



SPECIALIZING MASTER IN

# LIGHTING DESIGN & TECHNOLOGY

XX EDITION – SEPTEMBER 2022

## GENERAL OVERVIEW

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The lighting project must be understood as a service to promote well-being, personal, social, productive, relational and communicative activities throughout the whole range of human activities. Artificial lighting is in fact a primary asset of modern societies and it is one of the factors that has provided its contribution to the economic, commercial and social development of the most advanced nations in the world. The use of all the energy and expressive potential of the light requires the definition of professionalism and adequate design methods that are provided by the master.

## TRAINING OBJECTIVES

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The Master's objective is the training of professional profiles able to follow the design and production process of lighting, in interior architecture, urban exteriors, museum and temporary installations and in the areas of hospitality, with particular attention to the analysis and synthesis of the methodological processes of ideation, organization and realization of the lighting project, in relation with the production and technological innovations of the sector and with and with particular attention to the socio-cultural aspects of artificial lighting.

## DIDACTIC PLAN

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The Specializing Master will be held in English. Any lecture in other languages will be translated simultaneously.

The specializing master has a duration of one year and issues 60 credits, equivalent to 60 ECTS.

## DIDACTIC MODULES

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The teaching activity can be held in person or with distance learning. The educational program is divided into 10 thematic modules plus an 11th module which is the internship. The teaching of the didactic modules will be in English. The first 4 didactic modules develop the basic skills in the field of theories, methods and tools for lighting Design; from the technical, methodological and cultural basics of the project to permanent innovation in the sector:

- Theory of lighting.
- Lighting engineering.
- Connected lighting.
- Introduction to Lighting Design.

The following 5 didactic modules develop advanced skills in the field of Lighting Design practice:

- Project work: lighting design with CAD and BIM.
- Project work: lighting for the hospitality.
- Project work: Lighting in exteriors.
- Project work: lighting for cultural heritage.
- Project work: lighting in commercial interiors.

The 10th educational module develops empowerment skills for entering the world of working for corporate and professional training.

**30**  
**students**

**1500**  
**hours**

**13**  
**months**

**€10.990**  
**cost**

## TITLE RELEASED

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At the end of the course, upon passing the final exam, the first level Specializing Master's degree of the Politecnico di Milano will be awarded in "Lighting Design and Technology".

## EMPLOYMENT OPPORTUNITIES

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The result of the master is an innovative professional profile with advanced skills concerning the main lighting design activities in hospitality and commercial interiors, urban exteriors, museum and temporary installations.

This professional profile can be recruited by companies in the lighting sector and in professional firms and also in technical offices of public administration. In the technical-lighting companies, s/he will be included in the design, construction and control studies of lighting systems. In professional firms of architecture, industrial design and technical-lighting design, s/he will support the architectural design of residential, commercial, public, recreational, sport, museum and exhibit design buildings, with coordination and support tasks for design of artificial lighting.

In local authorities and public and private companies in the field of public lighting services, s/he can be included in the offices of design, installation, testing and management of public and private lighting, with duties concerning construction supervision and verification related to the problems coming from reference legislation and standards for public and

private lighting.

The Specializing Master has a placement of more than 80% of participants who could fit into design firms and leading companies within one year after completion of studies.

## REQUIREMENTS

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The Specializing Master is open to applicants who have a university degree (Laurea, equivalent to a Bachelor of Science) under the old or the new educational system or a Laurea Magistrale (equivalent to a Master of Science) under the new educational system in Architecture, Engineering and Design, and to applicants with equivalent qualifications.

## DEADLINES

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To take part to the selection process, the application form must be completed online within the following deadlines:

- for Italian / foreign citizens with a qualification obtained in Italy within August 7th 2022,
- for Extra U.E. citizens within July 7th 2022.

## PRICE

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The total cost of the Master is 10.990 € Exempt from VAT under Article 10 of DPR 633/72.

- 500 € are for the matriculation to Politecnico di Milano and 10.490 € are for the application to the Master.

## FACULTY

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**Scientific Director**                      Maurizio Rossi

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**Deputy Director**                         Andrea Siniscalco

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## CONTACTS

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<https://www.polidesign.net/en/formazione/interior-design-and-architecture/master--lighting-design-technology/>