

# EUROPASS DIPLOMA SUPPLEMENT

## TITLE OF THE DIPLOMA (ES)

*Técnico Superior en Iluminación, Captación y Tratamiento de Imagen*

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

*Higher Technician in Lighting, Capture and Processing of Images*

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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:**

Developing complete photographic projects, capturing, recording, and processing images and illuminating scenographic spaces in audiovisual productions, shows and events, determining and controlling the technical, formal and expressive quality.

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

### “Camera Planning in Audiovisual Productions”

The holder:

- Sets the visual style and the type of camera shots in audiovisual projects, relating visual language conventions to the achievement of the project’s communication objectives.
- Determines the needs of camera equipment, relating the characteristics and operation of the technical means to the type of projects that will be developed.
- Verifies the operation of the camera equipment and its suitability, taking into account the fulfillment of the requirements of the audiovisual project to be registered.
- Plans the camera actions in television shows, relating multi-language peculiarities to the achievement of the project objectives.
- Plans the operations and workflows of the camera crew in film and video recordings, applying optimization criteria and justifying the decisions adopted.

### “Audiovisual Image Shooting”

The holder:

- Places the camera in the intended positions and performs the appropriate camera movements in film and video recordings, applying the project criteria of aesthetic and expressive visual design.
- Determines the exposure of audiovisual project takes to obtain the predefined visual style, relating the optical parameter adjustment to the skills of the image sensors, the requirements of the storage devices and the lighting conditions.
- Applies the suitable techniques in industrial, educational, documentary projects, fiction and music video recordings performed with a single camera, distinguishing the features of each genre.
- Captures images of television programs, according to the instructions from production control, obtaining the technical and expressive quality characteristic of the project requirements for multicamera production.
- Carries out control adjustments in cameras during the recording or the broadcasting of television programs, obtaining technically correct images, the maintenance of visual continuity and the fulfillment of the intended visual design.

### “Lighting Projects”

The holder:

- Evaluates the technical characteristics of an audiovisual or performance project and its needs, proposing practical solutions for their practical resolution regarding lighting.
- Defines the general aesthetic and expressive characteristics of the lighting in order to solve a photographic, visual or performing arts project, relating them to the historical, style and genre standards of the projects.
- Concretes technical and operational solutions in the process of lighting a live performance, relating them to different variables of the project, such as project budgetary reasons, schedules and types of programmed spaces.
- Concretes the technical and the operational solutions in the process of lighting a live or recorded TV show, taking into account the interpretation and the generation of technical documentation.
- Determines the technical and operational solutions in the process of illumination of a photographic or audiovisual project of frame by frame recording, bearing in mind the interpretation and generation of technical documentation.
- Prepares the lighting plan for a live performance or photographic or audiovisual project, relating the proposed technical solutions with the features of the chosen visual style.

### **“Lighting Technology”**

The holder:

- Determines the technical conditions of lighting equipment to be employed in audiovisual and entertainment projects, relating their functional and operational features to the purposes for which they are intended.
- Carries out the necessary arrangements and organizes the installation, the assembly and the disassembly of lighting for audiovisual productions and live performances, interpreting lighting plans and justifying decisions.
- Carries out the electrical installation and the wiring of the necessary elements, taking into account the compliance with safety conditions and respect for the work of other confluent teams.
- Assembles and disassembles the lighting equipment for live shows, applying the lighting plan and taking into account the compliance with safety and respect for the work of other confluent teams.
- Assembles and disassembles lighting equipment for audiovisuals, applying the instructions from the director of photography and taking into account the compliance with safety and respect for the work of other confluent teams.
- Carries out the maintenance of lighting equipment for its use in audiovisual and live performances, consider implementing protocols.

### **“Lighting Control”**

The holder:

- Controls and manipulates light beams, relating its operation to the achievement of the dramatic or aesthetic effect required in the lighting design.
- Controls the lighting for live shows, assessing the achievement of the objectives of the lighting design and the adequacy of the lighting plan.
- Controls the lighting in the audiovisual shot and recording, assessing the achievement of the objectives of the lighting design and the adequacy of the lighting plan.
- Applies audiovisual narrative in lighting, combining audiovisual codes with the achievement of communicative goals of the projects.
- Controls the visual aspect of the lighting in the image during post-production, evaluating the achievement of the desired visual result of the work.

### **“Projects on Photography”**

The holder:

- Carries out the design of a photographic project, accurately defining the characteristics of the production based on the analysis of the information and the requirements of the assignment.
- Designs the technical and procedural implementation of a photographic project, evaluating the application of quality and money optimization criteria.
- Designs the staging, relating its achievement to the consideration of the technical, aesthetic, communicative and photographic aspects in the project budget.
- Develops a work plan and a budget of a photographic project, taking into account the integration of all the technical and economic variables involved and applying resource optimization criteria.
- Organizes the typical resources of a photography company, relating the characteristics of the most common photo assignments to the standardized processes for its optimal management.

### **“Shooting”**

The holder:

- Sets up, installs, removes and places the camera and the auxiliary equipment, relating the technological elements involved to the characteristics of the planned shot.
- Carries out the process of controlling the exposure through the camera's light meter and external meters, distinguishing the different measurement techniques with continuous and discontinuous light equipment and its relationship with the different exposure values.
- Performs shooting, applying technical, aesthetic, communication and composition criteria and assessing the final results of the process.
- Performs shooting in portrait and fashion projects, applying aesthetic, communicative and composition criteria and considering the enhancement of the expressive and the interpretative qualities of the model.
- Performs shooting in report projects, considering the application of an specific treatment as a set of images and conferring personal sense that characterizes the topic.
- Performs shooting in still life and advertising projects, building the sets and relating the application of specific lighting and composition techniques to different objects to the creation of an aesthetic and communicative image.

### **“Digital Photo Processing”**

The holder:

- Carries out the operations and the maintenance and control processes of scanners, computer equipment, gauges and peripheral devices used in the processes of scanning and image processing, relating the image's status and the operability to the achievement of optimal results.
- Carries out maintenance procedures and assurance of color management in digitizer devices, monitors and image processing programs, maintaining color consistency throughout the production process and its relevance when achieving optimal and accurate results with regard to the colours.

- Digitizes images, operating with equipment and scanning systems, evaluating the relationships established between the characteristics of the original document, the intermediate treatments that it can receive and the final destination of the scanned image.
- Carries out the digital treatment, especially the adjustment and the optimization of images by implementing software, evaluating their adequacy to the needs of the final product and in line with the technical instructions provided.
- Edits digital images, applying the suitable software tools and taking into account the importance of adjusting to the previous model or sketch to achieve soft and imperceptible fusions.
- Carries out vector graphic elements using computer applications, assessing the need for their integration in the production process and their relevance to the needs of the required final product

### **“Final Photographic Processes”**

The holder:

- Carries out operations and processes of maintenance and control of printing, finishing and filing equipments, relating their condition and operability to the achievement of optimal results.
- Prepares images for the target media or support, evaluating the performance of the output adjustment according to the features of the assignment, and also in line with the target printing and/or display equipments and supports. Obtains hard copies, verifying the adequacy of the results and the assignment specifications, and considering the application of corrective measures to obtain the required result.
- Carries out finishing operations of copies, completing and editing them in their presentation platform, applying techniques of error correction and evaluating the most appropriate final finishings according to the assignment characteristics.
- Performs the conservation and the maintenance of photographic material, considering the most appropriate measures according to its format and ensuring its later requirements.
- Files photographic material, applying software to manage digital photo files and evaluating images cataloging according to the organizational criteria that allow its location and use.

### **“Recording and Editing Audiovisual Reports”**

The holder:

- Prepares the equipment and the audiovisual recording systems for institutional, educational, industrial, social and informative genres videos, in circumstances of immediate information, analyzing the characteristics of the equipment and applying technical protocols.
- Applies the specific sound settings for institutional, educational, industrial, social reportage and informative genres videos in video camera recording, according to criteria of quality achievement criteria and following standardized protocols.
- Determines the visual and auditory processing of information in news gathering and reports relating the criteria of news reports to the different possible narrative and communication options.
- Carries out the recording of news and reports, developing techniques aimed at capturing the most relevant visual and audio aspects of the latest news.
- Edits the raw material from previous recordings, evaluating the application of different editing techniques and narrative procedures specific to reports.

### **“Project on Lighting, Capture and Image Processing”**

The holder:

- Identifies the needs of the production sector, relating them to related projects that may satisfy them.
- Designs projects related to the competences described in the diploma, including and developing their constituting stages.
- Plans the project implementation, its lighting and photography determining the intervention plan and the associated documentation.
- Defines the procedures for the monitoring and control of the project implementation, justifying the selection of the variables and the instruments used.

### **“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 the 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 the risk situations in the labour setting of the Higher Technician in Lighting, Capture and Image Processing.

### “Business and Entrepreneurial Initiative”

The holder:

- Recognizes the skills related to entrepreneurial initiative, analysing the requirements derived from 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 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 the organization of the company, relating them to the type of service provided.
- Applies ethical and work habits in the development of his/her profession, according to the characteristics of the job and the procedures established by the company.
- Sets the visual style, the equipment needs and the camera planning in film projects, on the basis of the initial documentation, applying quality and money optimization criteria.
- Records news and reports and edits image and sound material, applying editing techniques and narrative procedures specific to reports.
- Captures images on television shows, achieving the technical and expressive quality specific to the requirements of a multicamera project.
- Controls the lighting during the shooting and the recording of an audiovisual program according to the lighting design.
- Controls the lighting in live shows, fulfilling the goals of lighting design and the lighting plan.
- Performs all activities of a full photographic project, applying the criteria to obtain the highest quality and money optimization.

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

The Higher Technician in Lighting, Capture and Image Processing works in the field of capture, image registration and lighting in film and video production companies and television stations, as well as in companies active in the dramatic lighting in all kinds of shows and events and also in companies active in the development, generation and processing of digital photographic images.

The most relevant occupations or jobs are the following:

- Camera crew in films, video and television productions.
- Camera assistant.
- ENG (Electronic News Gathering) Cameraman.
- Television illuminator.
- Lighting assistant.
- Responsible for live shows lighting.
- Live shows lighting technician.
- Technician in lighting control tables at shows.
- Photographer.
- Still photography.
- Photojournalist.
- Digital photo editor.
- Supervisor of digital imaging and vector systems.

## 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: Non-University Higher Education

- INTERNATIONAL:
  - Level 5 of the International Standard Classification of Education (ISCED5).
  - Level 5 of the European Qualifications Framework (EQF5).

**Entry requirements:** Holding the Certificate in Post-Compulsory Secondary Education (Bachillerato) or holding the corresponding access test.

**Access to next level of education/training:** This diploma provides access to university studies.

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

- Minimum teaching requirements established by the State: Royal Decree 1686/2011, of 18 November, according to which the diploma of Higher Technician in Lighting, Capture and Image Processing 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.

### COURSE STRUCTURE OF THE OFFICIALLY RECOGNISED DIPLOMA

PROFESSIONAL MODULES IN THE DIPLOMA ROYAL DECREE	CREDITS ECTS
Planning of Camera In Audiovisual Productions	9
Audiovisual Image Shooting	11
Lighting Projects	6
Lighting Technology	9
Lighting Control	8
Projects on Photography	7
Shooting	11
Digital Photo Processing	9
Final Photographic Processes	5
Recording and Editing Audiovisual Reports	9
Project on Lighting, Capture and Image Processing	5
Professional Training and Guidance	5
Business and Entrepreneurial Initiative	4
On the Job Training	22
	TOTAL CREDITS
	<b>120</b>
OFFICIAL DURATION (HOURS)	<b>2000</b>

\* The minimum teaching requirements shown in the table above comprise 55% official credit points valid throughout Spain. The remaining 45% corresponds to each Autonomous Community and can be described in the **Annex I** of this supplement.

## INFORMATION ON THE EDUCATION SYSTEM

