



**POLITECNICO**  
MILANO 1863

SCUOLA DEL DESIGN

# AMBASSADOR PATH

Green Technologies  
Smart Infrastructures  
Inclusivity Design  
Creative Thinking

Masters degree  
A.A. 2023-2024

# INDEX

|    |                                |
|----|--------------------------------|
| 04 | The Path: WHAT & WHICH         |
| 10 | MSc Program                    |
| 11 | Integrated Product Design      |
| 14 | Interior and Spatial Design    |
| 17 | Communication Design           |
| 20 | Design for the Fashion System  |
| 23 | Design & Engineering           |
| 26 | Product Service System Design  |
| 29 | Digital and Interaction Design |
| 32 | Application                    |



# The Path: WHAT & WHICH



# THE PATH

## WHAT is

**High-level training courses** aimed at creating new professional figures in **GREEN TECHNOLOGIES**, **SMART INFRASTRUCTURES**, **INCLUSIVITY DESIGN** and **CREATIVE THINKING**

## WHAT for

creating new professional figures that:

- have skills in specific areas of the training project (green/smart/inclusivity/creative)
- 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 acquired through exposure, even in teams, to case studies and challenges

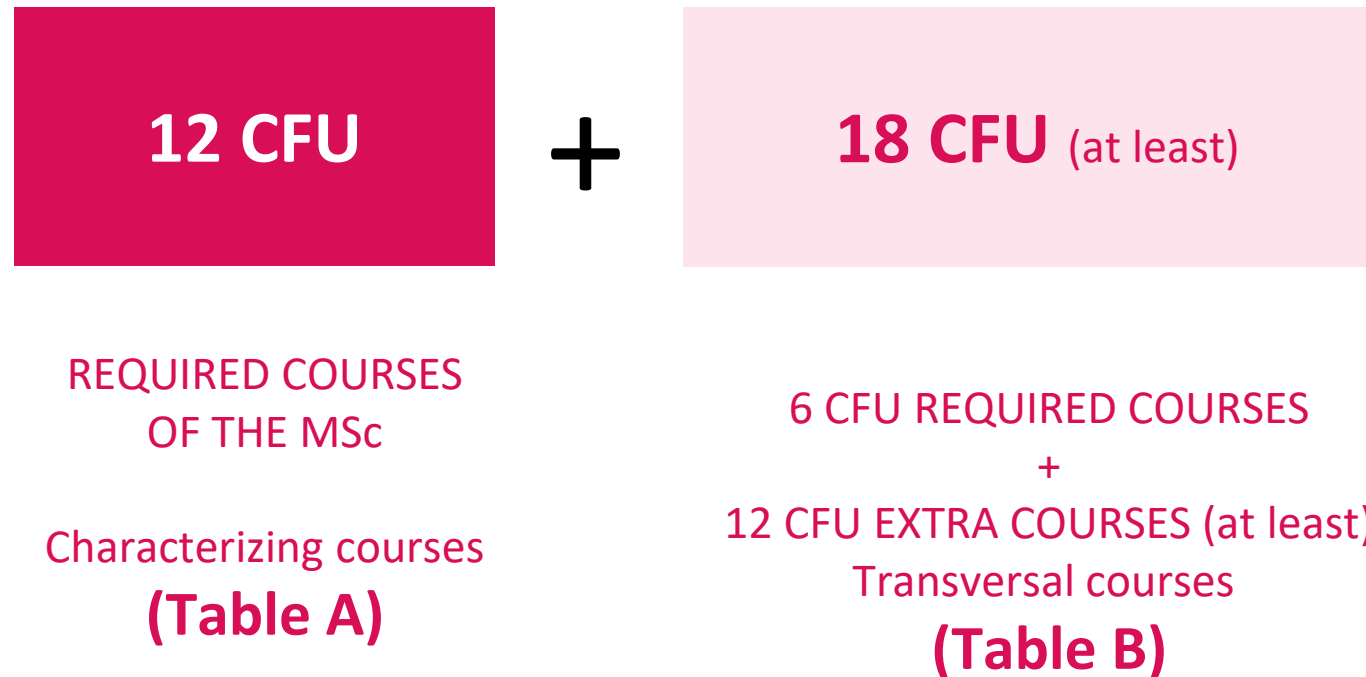
# WHICH AMBASSADOR BY MSc PROGRAM

| MSc PROGRAM                    | GREEN TECHNOLOGIES | SMART INFRASTRUCTURES | INCLUSIVITY DESIGN | CREATIVE THINKING |
|--------------------------------|--------------------|-----------------------|--------------------|-------------------|
| INTEGRATED PRODUCT DESIGN      | X                  | X                     |                    | X                 |
| INTERIOR AND SPATIAL DESIGN    | X                  |                       | X                  |                   |
| COMMUNICATION DESIGN           |                    | X                     | X                  |                   |
| DESIGN FOR THE FASHION SYSTEM  | X                  | X                     |                    |                   |
| DESIGN & ENGINEERING           | X                  | X                     |                    | X                 |
| PRODUCT SERVICE SYSTEM DESIGN  |                    | X                     | X                  |                   |
| DIGITAL AND INTERACTION DESIGN | X                  |                       |                    |                   |

# HOW

Study plan of at least **132 CFU** (120 + at least 12 CFU extra courses)

**30 credits Green or Smart or Inclusive or Creative**



*The specific Ambassador certification will be reported in the Student's Diploma Supplement and a digital badge will be issued by Politecnico di Milano.*

# STUDY PLAN – Table A

The mandatory specialized course shown in **Table A** provides Green/Smart/Inclusivity/Creative skills.

Students must include it when submitting the Study Plan, within the deadline defined by the academic calendar.

If the course has a limited number of admissions, in the allocation process, priority will be given to students who have applied for the Ambassador path.

In case of a high number of applications, it will be necessary to balance the students among the different sections.

# STUDY PLAN – Table B

At least 18 CFU must be selected from **Table B** transversal courses: of these, 6 CFU must be “Required courses” (they will be counted to reach the 120 CFU required to earn the degree). The additional 12/14 CFUs must be included as “Extra courses”.

Students can include the “Required” course when submitting the 2nd year Study Plan within the deadlines of the academic calendar and it will count as the 2nd year elective course; the other two Table B “Extra” courses can be included either in the 1st or in the 2nd year Study Plan, selecting them from the "Extra" section of the Study Plan Submission application.



# STUDY PLAN – Table B

Table B courses run by the School of Design will also show in the elective list offered to all students, but if the course has a limited number of admissions, priority will be given to the Ambassador students. In case of a high number of applications, it will be necessary to balance the students among the different sections.

Table B electives run by other Schools will show only in the special 2nd year Table B. This Table B is displayed only after enrollment in the Ambassador Path, therefore these courses will be offered only to students registered for the Ambassador path.

# MSc PROGRAM



# INTEGRATED PRODUCT DESIGN



# INTEGRATED PRODUCT DESIGN

≥ 132 CFU **SMART**  
132 CFU **GREEN**  
132 CFU **CREATIVE**

## 1st YEAR

### 1st semester

6 cfu  
Strategic Design (Ita or  
Eng) - **CREATIVE**  
(Table A)

### 2nd semester

12cfu  
Concept Design  
Studio - **SMART**  
(Table A)

12cfu  
Concept Design  
Studio - **GREEN**  
(Table A)

6 cfu  
Design Future (Ita or  
Eng) - **CREATIVE**  
(Table A)

6cfu

1st Required Elective Course (Table B)  
*It's recommended to insert it in the 1st year*

## 2nd YEAR

### 1st semester

### 2nd semester

6cfu  
2nd Required Elective Course  
*This course doesn't need to be from Table B*

12 cfu or more  
Extra courses  
(Table B)

# INTEGRATED PRODUCT DESIGN

## GREEN TECHNOLOGIES

TABLE B

- CIRCULAR ECONOMY BUSINESS MODELS
- COLLABORATIVE INNOVATION FOR SUSTAINABILITY AND IMPACT
- DE-MANUFACTURING
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- MANAGEMENT FOR SUSTAINABILITY AND IMPACT
- PRODUCT LIFE CYCLE MANAGEMENT
- SUSTAINABILITY STRATEGIES AND DESIGN
- SUSTAINABLE AND CIRCULAR MATERIALS FOR DESIGN

## SMART INFRASTRUCTURES

TABLE B

- ADVANCED USER INTERFACES
- COMPUTATIONAL VISUAL DESIGN
- DATA MANAGEMENT FOR THE WEB
- DESIGN AND ROBOTICS
- DESIGN FOR DIGITAL TRANSFORMATION
- DIGITAL BUSINESS
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- DIGITAL TECHNOLOGY
- MULTIDISCIPLINARY PROJECT
- PROJECT MANAGEMENT: PRINCIPLES & TOOLS
- SMART CITIES AND URBAN INNOVATION

## CREATIVE THINKING

TABLE B

- DESIGN FOR DIGITAL TRANSFORMATION
- DESIGN FOR INCLUSION
- DESIGNING AND TESTING FOR INCLUSIVITY
- DIGITAL DESIGN PLAYGROUND
- DIGITAL STRATEGY
- EVENT DESIGN
- EXTENDED REALITY FOR CREATIVITY IN DESIGN
- SUSTAINABILITY STRATEGIES AND DESIGN
- TREND FORECASTING AND STRATEGIC INNOVATION

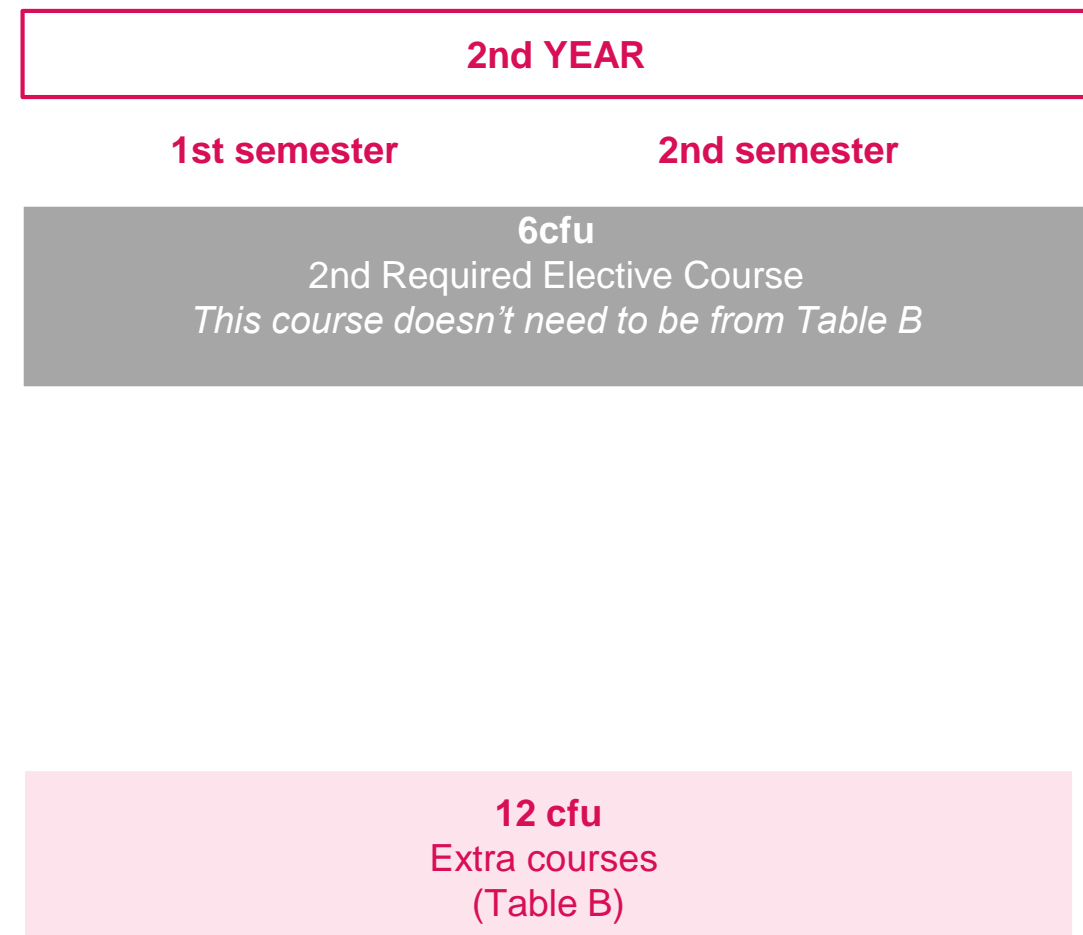
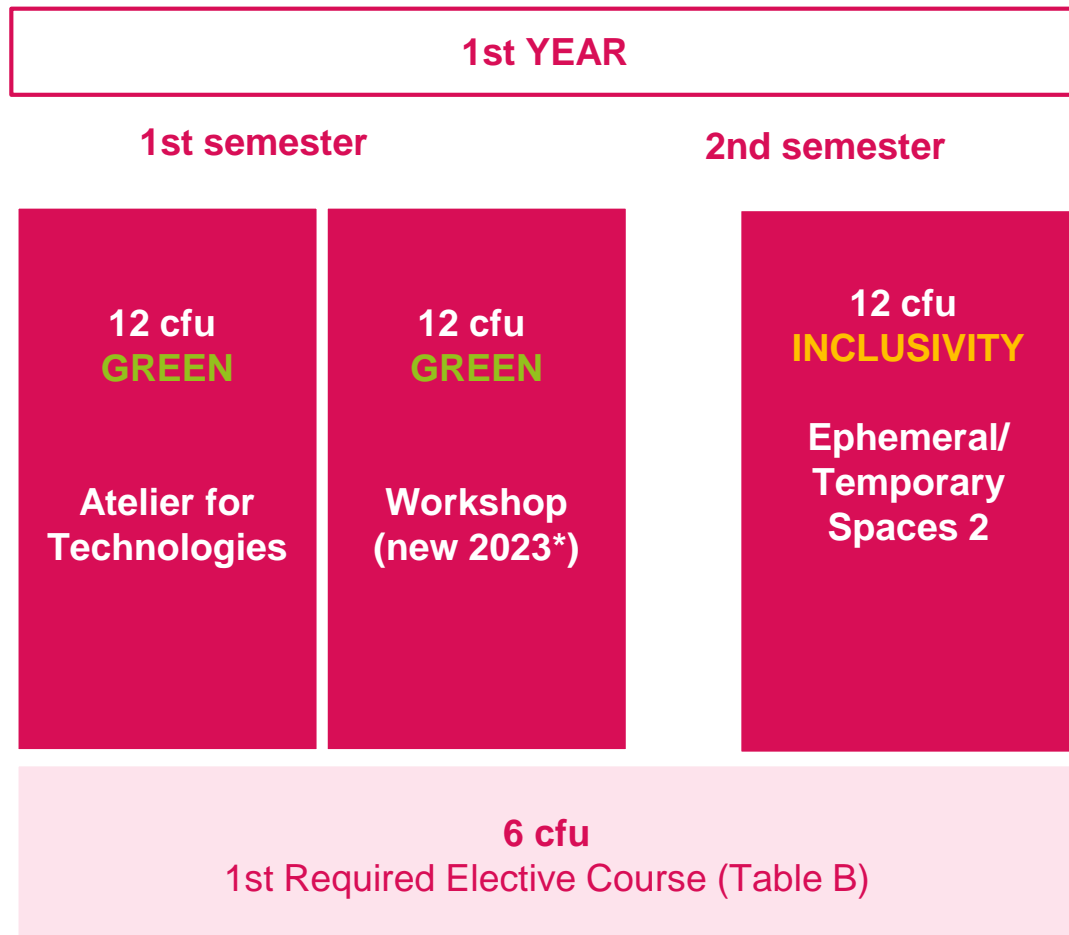
# INTERIOR AND SPATIAL DESIGN



# INTERIOR AND SPATIAL DESIGN

**132 CFU GREEN**

**132 CFU INCLUSIVITY**



\*) Only for students who will take the new workshop activated in 2023/24

# INTERIOR AND SPATIAL DESIGN

## GREEN TECHNOLOGIES

### TABLE B

- DESIGN OF ULTRA-LIGHTWEIGHT BUILDING SYSTEM
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- FESTINALENTE: PIANIFICAZIONE E PROGETTAZIONE DI LINEE LENTE CICLABILI E CAMMINABILI
- PRINCIPI DI ARCHITETTURA SOSTENIBILE
- SUSTAINABILITY STRATEGIES AND DESIGN
- SUSTAINABLE AND CIRCULAR MATERIALS FOR DESIGN

## INCLUSIVITY DESIGN

### TABLE B

- COLLABORATIVE INNOVATION FOR SUSTAINABILITY AND IMPACT
- DESIGN DELLA COMUNICAZIONE E CULTURE DI GENERE
- DESIGN FOR INCLUSION
- DESIGN FUTURES (ita-eng)
- DESIGNING AND TESTING FOR INCLUSIVITY
- INNOVATION IN HEALTH AND SOCIAL CARE
- IC URBAN ETHNOGRAPHY
- SOCIOLOGY OF THE CITY
- TEMPORARY AND INCLUSIVE URBAN SOLUTIONS



# COMMUNICATION DESIGN



# COMMUNICATION DESIGN

**132 CFU SMART**  
**≥ 132 CFU INCLUSIVITY**

## 1st YEAR

1st semester

2nd semester

12 cfu  
**SMART**

Lab. Sistemi per  
l'Interazione C1  
or C2  
or  
Interaction  
Design Studio  
C3

12 cfu  
**INCLUSIVITY**

Lab.  
Progettazione di  
artefatti e  
sistemi  
comunicativi –B

6 cfu

1st Required Elective Course (Table B)  
It's recommended to insert it in the 1st year

## 2nd YEAR

1st semester

2nd semester

6cfu

2nd Required Elective Course  
*This course doesn't need to be from Table B*

12 cfu ore more  
Extra courses  
(Table B)

## SMART INFRASTRUCTURES

TABLE B

- ADVANCED USER INTERFACES
- COMPUTATIONAL VISUAL DESIGN
- DATA MANAGEMENT FOR THE WEB
- DESIGN AND ROBOTICS
- DESIGN FOR DIGITAL TRANSFORMATION
- DIGITAL BUSINESS
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- DIGITAL TECHNOLOGY
- MULTIDISCIPLINARY PROJECT
- PROJECT MANAGEMENT: PRINCIPLES & TOOLS

## INCLUSIVITY DESIGN

TABLE B

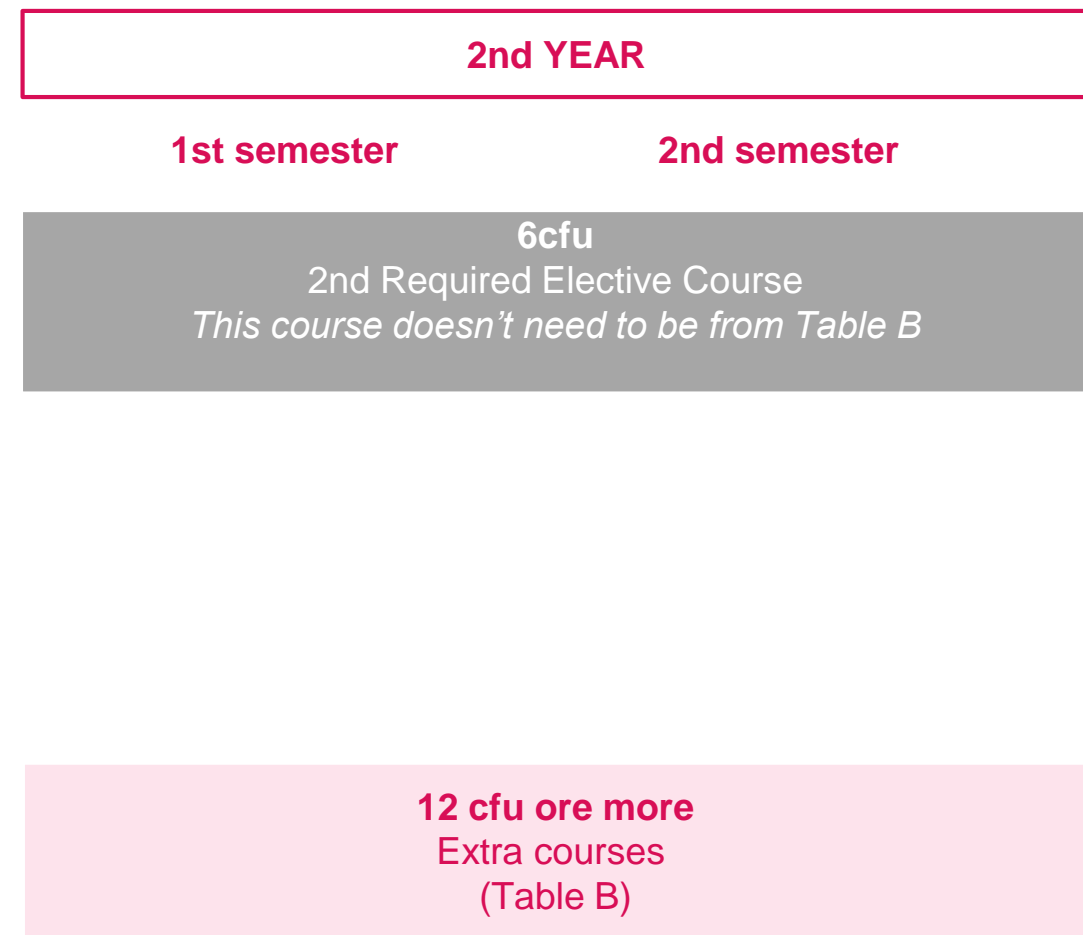
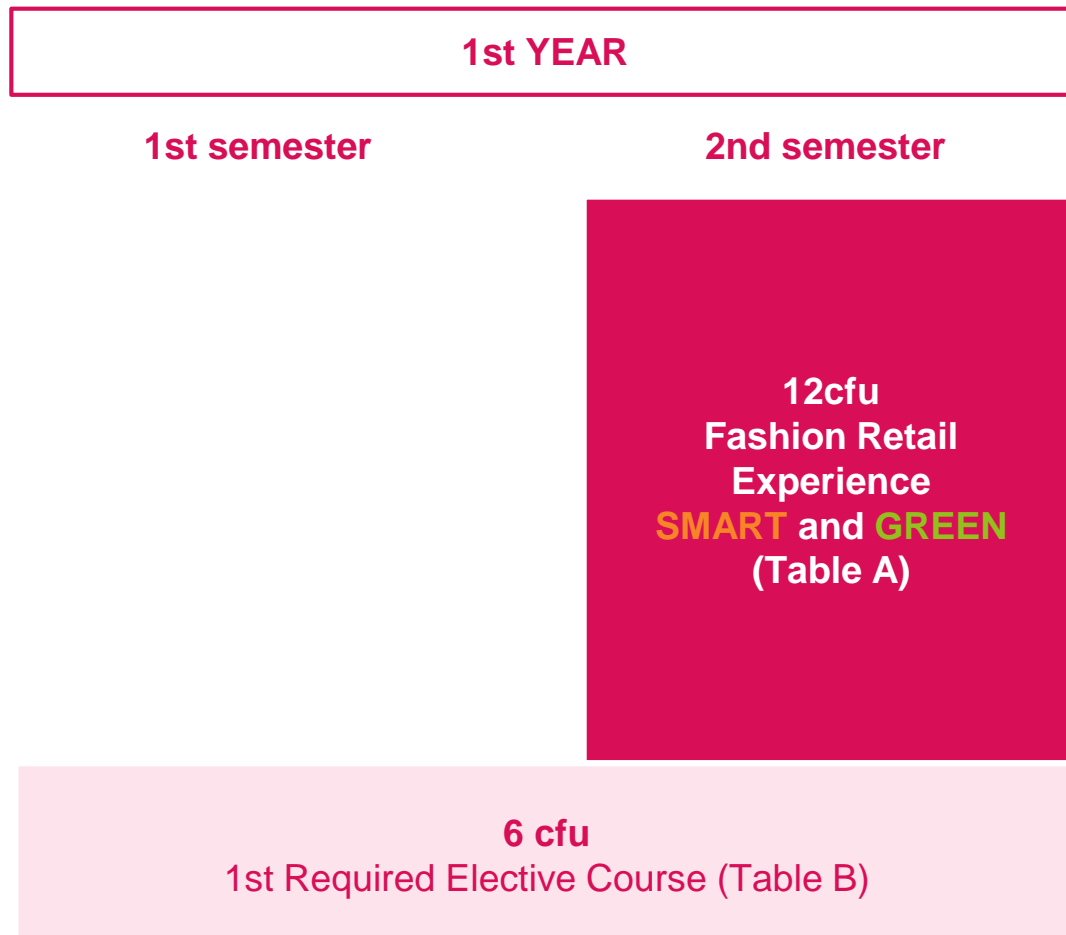
- DESIGN DELLA COMUNICAZIONE E CULTURE DI GENERE
- DESIGN FOR INCLUSION
- DESIGNING AND TESTING FOR INCLUSIVITY
- IC URBAN ETHNOGRAPHY
- INCLUSIVE DIGITAL TECHNOLOGIES
- INNOVATION IN HEALTH AND SOCIAL CARE
- PENSIERO CREATIVO
- SOCIOLOGY OF THE CITY
- TEMPORARY AND INCLUSIVE URBAN SOLUTIONS

# DESIGN FOR THE FASHION SYSTEM



# DESIGN FOR THE FASHION SYSTEM

**132 CFU SMART**  
**≥ 132 CFU GREEN**



# DESIGN FOR THE FASHION SYSTEM

## GREEN TECHNOLOGIES

TABLE B

- CIRCULAR ECONOMY BUSINESS MODELS
- COLLABORATIVE INNOVATION FOR SUSTAINABILITY AND IMPACT
- DEVELOPMENT ECONOMICS
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- MANAGEMENT FOR SUSTAINABILITY AND IMPACT
- METHODS AND TOOLS FOR SYSTEMATIC INNOVATION C - INNOVATION AND INTELLECTUAL PROPERTY MANAGEMENT (I.C. MODULE)
- SUSTAINABILITY STRATEGIES AND DESIGN
- SUSTAINABLE AND CIRCULAR MATERIALS FOR DESIGN

## SMART INFRASTRUCTURES

TABLE B

- ADDITIVE MANUFACTURING
- ADVANCED USER INTERFACES
- COMPUTATIONAL VISUAL DESIGN
- DATA MANAGEMENT FOR THE WEB
- DESIGN AND ROBOTICS
- DESIGN FOR DIGITAL TRANSFORMATION
- DIGITAL BUSINESS
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- DIGITAL TECHNOLOGY
- EXTENDED REALITY FOR CREATIVITY IN DESIGN
- FUNDAMENTALS OF ELECTRONICS FOR DESIGN
- INTERNET OF THINGS
- MULTIDISCIPLINARY PROJECT
- VIRTUAL AND PHYSICAL PROTOTYPING

# DESIGN & ENGINEERING



# DESIGN & ENGINEERING

132 CFU **SMART**

132 CFU **GREEN**

132 CFU **CREATIVE**

1st YEAR

1st semester

2nd semester

12 cfu  
**SMART**

12 cfu  
**GREEN**

12 cfu  
**CREATIVE**

Product  
Development  
Design Studio  
1

Materials  
Selection  
Criteria in  
Design &  
Engineering

Product  
Development  
Design Studio  
2

6 cfu

1st Required Elective Course (Table B)

2nd YEAR

1st semester

2nd semester

6cfu

Required Elective Course

*This course does not have to be Table B*

12 cfu

Extra courses  
(Table B)



# DESIGN & ENGINEERING

## GREEN TECHNOLOGIES

### TABLE B

- DE-MANUFACTURING
- INTERNATIONAL WORKSHOP
- SUSTAINABILITY STRATEGIES AND DESIGN
- SUSTAINABLE AND CIRCULAR MATERIALS FOR DESIGN
- SUSTAINABLE MANUFACTURING

## SMART INFRASTRUCTURES

### TABLE B

- ADDITIVE MANUFACTURING
- ADVANCED USER INTERFACES
- DESIGN AND ROBOTICS
- DESIGN FOR DIGITAL TRANSFORMATION
- FUNDAMENTALS OF ELECTRONICS FOR DESIGN
- VIRTUAL AND PHYSICAL PROTOTYPING

## CREATIVE THINKING

### TABLE B

- ADDITIVE MANUFACTURING
- CREATIVITY FOR SUSTAINABLE DESIGN
- CRITICAL THINKING
- DESIGN METHODS
- EXTENDED REALITY FOR CREATIVITY IN DESIGN
- STRATEGIC INNOVATION
- TECHNOLOGY FORECASTING AND RESEARCHING FUTURE
- VISION AND CHANGE

# PRODUCT SERVICE SYSTEM DESIGN



# PRODUCT SERVICE SYSTEM DESIGN

≥ 132 CFU **SMART**  
132 CFU **INCLUSIVITY**

## 1st YEAR

1st semester

12 cfu  
**INCLUSIVITY**  
Innovation  
Design Studio  
(Table A)

6 cfu  
**SMART**  
Digital  
Innovation for  
Customer  
Experience  
Design

Elective  
course to be  
advanced to  
1st year  
(Table A)

2nd semester

6 cfu  
**SMART**  
Service  
Design and  
Innovation  
Smart  
Service  
(Table A)

## 2nd YEAR

1st semester

6 cfu  
Required Elective Course  
*This course does not have to be Table B*

6 cfu  
Required course  
(Table B)

12 cfu or more  
Extra course  
(Table B)

2nd semester

# PRODUCT SERVICE SYSTEM DESIGN

## SMART INFRASTRUCTURES

TABLE B

- DESIGN FOR DIGITAL TRANSFORMATION
- DIGITAL BUSINESS
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- DIGITAL TECHNOLOGY
- ETHICS FOR TECHNOLOGY
- PROJECT MANAGEMENT: PRINCIPLES & TOOLS
- SMART CITIES AND URBAN INNOVATION

## INCLUSIVITY DESIGN

TABLE B

- ARTIFICIAL INTELLIGENCE AND SOCIO-ECONOMIC TRANSFORMATIONS
- ASSISTIVE AND WEARABLE DEVICES FOR INCLUSIVITY
- COLLABORATIVE INNOVATION FOR SUSTAINABILITY AND IMPACT
- COLLABORATIVE ROBOTICS
- CRITICAL THINKING
- DESIGN DELLA COMUNICAZIONE E CULTURE DI GENERE
- DESIGN FOR INCLUSION
- DESIGN FUTURES
- DESIGN FUTURES
- DESIGNING AND TESTING FOR INCLUSIVITY
- DIGITAL DESIGN PLAYGROUND
- DIVERSITY AWARE DESIGN OF TECHNOLOGY SOLUTIONS
- ETHICS FOR TRANSPORTATIONS
- INCLUSIVE DIGITAL TECHNOLOGIES
- INNOVATION IN HEALTH AND SOCIAL CARE
- NEW FORMS OF ORGANIZATION
- POLICY DESIGN AND EVALUATION
- SEMIOTICS
- SOCIAL ENTREPRENEURSHIP
- TEMPORARY AND INCLUSIVE URBAN SOLUTIONS

# DIGITAL AND INTERACTION DESIGN



# DIGITAL AND INTERACTION DESIGN

≥ 132 CFU GREEN



1st semester

2nd semester



1st semester

2nd semester

**12cfu**  
**GREEN**  
**Final Design Studio**  
(Table A)

**6cfu**  
Required Elective Course SSD ICAR/13  
*Not part of the Ambassador path*

**6 cfu**  
1st Required Elective Course (Table B)  
It's recommended to insert it in the 1st year

**12 cfu or more**  
Extra courses  
(Table B)

## GREEN TECHNOLOGIES PATH

### TABLE B GREEN

- CIRCULAR ECONOMY BUSINESS MODELS
- COLLABORATIVE INNOVATION FOR SUSTAINABILITY AND IMPACT
- DEVELOPMENT ECONOMICS
- DIGITAL TECHNOLOGIES AND SUSTAINABLE DEVELOPMENT
- MANAGEMENT FOR SUSTAINABILITY AND IMPACT
- METHODS AND TOOLS FOR SYSTEMATIC INNOVATION
- C - INNOVATION AND INTELLECTUAL PROPERTY MANAGEMENT (I.C. MODULE)
- PRODUCT LIFE CYCLE MANAGEMENT

# APPLICATION





# HOW

**Students may show their interest in the Ambassador path  
for the academic year 2023/'24**

**from July 17<sup>th</sup> 2023 to May 31<sup>st</sup>, 2024**

Applying through the online services

**The study plan already submitted must be consistent with the  
chosen Ambassador Path.**

*The Design School does NOT allow changes in the study plan  
in the 2nd semester*

**The registration to the Ambassador Path is not compatible with any Double  
Degree Program (being at Polimi or abroad)**

# FOR MORE INFORMATION

[School: Ambassador Courses \(polimi.it\)](#)

[Programmi PoliMI Ambassador: polimi](#)

[School: Send an email \(polimi.it\)](#) *select* **AMBASSADOR COURSES**



**POLITECNICO**  
MILANO 1863

SCUOLA DEL DESIGN

Masters degree  
A.A. 2023-2024