



POLITECNICO  
MILANO 1863

SCUOLA DEL DESIGN

# ELECTIVE COURSES GUIDE

MASTER DEGREES  
A.A. 2022–2023

DESIGN &  
ENGINEERING

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MASTER DEGREES  
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# INTRODUCTION

**In the Master's degree programme, you can customise your study plan. You can indicate your preferences for the Final Synthesis Studio (if more than one section is planned) and for the the elective courses.**

**The elective courses are part of the mandatory teaching programme, and are included in the study plan in order to achieve the CFUs required to graduate. With the elective courses, you can personalise your pathway and explore topics of interest to you in greater depth.**

**Free-choice courses are offered in the 1st and/or 2nd year for all Master's degree courses. When submitting your study plan, you will have to indicate, in order of preference, 5 courses.**

**The School will then allocate you on the basis of a merit ranking.**

## HOW MANY TO CHOOSE?

One in the 1st year and 1 in the 2nd year for Integrated Product (IPD), Communication Design (COM), Design for the Fashion System (MOD), Design & Engineering (D&E).

Two in the 2nd year for Interior and Spatial Design (INT), Product Service System Design (PSSD), Digital and Interaction Design (DID).

## HOW TO CHOOSE?

Before choosing, check: syllabuses and pre-requisites for each course, presentation videos or detailed programs published on the Manifesti on line page.

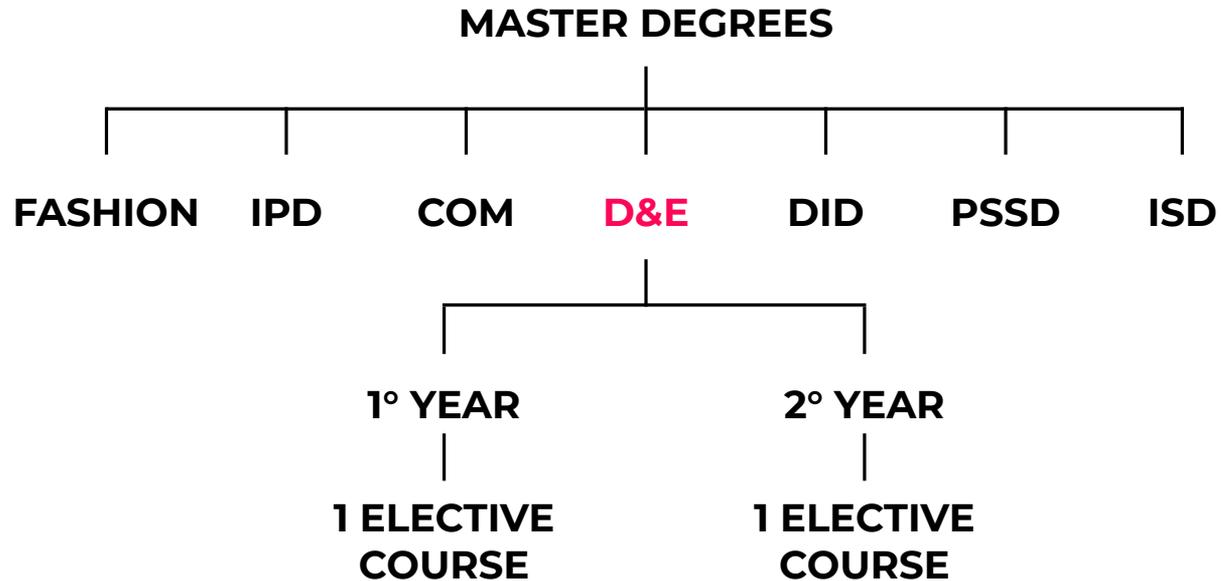
Check the details for each course: semester in which it is offered, language, timetable and available places.

**Following your allocation, the School sets aside a period of one week in which you can request a change to the course of your choice in which you have been allocated: to do this, you must send a mail under "optional courses - workshops".**

**The announcement of available places for change requests is published on the Scuola del Design website once the allocation process has been completed.**

**WATCH THE VIDEO:  
"SCEGLI I TUOI CORSI  
A SCELTA"**

# ELECTIVES SCHEME



# ELECTIVE COURSES LIST



SPECIALISED SKILLS	INTERNATIONAL WORKSHOP	2° sem	ENG	
	SUSTAINABILITY STRATEGIES AND DESIGN	2° sem	ENG	
TECHNICAL & ENGINEERING SKILLS 	ADDITIVE MANUFACTURING	1° sem	ENG	
	IL METODO DEGLI ELEMENTI FINITI PER L 'ANALISI DEI PRODOTTI INDUSTRIALI	2° sem	ITA	
	NANOTECNOLOGIE E MATERIALI FUNZIONALI PER IL DESIGN	2° sem	ITA	
	REVERSE MODELING	2° sem	ENG	
	VIRTUAL AND PHYSICAL PROTOTYPING	2° sem	ENG	
	METHODS FOR ENGINEERING DESIGN	2° sem	ENG	
	FUNDAMENTALS OF ELECTRONICS FOR DESIGN	2° sem	ENG	

DIGITAL SKILLS	METODI DI RAPPRESENTAZIONE PARAMETRICA	1° sem	ITA	
CRITICAL THINKING SKILLS	DESIGN RESEARCH PLANNING (only 2nd year)	2° sem	ENG	
	LITERATURE REVIEW & SCIENTIFIC WRITING (only 2nd year)	2° sem	ENG	

# AMBASSADOR\*

FOR THE COURSE DETAILS OF THE AMBASSADOR PROGRAMME,  
PLEASE CONSULT THE FOLLOWING [LINK](#)

# AMBASSADOR

***Green Technologies***

***Smart Infrastructures***

***Inclusivity Design***

Within the context of the interuniversity framework project “Tecnologie delle Transizioni”, Politecnico di Milano wants to activate high-level training courses aimed at creating new professional figures in Green Technologies and Smart Infrastructures that:

- **have skills in specific areas consistently with the training project (green/smart);**
- **acquire enabling digital technologies in line with the profile;**
- **master interdisciplinary tools, methods, and aptitude for a systemic vision;**
- **develop talent to operate in interdisciplinary and multisectoral contexts, through exposure, even in teams, to case studies and challenges.**

The project is therefore a “meta-path” of the Master’s Degree, that integrates the programmes already offered and assigns additional credits, which certify the acquisition of transversal skills in certain thematic areas, specifically in the field of “Green Technologies” and “Smart Infrastructures”.

<https://www.design.polimi.it/en/teaching/educational-offer/ambassador-courses>