



**POLITECNICO  
MILANO 1863**

**Material  
Balance  
Research**



**CONSTRUCTION  
INNOVATION AND  
SUSTAINABLE  
ENVIRONMENT**

MASTER I and II level

II edition 2025/2026

# Material Balance Design

## Digital Techniques and Circular Innovations in Architecture

The second edition of the Master's program addresses the growing demand for professionals capable of managing **complex architectural projects**, presenting a **unique opportunity** for professionals to lead in **sustainable architectural innovation**.

### What the program provides:

- Advanced training for the evolving architecture industry.
- Cutting-edge skills in digital techniques
- Circular innovation strategies aligned with the latest trends in sustainable construction.

### Main Info:

- Blended mode: online and in person at Maba.SAPERLab
- March 2025 to March 2026
- Workshops
- Internship

The program emphasizes *Material Balance* from **conceptual design** to **construction details**. Participants will gain the expertise to manage intricate projects by merging digital technology with environmental issues.

Students will also explore new principles, **tools, processes**, and **products**, redefining the designer's role in contemporary practice and empowering professionals to shape the future of sustainable architecture.

### Main Topics

Material Balance | Performance-Based Design | Digital Fabrication | Material Bodies & Digital Phenomenology | Circular Material Scouting | Executive Design Development | Building Physics and Energy Systems for Architecture | Future Scenarios | Soft Skills

### Our Partners:

**mad**  
architects

**Snøhetta** 

**Zaha Hadid  
Architects**

**ACPV ARCHITECTS**  
ANTONIO CITTERIO PATRICIA VIEL

**ATI** | Project

**Henning  
Larsen** —

**RIMOND** 

**BOLLINGER+GROHMANN**

**(A)MDL CIRCLE**

**a-fact**  
ARCHITECTURE FACTORY

**Λ I V □ ×**

 **Deerns**

**GIÒFORMA**

To stay updated follow us on our channels :



[maba.research](https://www.maba.research)



[Material Balance Research](https://www.facebook.com/MaterialBalanceResearch)



[MaterialBalance.Research](https://www.linkedin.com/company/MaterialBalanceResearch)