

1. TITLE OF THE CERTIFICATE (ES)

Certificado de Profesionalidad de nivel 1 en
ELEQ0111 OPERACIONES AUXILIARES DE MONTAJE Y MANTENIMIENTO DE EQUIPOS ELÉCTRICOS Y ELECTRÓNICOS

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Professional Certificate Level 1 in
ELEQ0111 AUXILIARY OPERATIONS OF INSTALLATION AND MAINTENANCE OF ELECTRICAL AND ELECTRONIC EQUIPMENT
 (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 auxiliary operations in the installation and maintenance of electrical and electronic equipments, following the given instructions, applying the techniques and procedures required in each case, achieving quality standards, satisfying the occupational risks and environmental risks prevention plans of the company and the current regulation. This general competence is specified in the following **competency units** (UC):

- Perform assembly operations in the installation of electrical and electronic equipments (UC1559_1).
- Perform connecting operations in the installation of electrical and electronic equipments (UC1560_1).
- Perform auxiliary operations in the maintenance of electrical and electronic equipments (UC1561_1).

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

- Assembly operations in the installation of electrical and electronic equipments (MF1559_1).
- Connecting operations in the installation of electrical and electronic equipments (MF1560_1).
- Auxiliary operations in the maintenance of electrical and electronic equipments (MF1561_1).
- Practical training at the workplace in auxiliary operations of installation and maintenance of electrical and electronic equipment (MP0417).

(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 that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Apply assembly of electronic components techniques on a printed circuit board, from sketches and installation guides, under the conditions established quality and safety.
- Apply wiring and connecting techniques in electrical and electronic equipment from system diagrams and installation guides under the established conditions of quality and security.
- Apply assembly and disassembly techniques of electrical and electronic equipments, from system diagrams and installation guides under the established conditions of quality and safety.
- Apply substitution of electronic elements techniques in electrical equipment under the established conditions of quality and safety.
- Participate in the working processes of the company, 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 the manufacture, assembly and maintenance of electrical and electronic equipment, depending functionally and hierarchically from a superior. The most relevant occupations and work positions are:

- Assembly operator of electrical and electronic equipments.
- Assembler of elements in printed circuit plates.
- Maintenance assistant of electrical and electronic equipments.
- Tester/adjuster of plates and electrical and electronic equipment.

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 1 of the National Repertoire of Professional Certificates corresponds to level 2 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 1 gives access to Professional Certificate Level 2 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 1077/2012, of July 13th, by which five professional certificates of the professional family "Electricity and electronics" included in the National Repertoire of professional certificates are established. (Appendix I, Code: ELEQ0111).

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	80	310
Practical training at the workplace	20	80
Total duration of training leading to the certificate		390

Entry/access requirements:

- No entry requirements

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

