

POLITECNICO DI MILANO



**Academic Year 2017/18**

**School of Design**

**Degree Programme of:**

**Digital and Interaction Design**

**Laurea Magistrale (Equivalent To Master Of Science)**

**Milano Bovisa Campus**

## 1. General Information

<b>School</b>	School of Design
<b>Code Reference Law</b>	1262
<b>Name</b>	Digital and Interaction Design
<b>Reference Law</b>	Ordinamento 270/04
<b>Class of degree</b>	LM-12 - Design
<b>Degree level</b>	Laurea Magistrale (Equivalent To Master Of Science)
<b>First year of activation</b>	2017/2018
<b>Official length of the programme</b>	2
<b>Years of the programme already activated</b>	1
<b>Official language(s)</b>	English
<b>Campus</b>	Milano
<b>Dean of the School</b>	Luisa Maria Virginia Collina
<b>Coordinator of the Study programme</b>	Margherita Pillan
<b>Website of the School</b>	<a href="http://www.design.polimi.it">http://www.design.polimi.it</a>
<b>Website of the Study programme</b>	--

### Student Office (Study programme)

<b>Reference office</b>	Centro Orientamento Studenti Scuola Design
<b>Address</b>	Via Candiani 72, 20158 Milano
<b>Phone</b>	02 2399 7277

### Central Student Office

<b>Address</b>	VIA LAMBRUSCHINI, 15 (MI)
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## 2. General presentation of the study programme

Over the last several decades, the development of electronic and computer technologies have coincided with major transformations of all manufacturing and industrial sectors. Radical changes in social behaviours related to means of communication and organization have also been made. Technological development has affected the structure of many material products in public and private spaces. Digitization has radically changed every service sector because it allowed new solutions for the distribution and the fruition of goods. It fostered innovation of products in every product sector, from fashion to furniture, and created remote collaboration platforms in different application areas. Today, digital design helps us find sustainable scenarios in areas of great social importance including transportation, medicine, design, training and education.

The ability to use digital technology for innovation opportunities requires new approaches, which combine traditional skills and new skills related to the design of human-computer interaction, dynamic artefacts and product/service systems. Indeed, digital innovation is an opportunity to create new solutions and work with every application area of the project.

The profile of a design student coming from this study programme is characterized by a strong attention to innovation, who is able to design solutions based on the use of digital and electronic technologies, and who can create new systems from a functional point of view. The digital designer is aware of the aesthetic/formal quality aspects of products, interfaces, services and physical spaces. His/her main ability is to talk with experts about different subjects, to co-design solutions with end-users and interact with technicians involved in the implementation. The designer is able to use traditional representation techniques to design products as well as the specific technologies related to the interactive aspects of systems in order to support the design of interfaces, scenarios and solutions suitable to specific contexts and users. These techniques are also to help direct projects according to the usability, admissibility, convenience and human gratification needs. The digital and interaction designers are able to find procedures for the dynamic involvement of users with digital products and services, and bring quality to the experience and the interactive involvement.

The digital and interaction designer has skills related to perceptual, cognitive and emotional processes that are in relation with actions and technological solutions. S/He has ergonomic skills and designs with the most innovative and dynamic materials, but also with the more traditional skills where the interactive component must be integrated. S/He will be able to design interfaces of different types, s/he will know how to analyse contexts and represent scenarios, s/he designs technological products and services in different application fields, and s/he is an expert in expression forms and cultural products based on the use of digital technologies. S/he has design experience based on IoT(Internet of Things) technologies, on the use of sensors, wearable devices and mobile technologies, and s/he has basic skills in business models and pays attention to regulatory and technological feasibility aspects.

## 3. Learning objectives

The programme aims to train designers of digital products and systems; designers strongly dedicated to innovation who are capable of designing products, environments and services whose work is based on the interactive opportunities of digital and electronic technologies. They will be paying attention to the user and social experience in order to improve the interaction processes through various interface mediums.

Therefore, the programme provides the following skills:

- talk with experts of different disciplines and design in multidisciplinary teams;
- co-design with users;
- carry out ethnographic investigations to better understand behaviours, needs and expectations of users and the characteristics of each specific context;

- use representation and prototyping techniques to support the design of multi-device systems and interactive solutions;
- provide the proper interactive performance of products and systems designed in relation to contexts and needs of specific users;
- develop products, services and systems with high functional, formal and sensory quality;
- optimise projects according to the needs of usability, and physical/cognitive accessibility;
- realize innovative solutions from the point of view of the modes of active involvement of people, and use technologies to qualify the shape of spaces and systems.

The digital and interaction designer is able to find procedures and dynamic involvement of the users of products, environments and services from the performance point of view. This is done by controlling the perceptual and cognitive aspects of interaction processes in order to define the quality of the experience.

The digital and interaction designer is able to:

- design interfaces of different types through controlling multi-modal/cross-modal and multi-sensory aspects of interaction;
- analyse contexts and involve users in need analysis;
- represent scenarios and test experimental prototypes;
- apply technology to product development processes;
- design technology services in different fields of application.

The digital and interaction designer has design experience based on IoT(Internet of Things) technologies, on the use of sensors and actuators, wearable devices and mobile technologies. S/He knows the basic principles of programming and electronics, and pays attention to regulatory and economic feasibility aspects.

The courses will be carried out as front-of-class lectures and design laboratories. It is expected that some front-of-class courses will include design exercise activities as a qualifying aspect of the training programme. The programme includes training internships at research institutes, laboratories, companies and public administrations, at other Italian and European universities, and through international agreements.

The two-year structure provides basic theoretical ex cathedra courses during the first year in order to characterize the study programme and help the students understand the specific theoretical and technical knowledge related to design, human and social sciences and to technological and engineering disciplines. These are necessary to properly design interactive digital products and systems. In the first year, there is one laboratory and an optional course that will test the design application of this knowledge in different areas. These areas include the design of spaces, product, fashion and communication according to the students' interests. Finally, there is a limited duration workshop (one or two weeks) linked to external contexts from the the university and connected to society and professional world.

During the second year, there is the final synthesis laboratory, which represents a convergence of all the skills acquired and is a good basis for the elaboration of the graduation work. There is a course dedicated to the economic aspect of the project, a course about the application of the Digital Design skills, as well as an optional course.

## **4. Organization of the study programme and further studies**

### **4.1. Structure of the study programme and Qualifications**

For every level one Laurea course the School also sets up a related continued study Laurea Magistrale.

Level I Laurea	Level II continued study laurea
Product design	Integrated Product Design
Communication Design	Communication Design
Fashion Design	Design for the Fashion System
Interior Design	Interior and Spatial Design
Product design	Design & Engineering
Mechanical Engineering	
Material and Nanotechnology Engineering	
Product Design/Communication Design/Interior Design/Fashion Design	Product Service System Design
Product Design/Communication Design/Interior Design/Fashion Design	Digital and Interaction Design
Interior Design/ Product Design (Product)	Yacht & cruising vessel design- La Spezia campus

The Laurea Magistrale courses activated by the School of Design are divided up into sections.

<b>Laurea Magistrale in Integrated Product Design</b> Taught in both the Italian and English languages	<b>Active in both the 1st and 2nd years of the Laurea Magistrale</b> <i>Product Section 1 - IP1</i> <i>Product Section 2 - IP2</i>
<b>Laurea Magistrale in Communication Design</b> Taught in both the Italian and English languages	<b>Active in both the 1st and 2nd years of the Laurea Magistrale</b> <i>Communication Section 1 – C_1</i> <i>Communication Section 2 – C_2</i> <i>Communication Section 3 – C_3</i>
<b>Laurea Magistrale in Design for the Fashion System</b> Taught in the English language	<b>Active in both the 1st and 2nd years of the Laurea Magistrale</b> <i>Fashion Section 1 – M_1</i> <i>Fashion Section 2 – M_2</i>
<b>Laurea Magistrale in Interior and Spatial Design</b> Taught in both the Italian and English languages	<b>Active in both the 1st and 2nd years of the Laurea Magistrale</b> <i>Interiors Section 1 - IS1</i> <i>Interiors Section 2 - IS2</i> <i>Interiors Section 3 – IS3</i>
<b>Laurea Magistrale in Design &amp; Engineering</b> Taught in the English language	<b>Active in both the 1st and 2nd years of the Laurea Magistrale</b> <i>D&amp;E Section 1 – DE1</i> <i>D&amp;E Section 2 – DE2</i>

<b>Laurea Magistrale in Product Service System Design</b> Taught in the English language	<b>Active in both the 1st and 2nd years of the LM</b> <i>Product Service System Section 1 - PS_1</i> <i>Product Service System Section 2 - PS_2</i> <b>From the 2nd year of the LM the following section will also be active</b> <i>Section Product Service System 2 - PS_3</i> Only for students studying on the <b>Double degree</b> with Management Engineering project.
<b>Laurea Magistrale in Digital and Interaction Design</b> Taught in the English language	<b>At the 1st year only one section is active</b> <b>Second year not active</b>

N.b. Course teaching can be in mixed Italian and English.

## 4.2. Further Studies

The qualification grants access to "Dottorato di Ricerca" (Research Doctorate), "Corso di Specializzazione di secondo livello" (2nd level Specialization Course) and "Master Universitario di secondo livello" (2nd level University Master)

## 5. Professional opportunities and work market

### 5.1. Professional status of the degree

The digital and interaction designer is a specialist designer who is able to independently manage and coordinate the design process from the starting idea through prototype and until validation. The digital and interaction designer deals with products, services and multi-device systems where the interaction component between man and product is essential. The Laurea Magistrale graduate student in Digital and Interaction Design can work in the research/development divisions of companies operating in the areas of traditional services and products such as automotive, consumer electronics, entertainment, cultural heritage, person services, distribution and sales, and home and office automation.

The graduate student in Digital and Interaction Design can work in marketing and commercial divisions through his/her innovation contributions to the customer relationship. S/He can be involved in consulting firms for product and process innovation, in design and architecture professional firms, in large-scale retail, and in telecommunication and service companies.

S/he can also work as a project manager and chief design officer in different fields of application of digital technologies, or as a freelancer and promoter of new business ventures.

### 5.2. Careers options and profiles

The programme prepares students for the following professions:

- digital designer
- interaction designer
- user experience designer
- interface designer
- information architect
- service designer
- developer of smart product/smart spaces
- web content specialist
- front-end web developer
- app developer
- web designer
- web developer

- mobile designer
- web designer
- trans-media producer.

The job opportunities relevant to the Laurea Magistrale Programmes of this class, are freelance, institutions, public and private bodies, design companies, enterprises and companies operating in the field of interactive product development based on the use of digital, electronic, and network technologies.

## 6. Enrolment

### 6.1. Access requirements

Laurea (First degree), or foreign comparable degree

Candidate admission is dependent on assessments of merit and of the contents of previous courses of study. Students from other campuses or dissimilar study programmes will be required to undergo assessment of their educational background in order to identify any supplementary courses of study which may be required before admission to the Laurea Magistrale study programme.

Qualifications required for admission:

- Level I or II laurea;
- Appropriate English languages skills certification.

Updates to the “*Guida all’ammissione alla Laurea Magistrale*” are published every year on the School's site including detailed information on the material required for admission applications, how to register and deadlines, admission without assessment and reasons for non admission. Minimum laurea marks required for admission are also shown.

Students requiring supplementary studies prior to admission must fulfil these within one year of the date of assessment.

### 6.2. Requested knowledge

Students can be admitted to the Laurea Magistrale in either the first or second semester. Only students coming from similar courses or who have fulfilled supplementary educational requirements relating to the assessment semester will be eligible for admission to the 2nd semester. Available places for the 2nd semester will be published when the September admission procedures are completed.

The Laurea Magistrale Study Programme in **Digital and interaction design** allows admittance to the 2° semester only to candidates that have attended the following 1st semester courses:

**Basic of**

**interaction design, Hardware & Software Technologies for Design, UX-Design.**

**English language** knowledge, according to the standards indicated by the University, is a registration pre-requisite. **Certificates must be presented before the assessment registration deadlines.**

Students applying for admission to the Laurea Magistrale must fill in the appropriate online form and will be eligible for admission only if their previous studies fulfill course requirements as assessed by the appropriate board's final decision. In the event that students are rejected the board will provide reasons for its decision.

In order to be admitted to the Laurea Magistrale (equivalent to Master of Science), you must have a First level Laurea (equivalent to Bachelor of Science) or an equivalent qualification obtained

abroad in one of the following classes:

L-4 Industrial design

L-17 Architecture Science

L-8 Information Engineering

L-9 Industrial Engineering

L-31 Computer Science and Technology.

The enrolment is also possible to those with a First level Laurea (equivalent to Bachelor of Science), or an equivalent qualification obtained abroad, provided that they have specific curricular requirements, as specified below:

At least 40 ECTS, all included in the 08/C macro-sectors, DESIGN AND TECHNOLOGICAL DESIGN OF ARCHITECTURE, 01/B INFORMATICS,

and/or in SSDs ICAR/16 INTERIOR ARCHITECTURE AND PREPARATION OF SPACES, ICAR/17 DESIGN, ING-INF/05 - INFORMATION PROCESSING SYSTEMS, ING-INF/06 - ELECTRONIC AND COMPUTER BIOENGINEERING

Any curriculum integration, in terms of ECTS, must be acquired before the assessment of individual preparation.

The admission to the Laurea Magistrale (equivalent to Master of Science) Programme is also subject to verification of personal preparation.

School of Design students fulfilling NV requirements (parameters relating to student averages and credits awarded in the second year of the programme) are exempt from the need to supply support documents to on-line applications.

Assessment is required for:

- Internal and external Politecnico di Milano students without the parameters mentioned above;
- Internal and external graduating students at Politecnico di Milano who have obtained at least 150 ECTS when their applications are submitted.

The following students are not eligible to access the Laurea Magistrale programme activated by the Design School:

- students who have graduated at the Politecnico di Milano's Design School with a score of **85/110** or lower;
- students who have graduated at the Politecnico di Milano's extra Design School with a score of **90/110** or lower;
- students graduated in other Italian Universities with a score of **95/110** or lower;

Students who fulfilled admission requirements in previous academic years but did not register for the programme will be required to conform to the new parameters when presenting new assessment applications.

Candidates will be assessed in accordance with the parameters set out in the "Laurea Magistrale Programme Admissions" document, available for consultation on the School Web site [www.design.polimi.it](http://www.design.polimi.it).

Candidates will be notified of fulfillment of the assessment requirement by the board in two forms: admission without supplementary educational requirements or admission with supplementary educational requirements.

In the latter cases enrolment will be complete only when the required supplementary educational requirements have been fulfilled. These supplementary requirements must be fulfilled within one year from the assessment application. Such students can supplement their studies by enrolling on single courses and Magistrale courses up to a maximum of 32 ECTS.

For admissions to the 2nd semester for students with supplementary educational requirements relating to the 1st semester, candidates will be required to apply again in the following semester.

To check your supplementary educational requirements, consult the "Laurea Magistrale Programme Admissions" document, available on the School Web site, [www.design.polimi.it](http://www.design.polimi.it).



In addition to educational course assessments, candidates' curricula and other educational or extra educational activities will be subjected to comparative evaluation.

The board can also require written and/or oral tests.

The School reserves the right to accept single course requirements for single topic and optional courses (note that for admission purposes no more than 32 Laurea Magistrale related ECTS can be recognised).

The admission for students fulfilling NV criteria will depend on the availability of places and will be guaranteed to one of the Laurea Magistrale programmes selected, but not necessarily their first choice. Supplementary educational requirements can also be required where students are applying to transfer from one Laurea Magistrale course to another.

Detailed information related to admission and enrolment is available on the Guidance and Counselling Office Web site,

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=4783](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=4783)

The educational offer at the Politecnico di Milano

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=5001](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=5001)

### 6.3. Deadlines

Places available for admissions:

- **Digital and Interaction Design LM**(Milan campus): 40

of which 15 are reserved for non EU students.

For the Laurea Magistrale admission time frames check the Laurea Magistrale Programmes Admissions Guide and the 2017/18 academic calendar.

How to become a student at Politecnico di Milano

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=2968](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=2968)

### 6.4. Tutoring and students support

The School has supplemented its information and guidance services for future students with the purpose of providing information on the teaching and educational contents of its programmes of study and clarifying future students educational objectives and potential career openings.

For students who are already enrolled at the School guidance activities designed to:

- help students remove any obstacles to their attendance and learning with initiatives tailored to individual student needs, attitudes and requirements;
- encourage a more active participation by students in the educational process.

A reference teacher/tutor has been selected for each study programme and he or she is the official reference point for any School guidance. The service is programme of study specific and deals in particular with:

- support services for students who require help in solving problems or clarifying concepts;
- approval and publishing texts relating to the presentation of laurea courses it represents;
- identification of student projects from each specific laurea course to be used as guidance tools at Open Days and on the School's official communication channels.

G u i d a n c e                      a n d                      C o u n s e l l i n g                      O f f i c e

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=37](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=37)

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[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=2168](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=2168)

## 7. Contents of the study Program

### 7.1. Programme requirements

To be eligible for the final examination of Laurea Magistrale, students must:

- To have accomplished 120 credits required in Level II of the Master including the credits related to the Internship and the credits of the final examination.
- To have developed an individual thesis under the guidance of a tutor, which can be either a projectable work, a theoretical-methodological deepening, or a historical/critical analysis.

The final examination of the Laurea Magistrale consists in the discussion of the individual thesis which must be written under the direction of the official teacher, thesis supervisor.

For more information on this subject refer to Regolamento Esame di Laurea Magistrale published on the School website.

### 7.2. Mode of study

The Laurea Magistrale course is full time activity. It is characterized by many different didactical activities: Monodisciplinary Courses are characterized by theoretic contents communicated by means of ex cathedra lessons and verified throughout the year with tests and interviews.

Integrative Courses cover more than one discipline or specific context, and are taught by two teachers who supplement one another.

Experimental Workshops are taught in the workshops, where the students are given an opportunity to experiment and use the tools used in design professions.

Design Studios involve both a number of internal teachers employed by the Faculty and several external professionals and feature design activities where the students work under the guidance of a team of teachers, each contributing with his or her expertise as related to the subject of the design.

Design Seminars (workshop) are of a duration of one week during which the students develop a project under the guidance of an established and well-known professional or a company.

Erasmus Program and the other international mobility projects enable the students to spend six months studying abroad, at qualified European and non-European design universities.

Professional Apprenticeship enable the student to work with a company or design studio that collaborates with the Polytechnic, under the guidance of a tutor of the Faculty and a tutor appointed by the company.

Conclusive Design Studio represents a complete design experience, linking numerous disciplinary contributions and guiding the students in the choice and development of their Dissertation.

The System Regulations require a series of educational activities (specialist, elective or supplementary) which are present in the course of study in the form of single subject and integrated courses and Design studio in which the Laurea Magistrale's educational content is conveyed.

In addition to these types of educational activities the System Regulations also require that a

specific number of credits are attributed to types of activity which can be categorised as follows:

- educational activities chosen independently by students (Optional courses);
- educational activities relating to preparation for the final exams required for the qualification to be awarded and foreign language assessment (Final exam and Language);
- activities designed to enable students to gain additional language skills, IT, telematic and relational skills which will help them in finding employment as well as educational activities designed to facilitate professional choices by giving students direct experience of working in the sector which the qualification can gain them access to including, in particular, educational work experience and guidance (Internships).

Below is a demonstration of the main characteristics of these activities.

#### Optional student courses

In the Laurea Magistrale programme 18 credits are awarded to optional courses.

Students are required to choose their optional courses on presentation of their first year study plans. Similarly when they present their second year study plans they will be required to choose a second course.

The optional courses take place in both 1st and 2nd semesters. Internships - Laurea Magistrale

In Laurea Magistrale students carry out an internship at a company, professional studio, study centre, body, etc. with a partnership agreement with the Politecnico di Milano which fulfils the requirements of current legislation specifying that, on completion of the agreed internship period (minimum 250 hrs, maximum 1 year) a certificate will be issued.

Such internships can be incorporated into students' study plans in either the 1st or the 2nd year of study depending on the organisation of the student's course of study.

Internship is an educational experience which gives students real experience of the world of work. The host company must be aware of and agree to the legal regulations and the need for educational support and the student must accept and show an ability to respect the company's rules and behaviours.

For additional information on how to draw up a study plan, educational priorities,

attendance requirements and exam sessions, etc., you are advised to consult the document "Implementing Norms for Educational Regulations" available for consultation on the School's site.

### 7.3. Detailed learning objectives

Students' ability to choose the courses and credits to be incorporated into their study plans is subordinate to a series of rules imposed by the School which makes available an educational programme worth 60 credits for each year of the course (nominal courses).

Each year students can choose courses for a different number of credits than that specified by the nominal courses (60 ECTS per year) to graduate their study programmes according to their needs. The minimum number of credits a student can enrol on is 30 unless the number of credits needed for course completion are fewer than this.

The maximum number of credits a student can enrol on is 80, respecting exam priorities.

The current framework of the study plan requires the course exam sequence to be respected as shown in the Regulations.

Courses designed for later years of the programme cannot be inserted into an earlier year study plan ("advance study") unless all previous and current year courses have also been integrated into it.

The School has also implemented an exam priority sequence on the basis of which certain courses can only be enrolled on if other, introductory courses have already been passed. Students may actually be able to enrol on fewer credits than is nominally the case as a result of this rule.

The System Regulations require a series of educational activities (specialist, elective or

supplementary) which are present in the course of study in the form of single subject and integrated courses and Design studio in which the two-year Laurea Magistrale's educational content is conveyed.

#### Laurea Magistrale





In addition to these types of educational activities the System Regulations also require that a specific number of credits are attributed to types of activity which can be categorised as follows:

- educational activities chosen independently by students (Optional courses);
- educational activities relating to preparation for the final exams required for the qualification to be awarded (Final exam);
- activities designed to enable students to gain additional language skills, IT, telematic and relational skills which will help them in finding employment as well as educational activities designed to facilitate professional choices by giving students direct experience of working in the sector which the qualification can gain them access to including, in particular, educational work experience and guidance (Internships).

### 1 Year courses - Track: DID - Digital and Interaction Design

Code	Act type	SSD	Course Title	Language	Sem	Credits (CFU)	CFU Group
051465	B,C	ICAR/13 M-DEA/01	BASIC OF INTERACTION DESIGN	EN	1	6.0	6.0
051468	B	ICAR/13 ING-INF/05	HARDWARE & SOFTWARE TECHNOLOGIES FOR DESIGN	EN	1	6.0	6.0
051471	B,C	ICAR/13 ING-INF/06	USER CENTRED DESIGN WORKSHOP	EN	2	6.0	6.0
051611	B,C	ICAR/13 INF/01	UX-DESIGN	EN	1	6.0	6.0
051475	B	M-FIL/04	DIGITAL ART	EN	2	6.0	6.0
051474	B	ING-IND/15	VIRTUAL AND PHYSICAL PROTOTYPING	EN	2	6.0	6.0
Courses defined on the not diversified (***) program, common to all specialization options							

### 1 Year courses - Track: \*\*\* - offerta comune

Code	Act type	SSD	Course Title	Language	Sem	Credits (CFU)	CFU Group
051607	B	ICAR/13 ICAR/16	EPHEMERAL/TEMPORARY SPACES	EN	1	12.0	12.0 (Grp. Opz.)
051608	B	ICAR/13 ING-IND/15	PRODUCT DEVELOPMENT STUDIO	EN	1	12.0	
051609	B	ICAR/13	INTERACTIVE FASHION STUDIO	EN	1	12.0	
051614	B	ICAR/13	DIGITAL DESIGN STUDIO (PRODUCT ORIENTED)	EN	2	12.0	12.0 (Grp. Opz.)
051615	B	ICAR/13	DIGITAL DESIGN STUDIO (COMMUNICATION ORIENTED)	EN	2	12.0	
051616	B	ICAR/13	DIGITAL DESIGN STUDIO (DESIGN & ENGINEERING ORIENTED)	EN	2	12.0	
051465	--	--	 BASIC OF INTERACTION DESIGN		1	6.0	6.0
051468	--	--	 HARDWARE & SOFTWARE TECHNOLOGIES FOR DESIGN		1	6.0	6.0
051471	--	--	 USER CENTRED DESIGN WORKSHOP		2	6.0	6.0
051703	--	--	 [META] UX-DESIGN		1	6.0	6.0
051475	--	--	 DIGITAL ART		2	6.0	6.0
051474	--	--	 VIRTUAL AND PHYSICAL PROTOTYPING		2	6.0	6.0

## 7.4. Foreign language

Foreign language assessment will be carried out in accordance with the university's methods as set out on the "Student Services/Guides and Regulations/Guide to the English Language" web page [www.polimi.it](http://www.polimi.it).

Students are encouraged to read this document carefully and respect the norms set out in it.

Specifically, note that: "Pursuant to Ministerial Decree 270/04 the Politecnico di Milano has adopted the English language as the European Union language which students must speak in addition to Italian".

**English language** fluency, according to the standards indicated by the university, is a registration pre-requisite. For admission to the **School of Design Laurea Magistrale Programme certificates must be submitted by candidates within the time frames for admission applications. This deadline must be respected by all students (from similar or different courses)**

I n f o r m a t i o n   o n   E n g l i s h   l a n g u a g e   f l u e n c y

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=3860](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=3860)

Language courses

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=3048](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=3048)

## 7.5. Degree examination

Pursuant to Ministerial Decree 270/04, article 11, subsection 5 the final exam for the LM in Interior Design consists of the preparation of a thesis by students under the guidance of a supervisor.

The thesis must be experimental and original and can lead to design or theoretical and historical-critical outcomes. In both cases theses must contain a methodological foreword illustrating its disciplinary foundations, arguments and the knowledge framework within which the research in it has been carried out and show which elements constitute original contributions by the candidate.

The thesis must be written and discussed in Italian and have an English language abstract.

For wholly English sections theses can be drawn up, presented and discussed in English alone.

The thesis must complete the student's educational course of study. It must be an individual work which can, however, be based on structured activities carried out together with other students. The individual candidate's contribution must, however, be clearly recognisable in the final outcome.

For information on the Laurea Magistrale Exam and Thesis writing procedures you are advised to consult the "Laurea Magistrale Exam Regulations" published on the School's site

Information concerning general rules and regulations, session calendars, registration and consignment of theses is available at

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=3128](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=3128)

## 8. Academic calendar

The Laurea Magistrale programme calendar is structured into two semesters and students can enrol at the beginning of either semester. Thus studies can begin in either the first or the second semester

of each academic year. The course is structured in order to enable students to complete the programme in four semesters whether first year Laurea Magistrale enrolment takes place in the first or second semesters.

An exam period takes place at the end of each semester (exam).

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Academic calendar

[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=3208](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=3208)

## 9. Faculty

The names of professors for each Course, together with their subject, will be available on the degree programme starting from the month of September.

The degree programme is annually published on the website of Politecnico di Milano.

## 10. Infrastructures and laboratories

Design Laboratories

The creation of large scale laboratories supporting design education is coherent with the Politecnico di Milano School of Design's tradition of experimentation, its inductive teaching model, in which 'knowledge' and 'know-how' are mutually supportive.

The purpose of these laboratories is the practice of activities which allow students to verify their design hypotheses and learn how to use the technical tools required for experimentation, representation and design communication.

The laboratories managed by the Design Department occupy an approximately 10,000 square metre space in the Milan Bovisa campus.

The Politeca, an integrated documentation system for design research, is an integral part of the laboratories.

For details on the laboratories

<http://www.dipartimentodesign.polimi.it/laboratori/i-laboratori>

[www.politeca.polimi.it](http://www.politeca.polimi.it)

## 11. International context

Building an international dimension for the School of Design has been one of its priority objectives since it was founded in the year 2000.

There are many reasons for this: the nature of design which inherently draws its very lifeblood from its multicultural and multi-local character, its proximity to both the world of manufacturing - which has now taken on a global dimension - and the sphere of consumption whose dynamics and tendencies are visible in a range of local specific contexts; the very DNA of the design community which has always been international; Milan's acknowledged status as design capital, a crucible for designers from all over the world who have come here to study or open a studio; the desire to make

educational trajectories increasingly permeable to impulses deriving from this stimulating context as in other dynamic foreign contexts. For the School of Design internationalisation has a two-fold meaning: supporting student (and teaching and technical staff) mobility outwards and the opposite, attracting students, researchers, professors and visiting professors into the Politecnico from abroad. In relation to these two internalisation channels (dealt with separately, the first in this chapter and the second in the subsequent chapter) the School of Design has committed itself in recent years to enlarging its international contact network and it now works with 300 design universities the world over in Erasmus exchange programmes (with 150 European universities), bilateral exchange projects (with 70 non European universities), joint workshops with other schools, international internships and so on.

To these should be added more highly structured activities which aim to consolidate partnership relationships in the educational and research fields with a number of selected universities. This is the case of the MEDes\_Master of European Design training for excellence programme (with 7 university partners) in addition to the many international research programmes under way. The School of Design is a member of Cumulus, a network of International design schools, and of the main international design associations. Like the city which hosts it - Milan is a veritable international design laboratory - the Politecnico's School of Design aims to be a meeting place between different cultures, between education, industry and the professions, in which professors, entrepreneurs and celebrated designers from all over the world take an active part in the students' educational experience.

## **12. Internationalization**

### **International exchanges**

The School of Design takes part in international student exchange programmes which offer students the opportunity to go abroad for a period of study at one of the Politecnico's partner universities. A list of the School's partner universities is available on the Politecnico's website and on the School of Design website in the Internationalisation Area.

### ***The Erasmus Programme***

The Erasmus programme was set up in 1987 by the European Community to give students the chance to carry out a period of study at a foreign university within the European Union from 3 to 12 months legally recognised by their own university, at Bachelor or Master level.

In 2014 the European Union's Erasmus+ programme was set up for education, training, youth and sport in the 2014-2020 period.

Specifically Erasmus for study enables university students to carry out a period of study at a university with a partnership agreement with their own university. This mobility can entitle students to a grant (under the conditions set out in the international mobility tender) and free registration at the host university. Students can thus follow courses and take exams at the partner university and have the exams recognised at their own universities.

### ***Bilateral exchanges***

The School of Design has also activated a number of bilateral agreements with non EU universities. These are mainly intended for the use of Laurea Magistrale students and can also be applied for by those who have already carried out an Erasmus period abroad during their three year study course. The procedures for admission to such exchanges are the same as those for Erasmus exchanges with the exception of the study scholarship which is not guaranteed in such cases.

The bilateral agreement, in fact, enables students to attend a period of study abroad at a partner university without incurring registration fees at such universities. In some cases, however, a

management fee for exchange students is payable (e.g. Orientation fee).

**Master of European Design (MEDes)** In the 2002/2003 academic year a specific 5 year programme was set up at the School of Design.

This international study programme, promoted and designed by the school together with a further five prestigious European design universities and formalised in an agreement signed by all university partners, entitles students to an additional qualification on top of the Laurea Magistrale granted by the Politecnico di Milano. Students can graduate only from their own universities.

In addition to the Politecnico di Milano the universities taking part in this programme are:

The Glasgow School of Art, *Glasgow, Scotland*

Aalto University, School of Arts, Design and Architecture, *Helsinki, Finland*

Konstfack University College of Arts, *Stockholm, Sweden*

Ensci Les Ateliers, *Paris, France*

KISD - Köln International School of Design, *Cologne, Germany*

Universidade de Aveiro, *Aveiro, Portugal*

5 students are selected for this programme of excellence from all those enrolled on the 2nd year of the Laurea programmes in Industrial Product Design, Interior Design and Communication Design.

Candidates for the MEDes programme carry out two study periods at two partner universities:

\_one in the 3rd year of the level I Laurea;

\_the other in the 1st year of the Laurea Magistrale.

The choice of university will be made on the basis of student preferences and the Board of MEDes.

### **DOUBLE DEGREE laurea**

The School of Design has set up a number of Double Degrees at Master level

These programmes entitle students to a double Laurea Magistrale title issued by the Politecnico di Milano and its partner school on completion of a common programme involving an exchange.

Master Theses can be drawn up, presented and discussed in English.

### **Thesis abroad**

Students in the 2nd year of Laurea Magistrale program may develop a part of their thesis abroad. This can be done in the following ways:

-through the Erasmus program and/or Bilateral exchange outside Europe including specific courses in the Study Plan, agreed on with your supervisor, that are useful to the development of your thesis or with a co-supervisor from the partner university depending on availability, who co-ordinates with your supervisor at the School of Design.

-with co-supervision from the other university, organized autonomously and without joining an exchange program. In this case the student must communicate his/her intentions in advance to the Relé office of the School of Design, which will formalize the procedure.

-Applying to the Public Call from Politecnico to have a scholarship for doing the thesis abroad.

### **In-course Internship/job placement**

The in-course internship envisaged for the 2nd year of the Laurea Magistrale may be carried out abroad by:

- applying to the **R.A.P** service (*Company and Professions relations*)

- *joining the Erasmus/extra UE programmes, if available in the partner schools, or by activating a collaboration with professional practices, or through attending courses (design studio based) or workshop as per the same amount of hours.*

- *Answering to the Call “Erasmus for Traineeship” to obtain scholarships to make the internship within the European Union.*

- *Making the internship within the exchange mobility substituting it with project courses that amount at least 250 hours.*

Information on exchange programmes, double degree projects and international internships,



European research and international relations projects are available at  
[https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id\\_servizio=204&idApp=1&idLink=4709](https://aunicalogin.polimi.it/aunicalogin/getservizio.xml?id_servizio=204&idApp=1&idLink=4709)

### **13. Quantitative data**

The Didactic Observation Unit and the Evaluation Nucleus perform periodic analysis on the overall results analysing the teaching activities and the integration of graduates into the work world. Reports and studies are available on the website of the Politecnico di Milano.

### **14. Further information**

Only the original in Italian is valid.

### **15. Errata corrige**

No contents for this section.