

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en
ELEQ0208 GESTIÓN Y SUPERVISIÓN DE LA INSTALACIÓN Y MANTENIMIENTO DE SISTEMAS DE ELECTROMEDICINA**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in
ELEQ0208 MANAGEMENT AND SUPERVISION OF INSTALLATION AND MAINTENANCE OF ELECTROMEDICINE SYSTEMS
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to plan, manage and supervise installation and maintenance of non-implantable active medical devices -PSANI- in electromedicine systems and related installations, following quality criteria, under safety conditions and in compliance with applicable legislation. This general competence is divided into the following **skills units** (UC):

- Plan and manage installation of electromedicine systems and related installations (UC1271_2).
- Supervise and conduct installation of electromedicine systems and related installations (UC1272_2).
- Plan and manage maintenance of electromedicine systems and related installations (UC1273_2).
- Supervise and conduct maintenance of electromedicine systems and related installations (UC1274_2).

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

- Planning and management of installation of electromedicine systems and related installations (MF1271_2).
- Supervision and undertaking of installation of electromedicine systems and related installations (MF1272_2).
- Planning and management of maintenance of electromedicine systems and related installations (MF1273_2).
- Supervision and undertaking of maintenance of electromedicine systems and related installations (MF1274_2).
- Practical training at the workplace in management and supervision of installation and maintenance of electromedicine systems (MP0119).

(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:

- Plan and manage installation of electromedicine systems and related installations.
- Supervise installation of electromedicine systems and related installations.
- Plan maintenance of electromedicine systems and related installations.
- Supervise maintenance of electromedicine systems and related installations.
- 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 healthcare centres, at the electromedicine services, and for manufacturers, distributors or providers of electromedicine services, in the technical support or customer service departments. The holder may also work repairing electronic and optical equipment, specifically in installation and maintenance of non-implantable active medical devices. The most pertinent occupations and positions are:

- Team Manager of electromedicine system installers.
- Coordinator and supervisor of electromedicine system maintenance.
- Electromedical applications specialist.
- Electromedicine system product specialist.
- Technical Adviser on electromedicine systems.

Necessary requirements for professional practice:

Personnel handling radioactive material or equipment at a facility must have, as indicated in Art. 55 of RD 1836/99, an operator's licence granted by the Nuclear Safety Council.

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 683/2011 of 13 May, establishing six professional certificates in the professional family Electricity and Electronics, which are included in the National Repertoire of Professional Certificates, and updating the professional certificates established in Royal Decree 1214/2009 of 17 July. (Appendix VI Code: ELEQ0208)

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	89	620
Practical training at the workplace	11	80
Total duration of training leading to the certificate		700

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

