

## Summer School Digital and Sustainable Industrial Systems



The Summer School is organized and hosted by the DTG (Department of Management and Engineering) upon the proposal of its four Master's Degree Programs taught in English: *Food Industry Engineering*, *Management Engineering*, *Mechanical Engineering for Product Innovation*, and *Mechatronics Engineering*. The program explores high-impact topics such as digitalization and emerging technologies (Industry 4.0), sustainability, resilience, and the human-centred approach (Industry 5.0), positioning itself at the forefront of international education in the field of industrial systems.

The Summer School is specifically designed for students who are about to complete their undergraduate studies or who already hold a bachelor's degree. Priority will be given to international students.

The one-week educational program integrates interdisciplinary skills needed to design, develop, and manage innovative industrial systems. It consists of five seminars:

1. **Opportunities and Challenges Associated with AI to Improve Customer Satisfaction** – exploring how digital technologies, especially artificial intelligence, are impacting business models and company processes.
2. **Digital Servitization and Business Models: Development of Advanced New Services Through the Intelligent Use of Digital Technologies** – focusing on digital servitization.
3. **Smart and Sustainable Intralogistics for Warehousing and Material Handling for Food Manufacturing** – dedicated to sustainable and digital factory logistics.
4. **Materials and Methods for the Sustainable Design of Innovative Products** – addressing the development of innovative and sustainable products.
5. **Power Electronics in the Energy Transition: Design and Optimization of Electronic Systems for Renewable Energy** – highlighting key technologies and applications driving the sustainable energy transition.

Teaching activities will combine in-person and virtual lectures (particularly for international faculty), blending theoretical and practical learning with interactive sessions such as project work and case study discussions. Innovative teaching tools and methods will also be employed.

In addition, talks by managers and industry professionals will provide real-world insights, while company visits will offer students direct exposure to industrial environments and practices related to the school's themes. Social activities will also be organized to promote the department, the university, and the Veneto region.

## KEY INFO

**Dates:** 13<sup>th</sup> July 2026 – 17<sup>th</sup> July 2026

**Target:** Bachelor's students

**Minimum number of participants:** 20

**Location:** Vicenza, Department of Management Engineering

**Fee:** 500 euros per week / 20% fee waiver for students of partner universities / 50% fee waiver for Arqus students (including UNIPD students). A maximum number of waivers might apply.

**Contact:** [summerschool@unipd.it](mailto:summerschool@unipd.it)

**Application dates:** 15<sup>th</sup> November 2025 – 15<sup>th</sup> March 2026