

# EUROPASS DIPLOMA SUPPLEMENT

## TITLE OF THE DIPLOMA (ES)

*Técnico en Preimpresión Digital*

## TRANSLATED TITLE OF THE DIPLOMA (EN)<sup>(1)</sup>

*Technician in Digital Prepress*

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(1) This translation has no legal status.

## DIPLOMA DESCRIPTION

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

Performing the operations of edition for electronic publications, process and layout of text and images, page imposition, digital obtaining of printed forms and printing with digital processes, as well as ensuring the quality and meeting safety and environmental protection rules.

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

### “Word Processing”

The holder:

- Identifies graphic processes, analyzing graphics products and recognizing specifications at its different stages.
- Evaluates text digital files, distinguishing file formats and word processing applications.
- Digitalizes text documents using scanner and OCR software, detecting the errors.
- Digitalizes text documents with the keyboard, using the method of typing and correcting errors.
- Processes digital text documents, using word processing tools, styles and types according to specifications.
- Corrects texts samples, recognizing correcting symbology and applying spelling and typesetting standards as well as text composition.
- Creates text files, using the most appropriate and compatible format with the following processes.
- Manages the equipment and the software involved in word processing, applying the technical features needed for each activity.

### “Bitmapped Image Processing”

The holder:

- Identifies the originals of images received, analyzing their format, content, size, resolution and color mode.
- Digitalizes the image originals, inferring the input resolution and analyzing the production process of the digitalized image.
- Treats the digital image, comparing its characteristics with the needs of the final product and justifying the editing techniques and image processing.
- Performs collages, evaluating and integrating the selected images with processing techniques, masking and mergers.
- Adjusts the image quality, identifying the printing system and applying appropriate control parameters to the printing process.
- Performs intermediate tests, analyzing the color and comparing the quality of the images reproduced with the original to be reproduced.

### “Imposition and Digital Collection of the Printed Form”

The holder:

- Determines the format of the printing form and the imposition to be performed, analyzing the features of the graphic product and those of the printing and postpress machinery.
- Prepares the tracing according to the type of graphic product, modifying its realization through printing and / or screen tests.
- Performs the imposition, by verifying its performance through digital workflow and modifying through printing and / or monitor tests.
- Sets the CTP driver rip, considering the screen parameters, resolution and LPI screening and calibrating by linearization wedges and measuring devices.

- Performs maintenance and cleaning of the CTP and the processor, controlling its operation and applying prevention, safety and environmental protection regulations.
- Obtains the offset printing form by determining the process of reproduction, number, type and quality of the plates.
- Obtains the flexographic printing form by determining the process of reproduction, number, type and quality of the photopolymer.
- Obtains the silk screen printing form by determining the process of reproduction, number, type and quality of the screens.

### **“Digital Printing”**

The holder:

- Runs computer files, relating the compatibility of the formats, versions and elements within them.
- Standardizes computer files, interpreting the potential problems in their elements, and the type of work to be performed.
- Sets up the raster image processor (rip), applying the tools of the software that relates the characteristics of the work to the available parameters specifications.
- Prepares raw materials and consumables, recognizing the quality and quantity specifications and calculating the material needs for the work.
- Prepares the digital printing machine, interpreting the configuration and the type of support on which it is going to be printed.
- Performs the digital printing run, applying the quality of the first OK sheet.
- Carries out the machinery preventive maintenance, identifying the different frequencies and interpreting the manufacturer’s specifications.

### **“Page Makeup”**

The holder:

- Performs master pages, creating typographic elements common to the pages and analyzing their distribution.
- Creates style sheets, analyzing the text typographical features and distinguishing typographical variables applicable.
- Combines editorial graphics products, analyzing the purpose of the page and combining text, images and illustrations.
- Performs page makeup of commercial and advertising graphic products, developing the design proposal and applying complex compositional techniques.
- Performs adjustments in the overall composition of the work or document, modifying and validating columns, pages, chapters, division and justification.
- Performs corrections of page makeup, analyzing the composition and evaluating the printing test.

### **“Identification of Materials in Prepress”**

The holder:

- Recognizes the prepress and postpress processes, identifying their technical features.
- Distinguishes emulsions from printing forms, determining their features and properties.
- Assesses cellulosic nature supports to consider adjustments in the prepress process, determining the properties of the printability of papers.
- Identifies plastic and complex supports, analyzing its printability properties.
- Assesses the inks to be used for printing, recognizing their colorimetric properties.

### **“Assembly of Electronic Publications”**

The holder:

- Prepares image, text, video and sound files, analyzing its composition and applying modifications to adapt them to electronic publishing to be performed.
- Performs animations, applying timelines, speed and frames, relating them to the technical needs and purposes.
- Creates pages for the web, using electronic publishing techniques and analyzing its readability, usability and accessibility.
- Performs layouts to convert them into electronic books, analyzing the characteristics of electronic publishing.
- Performs the integration of elements for multimedia publications, analyzing their aesthetic function, their information accessibility and assessing the purpose of the publication.
- Publishes pages, electronic publishing and multimedia, analyzing the requirements of the platform on which they will be applied and validating the correct operation of these publications.

### **“Vector illustration”**

The holder:

- Prepares the originals received, analyzing the reproduction instructions and adapting their content and their format to the requirements to perform vector illustration.
- Performs vector illustration, applying drawing and digital tracing techniques and analyzing the purpose of the image and equipment involved in reproduction.

- Transforms bitmapped images into vectors, using specific tools and identifying the features of the illustration.
- Modifies texts with layout and text tools, applying typographic design features and determining the necessary effects for its proper reproduction in the illustration.
- Integrates and modifies digital elements of other applications (statistical graphs, drawings and databases), using files import/export techniques.

### **“Professional Training and Guidance”**

The holder:

- Selects job opportunities, identifying the different possibilities of labour integration, and the alternatives of lifelong learning.
- 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 risk factors present in his/her labour setting.
- Participates in the development of a risk prevention plan for a small enterprise, identifying the responsibilities of all the agents involved.
- Applies protection and prevention measures, analysing risk situations in the labour setting of the Technician in Digital Prepress.

### **“Business and Entrepreneurial Initiative”**

The holder:

- Recognizes the skills related to 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 performance setting and incorporating ethic values.
- Carries out the activities for the setting-up and implementation of a company, choosing its legal structure and identifying the associated legal obligations.
- Carries out basic administrative and financial management activities of an SME, identifying the main accounting and tax obligations and filling in documentation.

### **“On the Job training”**

The holder:

- Identifies the structure and organization of the company, relating them to the type of service provided.
- Applies ethical and work habits in the development of their professional activities in accordance with the characteristics of the job and procedures established by the company.
- Scans and treats digital images, identifying characteristics and applying techniques and specific parameters.
- Treats and corrects texts, identifying its typographic features and applying rules on composition and orthotypography and.
- Combines pages combining texts, images and illustrations, applying rules of composition and layout.
- Performs electronic publications, combining multimedia elements and applying technical parameters to pages and links.
- Performs digital imposition and collection of the print form, applying techniques with digital workflow and CTP (direct-to-plate systems/photopolymer or screen).
- Performs digital print run, standardizing digital files and applying techniques and parameters according to the technical specifications.

## **RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE DIPLOMA**

The Technician in Digital Prepress works in printing companies, press, publishing houses, media and advertising agencies, graphic services and media publications agencies in any productive sector whose companies require a digital prepress department which may work with digital imaging, making of electronic publications, text and image processing, page and layout makeup, page imposition, collection of digital printed forms and digital printing.

The most relevant occupations or jobs are the following:

- Technician in prepress.
- Technician in word processing.
- Technician in image processing.
- Layout / digital page makeup technician.
- Technician in electronic / multimedia publications.

- Digital files performer.
- Scanners / color specialist.
- Technician in digital imposition.
- Operator of film crews of computer to plate (CTP).
- Operator of film crews from computer to screen (CTS).
- Operator of film crews from computer to photopolymer (CTP).
- Technician in digital print.

### **AWARD, ACCREDITATION 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 1586/2011, of 4 November, according to which the diploma of Technician in Digital Prepress 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

