

Fashion Design for Knitwear Innovation

FASHION DESIGN AREA

OVERVIEW

The course develops **advanced skills in knitwear design and production**, combining traditional techniques with cutting-edge technologies. It emphasizes **sustainability** and **ethical practices** as key drivers of innovation, exploring zero-waste methods, circular design, and the use of renewable and recycled fibers.

Students learn to create original collections for **diverse markets**, apply **responsible design principles**, and manage the entire process from concept to final production.

The course aims to meet the growing demand for professional figures as:

- ✓ **KNITWEAR DESIGNER**
- ✓ **TEXTILE AND YARN SPECIALIST**
- ✓ **PRODUCT DEVELOPER**
- ✓ **KNITTING MACHINE TECHNICIAN**
- ✓ **PRODUCTION MANAGER**
- ✓ **KNITWEAR TREND FORECASTER**

COURSE TYPE

Master Course

AFAM / 60 CFA equivalent
to 60 ECTS credits

**Recognized by the Italian Ministry
of University and Research.**

✓ **SUSTAINABILITY CONSULTANT**

✓ **ENTREPRENEUR KNITWEAR
DESIGNER**

WHY MILAN?

Milan is the international Capital of fashion and accessories where key players in Fashion and Luxury converge. It is a trend-setting City, thanks also to the strong presence of buyers in the area.

Students can experience the creative process through Luxury Companies and Showrooms: therefore, Milan represents an **international centre of production and creativity** which is constantly evolving, and which makes real the idea of marketability season after season.



KEY OUTCOMES

- **Technical Drawing & Digital Software**
Ability to apply advanced techniques for knitwear design and digital simulation.
- **Innovative Materials & Sustainability**
Understanding of fibres, yarns, and low-impact production methods.
- **History & Trends of Knitwear**
Knowledge of the stylistic evolution of knitwear within fashion.
- **Automatic CAM Design & Modelling**
Proficiency in digital tools for prototyping and industrial-level production.
- **Fashion Economics & Marketing**
Skills in product development strategies and effective market positioning.
- **Sustainability & Innovation in Knitwear**
Awareness of how technology and eco-friendly materials shape the future of knitwear.
- **Artisanal & Industrial Processes**
Ability to work with different production machines and methods.

INDUSTRY COLLABORATIONS

Istituto Marangoni strongly invests in industry collaborations, offering Postgraduate students the opportunity to work on **high level projects** that add significant value to their professional development. Through partnerships with **leading creatives** and **global fashion brands**, students gain first hand experience in **real industry dynamics**.

FACULTY

The Faculty at Istituto Marangoni is recognised internationally for its academic excellence and strong Industry connections. Lecturers and teachers are established professionals who bring real world expertise into the classroom, offering students direct insight into contemporary practices, emerging trends, and the dynamics of the global fashion, design, and luxury industries.



SUBJECT	DESCRIPTION	ECTS
HISTORY AND CRITICISM OF CONTEMPORARY DESIGN	Exploration of the fashion's cultural impact through aesthetics, criticism, semiotics and research, linking past, present, and future design perspectives.	4
TECHNICAL DRAWING	It introduces technical drawing skills for fashion, focusing on accurate garment representation, proportions, and professional visual communication.	4
MULTIMEDIA INFORMATION TECHNOLOGY	It covers digital tools and multimedia technologies for creating, managing, and communicating visual content across fashion and design contexts.	4
INNOVATIVE TECHNOLOGIES AND MATERIALS	The subject focuses on sustainable textile innovation, exploring technologies, materials and strategies to address industry challenges and reduce environmental impact.	4
VISUAL RESEARCH	Explores visual research theories and methods, fostering independent study and creative project development through proactive, research-driven approaches.	6
DESIGN METHODS	It develops responsible fashion design through sustainability, critical thinking and circular economy projects focused on waste reduction and resource efficiency.	8
FASHION PROJECT COMMUNICATION	Strengthening visual communication skills through graphic design tools and layout techniques for professional print and digital project presentation.	4
DESIGN AND AUTOMATIC MODELLING/CAM	Exploring automated design and CAM technologies, integrating digital modeling with advanced production processes for innovative fashion solutions challenges with critical insight.	6
FASHION PRODUCT DEVELOPMENT: FROM CONCEPTION TO CONSUMER	Exploring the complete fashion product lifecycle, from concept development to consumer delivery, integrating design, production, and strategy.	4
INTERNSHIP	Internship.	6
DISSERTATION	Final written thesis.	10