaining the heating installations in buildings license according the regulation established in the Royal Decree 1027/2007 of 20 of July with the Regulation on heating installations in buildings (Spanish acronym RITE). 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 3 of the National Repertoire of Professional Certificates corresponds to level 4 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 3 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 643/2011 of 9 May, establishing four professional certificates in the professional family Energy and Water, which are included in the National Repertoire of Professional Certificates.
(Appendix III, Code: ENAC0108)

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	87	800
Practical training at the workplace	13	120
Total duration of training leading to the certificate		920

Entry/access requirements:

- *Bachiller* Diploma (upper secondary education); or
- Professional Certificate Level 2 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.oapee.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

