

EUROPASS DIPLOMA SUPPLEMENT TO TECHNICAL VOCATIONAL TRAINING

TITLE OF THE DIPLOMA (ES)

Técnico en Carpintería y Mueble

TRANSLATED TITLE OF THE DIPLOMA (EN)⁽¹⁾

Technician in Joinery and Furniture Making

(1) This translation has no legal status.

DIPLOMA DESCRIPTION

The holder of this diploma will have acquired the General Competence with regard to:

Manufacturing joinery and furniture elements, carrying out the processes of machining, assembly, finishing, storage and product dispatch, complying with quality, safety and environmental protection specifications.

Within this framework, the PROFESSIONAL MODULES and their respective LEARNING OUTCOMES acquired by the holder are listed below:

“Joinery and Cabinetmaking Materials”

The holder:

- Identifies the main types of wood used in joinery and in furniture making relating their characteristics to their applications.
- Selects wood- derived products and other materials used in joinery and furniture making, justifying their application according to the desired result.
- Characterises wood transformation processes the relating technical specifications of the products with raw materials and resources.
- Characterises the main joinery and furniture making processes of relating them to historical, aesthetic and functional aspects.
- Recognises the construction systems used in joinery and furniture manufacture and assembly relating them to accessories and joint elements.
- Identifies environmental regulations on the use of wood, recognising quality labels and assessing their contribution.

“Construction Solutions”

The holder:

- Draws sketches of joinery and furniture elements and products providing solutions to the established requirements.
- Defines manufacture and assembly solutions for joinery and furniture making justifying the dimensions and the established techniques.
- Designs plans of joinery and furniture elements applying representation regulations and using design programmes.
- Prepares lists of materials for the manufacture and/or assembly of joinery and furniture, identifying the different parts, components and accessories.
- Represents complex templates and parts for the manufacture and assembly of joinery and furniture using the established techniques, materials and procedures.

“Basic Joinery Operations”

The holder:

- Identifies assembly and joint systems relating their features to the desired aesthetic and functional result.
- Selects wood for the manufacture of joinery elements, justifying the choice according to the machining process and the result to be obtained.
- Carries out marking out and drawing operations, interpreting graphical documentation and applying measuring techniques.
- Manufactures joinery work, machining wood with hand tools.
- Manufactures joinery work, machining wood with conventional machinery.
- Makes joinery units, adjusting their elements according to the technical documentation.
- Carries out the operating maintenance of conventional tools and machinery, applying the established procedures.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and the measures and the equipment to prevent them.

“Basic furniture making Operations”

The holder:

- Selects materials for furniture making justifying the choice according to the product characteristics. Prepares templates applying marking out, cutting and finishing techniques.
- Machines furniture parts using portable machinery.
- Machines furniture parts using conventional machinery.
- Assembles furniture elements, placing and fixing their parts according to the technical documentation.
- Carries out the operational maintenance of portable and conventional machinery, applying the established procedure.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and the measures and the equipment to prevent them.

“Stock Control”

The holder:

- Deals with raw materials, components and products, applying the established inspection, record and control procedures.
- Stores raw materials, components and products justifying the classification, placement and control criteria in order to ensure their preservation.
- Selects the transport means for the transport of raw materials, components and products, checking their characteristics and their functioning.
- Prepares orders of raw materials, components and products, justifying the management measures proposed in order to optimize the demand.
- Dispatches raw materials, components and products placing them according to the loading and transport means selected.

“Technical Documentation”

The holder:

- Gathers information for custom-fabrication joinery and furniture, relating the proposed needs with operating possibilities.
- Assesses manufacturing construction solutions, describing the chosen solution according to the available resources.
- Prepares graphical documentation for joinery and furniture manufacture using computer assisted design applications.
- Selects processes for joinery and furniture manufacture, justifying the operations sequence and the established resources.
- Assesses manufacture solutions for joinery and furniture products, setting budgets through spreadsheets.
- Prepares the documentation for joinery and furniture manufacturing projects, writing descriptive reports and using computer tools.

“Wood and By-products Machining”

The holder:

- Selects materials for joinery and furniture manufacture, applying optimization methods.
- Prepares the manufacture of wooden and wood derived objects and by-products, marking out parts and establishing conventional machining operations.
- Prepares conventional machining machinery, adjusting their parameters and verifying first parts.
- Obtains parts and subparts, carrying out machining-pressing operations and verifying the product quality.
- Maintains the operation of machinery and equipment, describing and carrying out cleaning, tools sharpening and parts replacement operations.
- Complies with the rules on labour risk prevention and environmental protection, identifying the associated risks and the measures and the equipment to prevent them.

“Machining With Computer Numerical Controlled Machine Tools in Joinery and Cabinetmaking”

The holder:

- Prepares numerical control programs (CNC) for wood and by-products machining, interpreting manuals and applying programming systems.
- Prepares computer numerical control (CNC) machinery, loading programs and using specific tools.
- Monitors computer numerical control (CNC) machining processes relating the program-machinery operation with the quality of the product obtained.
- Carries out the first-level maintenance of computer numerical control (CNC) machinery, interpreting manuals and applying established procedures.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Joinery and Cabinet Assembly”

The holder:

- Organises the assembly of joinery and cabinets, relating the established sequence of operations with the selected raw materials.
- Prepares machinery, tools and accessories for the assembly of joinery and cabinets, identifying resources and verifying how they work.
- Makes joinery and cabinet units, interpreting the technical specifications of the product and applying assembly procedures.
- Assembles ironwork and accessories, interpreting technical instructions and carrying out verification and performance operations.
- Complies with the rules on labour risk prevention and environmental protection, identifying associated risks and measures and equipment to prevent them.

“Joinery and Cabinetmaking Finishings”

The holder:

- Checks superficial characteristics of the base, identifying faults and describing corrective measures.
- Prepares finishing products, interpreting the manufacture's instructions and mixing their components under safety and labour health conditions.
- Carries out decorative and protective finishings under wooden surfaces and by-products, justifying the selection of the product and applying it with hand and mechanical means.
- Monitors the drying-hardening process, identifying faults and describing corrective measures.
- Applies waste products management procedures, complying with the rules on labour risk prevention and environmental protection.

“Professional Training and Guidance”

The holder:

- Selects job opportunities, identifying the different labour integration possibilities, and lifelong learning alternatives.
- Applies teamwork strategies, assessing their effectiveness and efficiency on the achievement of the company's goals.
- Exercises rights and complies with the duties derived from labour relationships, recognising them in the different job contracts.
- Determines the protective action of the Spanish Health Service in view of the different covered eventualities, identifying the different types of assistance.
- Assesses the risks derived from his/her activity, analysing the job conditions and the risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan in small enterprises, identifying the responsibilities of all the agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Technician in Joinery and Cabinetmaking.

Business and Entrepreneurial Initiative”

The holder:

- Recognises the skills related to the entrepreneurial initiative, analysing the requirements derived from the different job positions and business activities.
- Defines the opportunity of creating a small enterprise, assessing the impact on the sphere of action and incorporating ethic values.
- Carries out the activities for the setting-up and the implementation of a company, choosing the legal structure and identifying the associated legal obligations.
- Carries out the basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

“Work Placement”

The holder:

- Identifies the structure and the organization of a company relating both to the different types of services delivered.
- Applies ethical and work habits in the development of his/her professional activity, according to the job characteristics and the procedures established by the company.
- Performs operations of receipt, storage and preservation of wooden materials, complying with safety and labour health conditions.
- Draws technical documentation of joinery and cabinetmaking applying the procedures of the company.
- Prepares materials, components, machinery and equipment of joinery and cabinetmaking establishing the conditions for the manufacture of the first part.
- Machines wood and by-products with machinery and equipment, interpreting technical documentation and applying the established procedure.

- Collaborates in the preparation and machining of wood and by-products with computer numerical control (CNC) machinery, applying established protocols.
- Participates in the assembly and finishing of joinery and cabinets , applying established procedures

RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA

The Technician in Joinery and Cabinetmaking works in the industries related to the manufacture and assembly of joinery and cabinets and the application of finishings products.

The most relevant occupations or jobs are the following:

- Operator of fixed machinery for the manufacture of wooden products
- Press Operator
- Bench Operator-assembler
- Joinery Fitter-assembler
- Varnisher-lacquerer
- Finishing Area Manager

AWARD, ACCREDITATION AND LEVEL OF THE DIPLOMA

Name of the body awarding the diploma on behalf of the King of Spain: Spanish Ministry of Education or the different Autonomous Communities according to their areas of competence. The title has academic and professional validity throughout Spain.

Official duration of the education/ training leading to the diploma: 2000 hours.

Level of the diploma (national or international)

- NATIONAL: Post-Compulsory Secondary Education
- INTERNATIONAL:
 - Level 3 of the International Standard Classification of Education (ISCED3).
 - Level _____ of the European Qualifications Framework (EQF__).

Entry requirements: Holding the Certificate in Compulsory Secondary Education or holding the corresponding access test.

Access to next level of education/training: This diploma may provide access to Higher Technical Cycles provided that an entrance exam is passed.

Legal basis: Basic regulation according to which the diploma is established:

- Minimum teaching requirements established by the State: Royal Decree 1128/2010, of 10 September, according to which the diploma of Technician in Joinery and Cabinetmaking and its corresponding minimum teaching requirements are established.

Explanatory note: This document is designed to provide additional information about the specified diploma and does not have any legal status in itself. An Annex I may be added and will be filled in by the corresponding Autonomous Community.

INFORMATION ON THE EDUCATION SYSTEM

