



POLITECNICO
MILANO 1863

SCUOLA
DEL DESIGN

Interdisciplinary Programme in SMART WEARABLE TECHNOLOGIES

04.09.2025

Interdisciplinary Programme SMART WEARABLE TECHNOLOGIES

01

What is the IP SWT?

The Interdisciplinary Programme in Smart Wearable Technologies is **a set of courses to distinguish your Laurea Magistrale** programme, enriching your skills to better prepare you to enter the **smart wearable sector**.

These devices are evolving rapidly due to constant technological innovations and becoming more widespread: from healthcare to immersive experiences and social interaction.

In this Programme, you will have the **opportunity to develop skills to complement your Laurea Magistrale**, enjoy an intensive **multidisciplinary experience**, collaborate effectively with professionals from different sectors, and acquire **specialised skills on smart wearables**.

The Interdisciplinary Programme in Smart Wearable Technologies has been developed in collaboration with **EssilorLuxottica** and the **Smart Eyewear Lab**.

Who is it for?

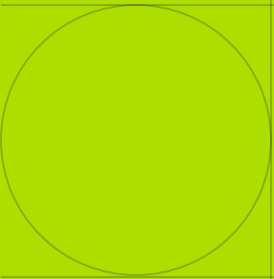
This Interdisciplinary Programme is aimed at **engineering and design students**, who will devote **at least 30 ECTS** to **specific education in smart wearables** from among the 120 ECTS in the programme. The course structure is tailored to your specific study programme.

Students enrolled in the following Laurea Magistrale programmes may enrol in the Programme:

- **Digital & Interaction Design**
- **Integrated Product Design**
- **Design for the Fashion System**
- **Design & Engineering**
- Biomedical Engineering
- Computer Science & Engineering
- Electronics Engineering
- Engineering Physics

Certificate

Upon verification that the student **has successfully obtained a minimum of 30 ECTS from the designated courses**, the completion of the Interdisciplinary Programme shall be officially **certified and recorded in the Diploma Supplement**.



Courses

02

Mandatory and elective courses

Students enrolled in the School of Design are required to complete **both mandatory and elective courses** in order to fulfil the requirements of the Interdisciplinary Programme (**min 30 cfu**):

- **Mandatory courses** are provided and organised by the **School of Design**.
- **Elective courses** are offered by the **School of Industrial and Information Engineering**. These can be selected by students from a **specific set of available options**.

Mandatory courses – Final Design Studio SWT (2nd year-1st semester)

Students in the School of Design, **regardless of their Study Programme**, are required to attend a **dedicated studio during the first semester of the second year**.

This studio is designed to **align with the objectives of the Interdisciplinary Programme** and **replaces the one normally included in the traditional study plan** (e.g., Final Design Studio, Final Synthesis Studio, Final Project Work, Design for the Fashion System).

The **Final Design Studio SWT** is open to students from all four Study Programmes, offering them the opportunity to engage in an interdisciplinary design experience.

Mandatory courses – Professional Workshop SWT (2nd year-1st semester)

All students in the School of Design, regardless of their Study Programme, are required to take part in a dedicated workshop during the first semester of the second year (February).

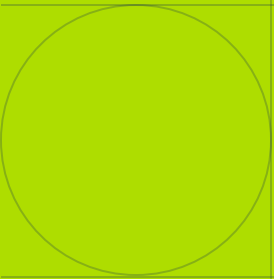
This workshop takes the form of a **one-week intensive design sprint** organised in collaboration with **EssilorLuxottica and the Smart Eyewear Lab**. It provides students with the opportunity to work on **real-world challenges related to smart eyewear**, applying their design skills in a fast-paced, industry-driven context.

The **Professional Workshop SWT** is open to students from **all Study Programmes** (Design + 3I) and aims to foster **interdisciplinary collaboration**, encourage creative problem-solving, and develop practical solutions with direct relevance to the partner company and the broader field of smart wearable technologies.

Elective Courses

At least **two of the following courses** must be attended by the students enrolled in the interdisciplinary programme:

Codice	Denominazione insegnamento	CFU	Lingua	Sem	Sede/i
063747	SMART WEARABLES DESIGN AND PROTOTYPING	6	EN	2	MI
056874	FUNDAMENTALS OF ELECTRONICS FOR DESIGN	6	EN	2	BV
058535	INCLUSIVE DIGITAL TECHNOLOGIES	6	EN	2	MI
063749	WEARABLE SYSTEMS LAB	6	EN	2	MI
063750	DESIGN AND IMPLEMENTATION OF MOBILE APPLICATIONS	6	EN	1	MI
054898	ADVANCED USER INTERFACES	6	EN	1	MI
063751	FUNDAMENTALS OF PHOTONICS: THE SCIENCE OF LIGHT	6	EN	1	BV



Enrolment

03

When

Design students can enrol in the Interdisciplinary Programme at two possible stages:

During the first year – when **submitting their study plan**. In this case, enrolment takes place before the start of the first semester of the first year.

During the second year – provided that:

- They belong to the cohort starting the Laurea Magistrale in the academic year 2025 – 2026, and
- They are able to complete all 30 CFU required for the programme within the second year.

How


Upon submission of their study plan, students are required to indicate **whether they intend to participate in the Interdisciplinary Programme.**

Please note:

Participation in the Interdisciplinary Programme is **subject to the availability of seats** in the Final Design Studio SWT.

Students are kindly encouraged to indicate their intention to participate only if they are **genuinely interested in the Programme.**

How – Step 1



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[Servizi online](#) >

FUNZIONI:

[Avvisi e link utili](#)

[La tua iscrizione](#)

Avvisi e link utili

Non sono al momento presenti avvisi da parte della Scuola o della Segreteria Studenti.

Guarda il tutorial

[Guida presentazione piani](#)

Per maggiori informazioni

[Sito della scuola](#)

[Offerta didattica](#)


[Regolamento didattico](#)

[Come presentare il piano degli studi](#)

[Calendari e scadenze](#)

[Tasse universitarie](#)

Conferma e proseguì



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[Online services](#) > [SIMULATORE PRESENTAZIONE PIANO DEGLI STUDI \(NUOVO SERVIZIO\)](#) [Profile: Simulazione](#)

FUNCTIONS:

[Notices and useful links](#)

[Your enrollment](#)

Notices and useful links

No new announcements from the School or Registrar's Office.

Watch the tutorial

[Study Plan submission guide](#)

For more info

[School website](#)

[Educational offer](#)

[Educational rule](#)

[How to submit the study plan](#)

[Calendars and deadlines](#)

[Tuition fees](#)

Confirm and continue

How – Step 2



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FUNCTIONS:

Notices and useful links

Your enrollment

Your enrolment

Academic year 2025-26	School Scuola del Design
Course type LAUREA MAGISTRALE (ORDINAMENTO D.M. 1648-1649/23)	Year of study 1
Degree program (1026) DIGITAL AND INTERACTION DESIGN	PSPA DI1
Campus BV	Identification number

Your PSPA

DI1 - Digital and interaction Design

Confirm and continue



Servizi online >

FUNZIONI: Avvisi e link utili La tua iscrizione

La tua iscrizione

Anno accademico 2025-26	Scuola Scuola del Design
Tipo corso LAUREA MAGISTRALE (ORDINAMENTO D.M. 1648-1649/23)	Anno di corso 1
Corso di laurea (1026) DIGITAL AND INTERACTION DESIGN	PSPA DI1
Sede BV	Matricola

Il tuo PSPA

DI1 - Digital and interaction Design

Conferma e prosegui

How – Step 3



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FUNZIONI: Avvisi e link utiliLa tua iscrizioneProgetti e iniziative

Progetti e iniziative

Il tuo Corso di Studi ti offre l'opportunità di arricchire la tua formazione attraverso programmi interdisciplinari pensati per integrare e ampliare le competenze acquisite durante il tuo percorso accademico, con il rilascio di un'attestazione al conseguimento della laurea

Programma Interdisciplinare in Smart Wearable Technologies


Il programma è teso allo sviluppo di competenze nella progettazione di dispositivi e sistemi indossabili intelligenti.

Maggiori informazioni 

☐ Aderisco

☐ Non aderisco

Conferma



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FUNCTIONS: Notices and useful linksYour enrollmentProjects and Initiatives

Projects and initiatives

Your Course of Study offers you the opportunity to enrich your education through interdisciplinary programs designed to integrate and expand the skills acquired during your academic career, with the issuing of a certificate upon graduation

Interdisciplinary program in Smart Wearable Technologies

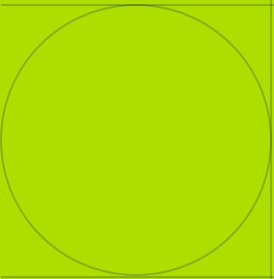
The program aims to develop skills in the design of smart wearable devices and systems.

More information 

☐ I join

☐ I decline to join

Confirm



Q&A

04



Thanks!