

## INTERNATIONAL MASTER DEGREE

PROGRAM DURATION 2 Years

START DATE October

CREDITS 120 ECTS

LANGUAGE English

LOCATION Milan, Italy Milan – Leuven (Dual Degree track)

TUITION

Foreign students with a Bachelor degree (earned abroad) who enroll in Materials Science will be entitled for the following benefits: 1<sup>st</sup> Year: Full fee waiver 2<sup>nd</sup> Year: € 600,00 EIT Grants (Dual Degree University of Milano-Bicocca — Department of Materials Science

# **MATERIALS SCIENCE**

#### **DESCRIPTION OF THE COURSE**

MSc. Degree in Material Science offered by the Department of Materials Science at the University of Milano-Bicocca is a 2-year study program aimed at providing advanced knowledge on chemistry and physics of materials, along with modelling approaches and experimental techniques of materials characterization, with practical applications in experimental laboratories. The students learn about the interpretation and the design of function vs. structure relationships in a wide class of materials, providing an underlying basis for understanding principles, applications and entrepreneurial aspects of nanotechnology. In order to allow for an individual specialization, the program provides a broad choice of courses on specific classes of materials and their function-related structures. Besides technical knowledge, the program also focusses on acquiring competencies related to research skills and scientific communication. Finally, the theoretical knowledge is applied and enhanced through an internship and a Master thesis, which are carried out within a network of collaborations involving research groups and industrial partners.

Overall, the program endeavors to create graduates with a multi-disciplinary approach in developing new pathways for innovation, with a specific view to integrate scientific and ethical perspective to the sustainability of processes and technologies in materials science.

## DUAL DEGREE OPPORTUNITY

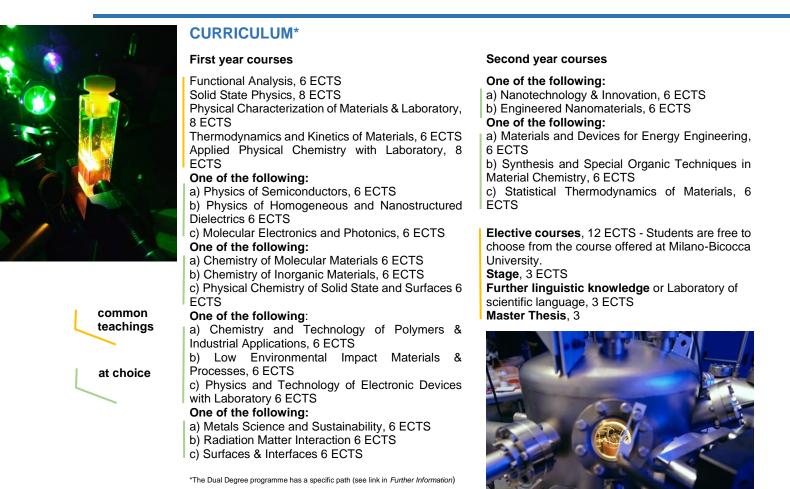
The Master degree programme includes student positions within the International programme of Dual MSc Degree in Sustainable Materials (SUMA MSc Degree). The Dual Degree track meets the requirements of the Quality Label of the European Institute of Innovation and Technology (EIT) of the European Commission for the high education target in the field of Raw Materials. The network of international SUMA Master Tracks is funded by EU within the IMAGINE European project. In the Dual Degree track, 60 ECTS are acquired at UNIMIB and 60 ECTS at the Katholieke Universiteit Leuven (Belgium). For admission to the Dual Degree Track, candidates have 1) to submit an application to the SUMA web site (www.master-suma.eu), then 2) to follow the instructions and deadlines for admission to UNIMIB as entry University, as indicated in Admission procedure. Further details are available at https://elearning.unimib.it/course/view.php?id=22185.

#### **CAREER PATH**

New materials determine the performance, efficiency, quality and sustainability of products and processes in all modern industries and application areas. With a MSc Degree in Materials Science, graduates can either directly work in industry or can further specialize by carrying out a PhD.

#### **COURSE DIRECTOR**

Prof. Alberto Paleari



FURTHER INFORMATION

didattica.materiali@unimib.it; https://elearning.unimib.it/course/index.php?categoryid=4578

# **DEGREE REQUIREMENTS**

Three years Bachelor Degree from an accredited college/university or its equivalent. Language **Certification:** Certificate of proficiency in English corresponding to at least B2 level, issued by recognized Institutions, or BSc Degree earned by attending a University course fully taught in English.

## **ADMISSION PROCEDURE**

The applications for admission must be presented online at the web site of the University of Milano-Bicocca at the link <u>https://s3w.si.unimib.it/Home.do;jsessionid=37226A3BEE95999EBEA995E481FC1AF9.esse3-unimib-prod-03?cod\_lingua=eng.</u>

It is necessary to follow the instructions at this link <u>https://elearning.unimib.it/course/view.php?id=17945.</u>

**Please note** extra-UE students requiring VISA must apply for pre-enrolment to the Italian Embassy (or Consulate) in their Country <u>as soon as possible</u> and no later than 24th July 2020.

Applications open on the 1<sup>st</sup> of April 2020 Interview for students are scheduled in the following dates:

- June 19<sup>th</sup> 2020 (for those who apply before June 15<sup>th</sup>)
- September 25<sup>th</sup> 2020 (for those who apply from June 16<sup>th</sup> till September 14<sup>th</sup>)

# ACCOMMODATION AT UNIVERSITY OF MILANO-BICOCCA

The University of Milano - Bicocca makes available accommodation for international students. To book accommodation and learn about the costs and terms of your stay you can write to: <u>booking.bicocca.fms.it@sodexo.com.</u>

The University of Milano-Bicocca also offers scholarships to cover accommodation and living costs. For terms of application please consult <u>https://www.unimib.it/servizi/diritto-allo-studio-tasse-150-ore/borse-studio.</u>

www.unimib.it