

1. TITLE OF THE CERTIFICATE (ES)

Certificado de Profesionalidad de nivel 3 en
ARTR0112 RESTAURACIÓN Y REPARACIÓN DE RELOJES DE ÉPOCA, HISTÓRICOS Y AUTÓMATAS

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

Professional Certificate Level 3 in
ARTR0112 RESTORATION AND REPAIR OF VINTAGE, HISTORICAL AND AUTOMATON WATCHES
(This translation has no legal status)

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to repair, replace and restore vintage, historical and automaton watches and clocks fine mechanisms, ensuring their precise functioning and the clock's originality and following occupational risk prevention and environmental protection measures. This general competence is divided into the following **skill units** (UC):

- Repair watches and clocks finest mechanisms (UC2130_3).
- Restore mechanisms of vintage, historical and automaton watches and clocks (UC2131_3).

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

- Reparation of watch and clocks finest mechanisms (MF2130_3).
- Restoration of mechanisms of vintage clocks, historical clocks and automatons (MF2131_3).
- Practical training at the workplace in restoration and repair of vintage, historical and automaton watches (MPO510).

(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:

- Participate in the reception and faults diagnose of the performance of watches and clocks mechanisms, understanding technical information, defining possible interventions in the clock case and its elements, developing and completing reception sheets and estimating the cost (budget).
- Identify and apply repair operations (manufacture, replacement, assemble, cleaning and time precision) of watches and clocks finest mechanism, writing them down in a worksheet.
- Apply reception and faults diagnose techniques to vintage, historical and automaton watches and clocks, through observation, describe the technical, temporal and historic-artistic characteristics, estimate the state of the force units, the transmission elements, escapements and oscillating systems, striking and chiming mechanism and the faults of the centers, wheels and pinions, and fill the templates of deposit and data records on restoration works.
- Determine the restoration operations for vintage, historical and automaton watches and clocks, after their removal, cutting and disassembly, specifying cleanup tasks, restoration or reproduction and replacement of parts to develop on external mechanisms and machinery, following the restoration planning and recording.
- Apply cleaning, recovery or reproduction, replacement of machinery, assembly of machinery, internal and external elements of vintage, historical and automaton watches and clocks, fulfilling a worksheet of the restoration, dimensions, materials, equipment used and ensuring quality and compliance of occupational risk prevention and environmental protection criteria.
- 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 the field of crafts related to traditional watchmaking; watchmaking; wholesale trade of clocks and jewelry; retail trade of clocks and jewelry in specialized stores and clocks repairshops.

The most relevant occupations and work positions are:

- Watch and clock's shops and jewellery sale employees
- Clock maker
- Repairer of external elements of watch and clocks mechanisms.
- Assembler of units of watch and clock mechanisms and vintage, historical and automaton clocks.
- Seller and commercial trader of fine mechanical watches and vintage, historical and automatons clocks.
- Qualified craftsworker of fine mechanical clocks and vintage, historical and automaton watches and clocks manufacture.
- Repairer of clock.
- Watchmaker and repairer of fine mechanical clocks and vintage, historical and automaton clocks.

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 985/2013 of December 13th, by which ten professional certificates of the professional family "Arts and crafts", included in the National Repertoire of professional certificates are established, and the professional certificates established as Appendix II and III of Royal Decree 613/2013, of August 2nd are updated. (Appendix VIII, Code: ARTRO112)

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	84	630
Practical training at the workplace	16	120
Total duration of training leading to the certificate		750

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.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

