

1. TITLE OF THE CERTIFICATE (ES)

**Certificado de Profesionalidad de nivel 3 en
IFCT0310 ADMINISTRACIÓN DE BASES DE DATOS**

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)

**Professional Certificate Level 3 in
IFCT0310 DATABASE ADMINISTRATION
(This translation has no legal status)**

3. PROFILE OF SKILLS AND COMPETENCES

The holder of this certificate will have acquired the **general competence** to administer a database system, interpreting a design and structure and adapting the model to the requirements of the database management system (DBMS) requirements as well as its configuration and administration at the physical and logical level, in order to ensure the integrity, accessibility and confidentiality of the stored information. This general competence is divided into the following **skills units** (UC):

- Configure and use computer systems (UC0223_3).
- Configure and manage a database management system (UC0224_3).
- Configure and manage the database (UC0225_3).

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

- Operating systems and computer applications (MF0223_3).
- Administration of database management systems (MF0224_3).
- Database management (MF0225_3).
- Practical training at the workplace in Database administration (MP0313)

(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:

- Provide technical support in the tasks of administering the database system and its environment.
- Analyse the suitability of the database administration practices.
- Distinguish and analyse the configuration variables of an operating system, specifying their effect on the behaviour of the system.
- Recognise and describe encoding and nomenclature of computing elements in accordance with the most standard criteria.
- Distinguish the different types of storage used in the multi-user operating systems, indicating their structure, characteristics and operating modes, with respect to the characterisation of storage systems.
- 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 productive sectors where there are companies that carry out the following activities: software development; outsourcing of computer services; technical consultation in computer systems; and in general, companies or organisations that use computer systems for their administration. The most pertinent occupations and positions are:

- Database administrator.
- Data mining technician.
- Organization analyst.

5. OFFICIAL BASIS OF THE CERTIFICATE		
<p style="text-align: center;">Name and status of the national/regional authority providing accreditation/recognition of the certificate</p> <p>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.</p>		
<p style="text-align: center;">Level of the certificate</p> <p>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).</p> <p>The European Qualification Framework (EQF) level:</p>		
<p style="text-align: center;">Grading scale/Pass requirements</p> <p>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.</p> <p>The grading system is as follows:</p> <ul style="list-style-type: none"> - FAIL: 0 to 4.9 - PASS-SATISFACTORY: 5 to 6.9 - PASS-GOOD: 7 to 8.9 - PASS-EXCELLENT: 9 to 10 		
<p style="text-align: center;">Access to next level of education/training</p> <p>This Professional Certificate Level 3 gives access to Professional Certificate Level 3 within the same professional area and family.</p> <p>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.</p>		
<p style="text-align: center;">Legal basis</p> <p>Royal Decree 1531/2011 of 31 October, establishing twelve professional certificates in the professional family Information and Communications Technology, which are included in the National Repertoire of Professional Certificates. (Appendix VI, Code: IFCT0310)</p> <p>Amended by Royal Decree 628/2013 of 2 August, establishing four professional certificates in the professional family Information and Communications Technology, which are included in the National Repertoire of Professional Certificates, and updating the professional certificates established as Appendices I, II, III, IV, V, VI, VII, VIII, IX, X, XI and XII of Royal Decree 1531/2011 of 31 October, and as Appendices I, II, III, IV, V and VI of Royal Decree 686/2011 of 13 May.</p>		

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE		
<p>This certificate may be acquired by:</p> <ol style="list-style-type: none"> 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. <p>The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:</p>		
Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	88	570

Practical training at the workplace	12	80
Total duration of training leading to the certificate		650
<p>Entry/access requirements:</p> <ul style="list-style-type: none"> - <i>Bachiller</i> 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. <p>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</p> <p>National Europass Centre: www.oapee.es</p>		

(*) **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

