



University Profile

An international University

dedicated to the Life Sciences in Milan.

Education and training fully integrated with Humanitas Hospital and Scientific Research.

A University highly focused on the growth of its students, their training, their clinical and research careers, in Italy and overseas.

Post-graduate studies with Medical Specialty Schools, Masters and Advanced training programmes and PhDs.

A smart Campus technologically advanced in its infrastructure and its services.



Contents

I - THE HUMANITAS MODEL

7
The Humanitas world

8
The University

10
Research

13
The Hospital

II - EDUCATION AND TRAINING: AN INNOVATIVE APPROACH

15
Education and training: an innovative approach

17
The Simulation Center

18
Orientation

20
Degree programmes

29
Post-graduate studies

III - THE CAMPUS AND ITS SERVICES

31
Milan, a door to the world

33
Smart Campus

34
Accommodation



The Humanitas World: A University, A Hospital and Research

Internationalisation, innovation, interaction, integration with the Hospital and the Research

Center: this is how we live University Education in the Life Sciences and what makes Humanitas University stand out. All our courses are inspired by the concept of active learning, carefully balancing theory and practice to ensure that our students develop critical and autonomous thinking skills alongside specific professional competences.

Humanitas University prepares its students to thrive in the clinical and research areas in Italy or overseas.

An international and stimulating environment frames all our courses at Humanitas University. We seek to support our students' personal and professional growth and believe in nurturing a spirit of collaboration, curiosity and responsibility.

University brings out the talent

By training professionals in the Life Sciences with a model that integrates Education, Research and Clinical Practice, Humanitas University brings out the talent in its students. Humanitas University values internationalisation, strongly believes in innovative teaching methods, designs and delivers new learning pathways and implements top welcoming programmes.



Humanitas attracts young people from Italy and from all over the world and offers the opportunity to engage in a unique kind of education. **It is an international hub for the training of doctors, nurses, physiotherapists and researchers capable of dealing with future scientific, technological and social change.**

The close integration between the Hospital, the Research Laboratories and the University creates the conditions for healthcare professionals to gain experience by working closely with patients and at the same time acquire the methodology and rigour that scientific research requires - a means to creating synergy between clinical and laboratory practice in an educational context.

Research for the future

The key words for research are openness and cross fertilisation - fundamental for scientific progress. New discoveries originate from questioning traditional knowledge thanks to data and a rigorous scientific approach. The actors in this process are today's young people.



Research does not just belong to the laboratories, innovation and discoveries need to be transferred directly to daily clinical activities on the ward.

The close connection between treatment and research is one of the founding pillars of the Humanitas model.

Our objective is to offer patients the best possible treatment by transferring impacting research to the patient's bedside.

Humanitas Research Hospital is a **highly specialised teaching and research hospital with international recognition:**

- more than 400 doctors and researchers from all over the world work in close collaboration with Humanitas doctors;
- 22 high-tech laboratories for genetics and molecular imaging;
- research on immune pathologies and high impact diseases like cancer,

cardiovascular problems, stroke and autoimmune diseases;

- a network of excellence that includes New York University, the Université Catholique de Louvain in Belgium, the Spanish National Centre for Biotechnology in Madrid, the Queen Mary School of Medicine in London and the Pasteur Institute in Paris.

The bibliometric indexes demonstrate the outstanding quality and quantity of scientific research at

Humanitas, proliferating year after year.

The Impact Factor places **Humanitas in one of the top positions for its scientific production**, particularly in the field of the immune system, a must for today's medical research, given its high impact on wide-ranging clinical practice.

The Hospital



Humanitas is the first Italian hospital to be quality-certified as an Academic Hospital by the Joint Commission International. It is **one of the most technologically advanced European hospitals** and internationally renowned for its research on immune system diseases.

Humanitas has specialist units treating oncological, cardiovascular, neurological, orthopaedic, autoimmune and inflammatory diseases. It also has a top Eye Centre, an outstanding Fertility Centre and a highly specialised Accident and

Emergency department. Medical assistance, supported by the best professional knowledge and a multidisciplinary approach, is complemented by **constant research activities** aimed at improving and personalising treatment. IRCCS Istituto Clinico Humanitas heads a group of hospitals in Italy, located in Milan, Bergamo, Castellanza, Turin and Catania.



Education and training: an innovative approach

At Humanitas University, an integrated teaching approach ensures that our future doctors acquire **theoretical knowledge alongside clinical skills**. The multi-disciplinary teaching methods include problem-based and experience-based learning. The first approach encourages students to **develop analytical and reflective skills required during clinical practice**; the second focuses on **independent research, decision-making and teamwork**.

Simulation also plays a fundamental role in medical training - it is the place where students can learn in

a safe and controlled environment under the supervision of tutors, whose role is to facilitate the learning process as the objectives become progressively more challenging, ranging from history taking and procedural skills, to high-fidelity simulation of patient management in complex clinical scenarios.



The Simulation Center - training excellence

The Mario Luzzatto Simulation Center is a 2000 square metres state-of-the-art Simulation Lab, **one of the most technologically advanced in Europe** which complements the academic components in training healthcare professionals. We are the first in Italy to **integrate a Hospital, a University Campus, a Simulation Center and a Wet Lab** to provide an outstanding experience.

In the Simulation Center **students have the opportunity to integrate theoretical knowledge with**

practical skills, thanks to its emergency room, operating theatres, ambulatories, clinical and surgical skill rooms and multimedia booths. The Simulation Center is **an asset in the field of Life Sciences and a training resource for companies and professionals**, who wish to enhance their professional development in the reality of a modern hospital, using surgical or endoscopy equipment in a high-fidelity context.

The Mario Luzzatto Simulation Center is equipped to offer second level highly specialised professional training courses of SIM (Simulation in Medicine), combining theory with simulated practical activities.



Orientation

Humanitas University offers a range of **undergraduate and postgraduate orientation activities** - before enrolment on our degree programmes to attract highly motivated Italian and international students and **after graduation** to explore postgraduate training and career opportunities.

The orientation activities prior to admission are a chance to experience future healthcare professions, and learn more about the degree programmes available.

Humanitas students, teaching staff and professionals will help future students experience, learn and interact to help choose the best career path to follow.

- **Professional day**, students will be able to measure their aptitude and skills and nurture their ambition thanks to the practical professional activities we put in place.

- **Preparation courses for the Admissions Test** to access the degree programmes

- **Post-graduate orientation activities** aim at supporting students in their future career through curricular and extra-curricular training in line with their university education.

- **Preparation courses for admission to residency programmes** in Italy

and in the United States. Our “USMLE and more” programme has been designed for those medical students who are interested in continuing their education in the US and for those who want to test the skills they have acquired against an international benchmark.

- **Meetings with foreign professional associations and international organisations** to learn more about postgraduate opportunities.

- **Tutoring programmes** are available throughout university studies to support learning goals and assist future career choices:

- **Peer to Peer**, student tutoring
- **Academic and Professional tutoring**
- **Study support activities** and a counselling service.

Degree Programme in Medicine and Surgery

The degree programme in **Medicine and Surgery** at Humanitas University **lasts 6 years** and is **taught in English**. Student can meet up with **fellow undergraduates from over 20 countries worldwide**. After obtaining a degree in Medicine, graduates can sit the state exam to enrol in the professional register and take the exam to enter a Medical Specialty School.

From the very first year, theoretical and practical competences can be acquired thanks to the multidisciplinary modules combined with **practical training and simulation activities**, carried out under the guidance of professors and researchers with international experience – including 3 Noble Prize Winners – and 150 doctors, who also work as tutors and members of the teaching community. An International Advisory Board supports the University in its educational and training goals.

Starting from the third year students will start their **clinical training at the various Humanitas Hospitals** under the supervision of specialised tutors, who follow undergraduates through their clinical practice. Students can also join the **Virgilio Programme**, dedicated to biomedical research. The programme allows for the integration of their curriculum with inter-disciplinary seminars, interactive teaching activities and laboratory experience – one month a year – to enable active participation in scientific research.

Future doctors can also enjoy the benefits of a period abroad thanks to **travel grants and the Erasmus programme**. Conferences and seminars with Italian and internationally renowned doctors and researchers are organised to promote cultural awareness and support professional academic growth.



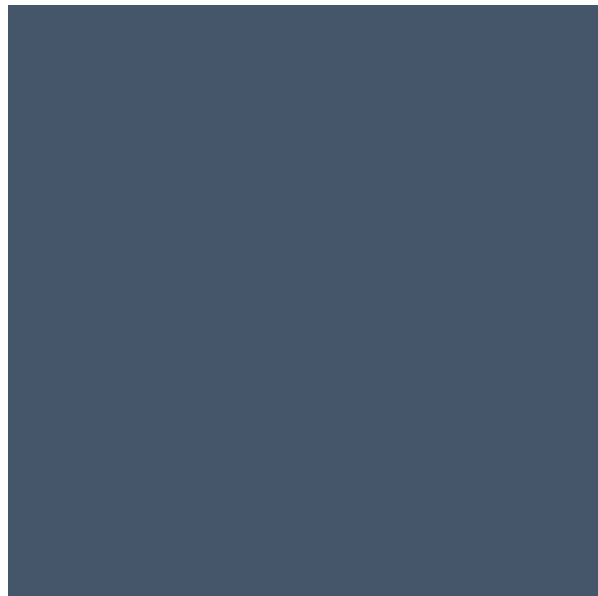


MEDTEC SCHOOL

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POLITECNICO
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MEDTEC School is the new international **degree programme in Medicine designed and developed by Humanitas University and the Politecnico di Milano.**

The new degree aims to integrate and strengthen the skills of the professional figure of the medical doctor with the skills relevant to Biomedical Engineering. On completion of the study programme, **medical graduates** can apply to the **Politecnico di Milano** for a **Bachelor's degree in Biomedical Engineering.**

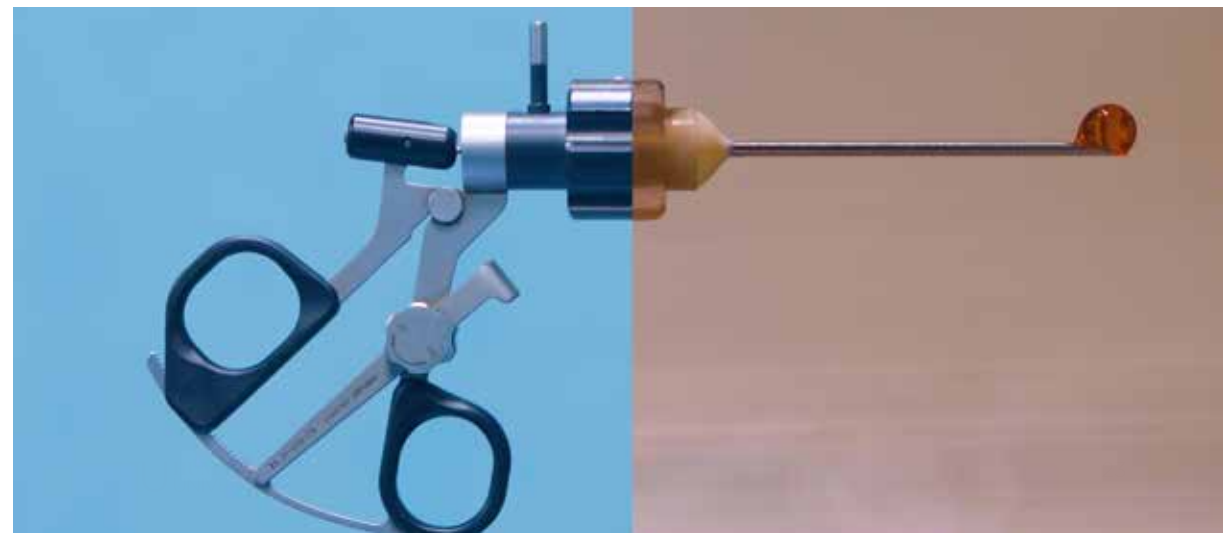
On graduating you can enter into Medical Specialty Schools, Medical Research or join industry directly, i.e. biomedical devices and technologies or the pharmaceutical sector.

MEDTEC School trains **a new generation of professionals** to be up to speed with the new requirements and **able to manage innovative technologies and our advancing sciences:**

- Robotics
- Data science
- Artificial Intelligence
- Biostatistics
- Omics
- New materials
- Simulators and VR
- Nano-technologies

Innovation in medicine at the service of the patient.

The degree programme will include both single subject courses and integrated course modules where academic teaching staff from Humanitas University and the Politecnico di Milano will be co-present in the classroom to ensure the full integration of engineering skills with clinical training. The same approach of co-tutoring will be further adopted during a number of medical professionalizing activities.



Nursing Degree Programme



The **Nursing Degree at Humanitas** University, taught in Italian, is a three-year degree programme, qualifying students to work in hospitals, in the community, in clinics and in care homes. Students can acquire both theoretical and practical competences thanks to the integration of teaching and learning activities with **clinical practice training in Humanitas hospitals and affiliated structures**. There is a strong emphasis on the development and **application of scientific research skills for nursing practice** and the final thesis. The degree programme is available in Milan and at the Gavezzani hospital in Bergamo.

Physiotherapy Degree Programme



The **Physiotherapy Degree** at Humanitas University, taught in Italian, is a three-year degree programme, qualifying students to practise a profession that **treats and prevents motor impairment through exercises and manual therapy**, with the aim to reduce disability and improve patient quality of life.

From the very first year, tutors will follow the students to promote active learning and help them plan personalised therapeutic programmes based on a functional assessment of the patient.

Humanitas University also offers the opportunity to acquire scientific skills by taking part in **national and international research projects**.



Postgraduate studies

Humanitas University highly values life-long learning and offers a wide range of postgraduate programmes for graduates or professionals who wish to enhance their professional education in Life Sciences: **Second-cycle degree programmes, Masters, PhDs, Medical Specialty Schools and Advanced training programmes.**

At the heart of all our university programmes there is a clear and well-designed curriculum with our faculty members renowned for their international, scientific and clinical experience.

The post-graduate study pathways provide a close integration between students and professionals and a wide-range of activities, combining theory and practice. Students also have the opportunity to train and learn in a cutting-edge simulation center or wet lab.

Our courses are held in either English or Italian.

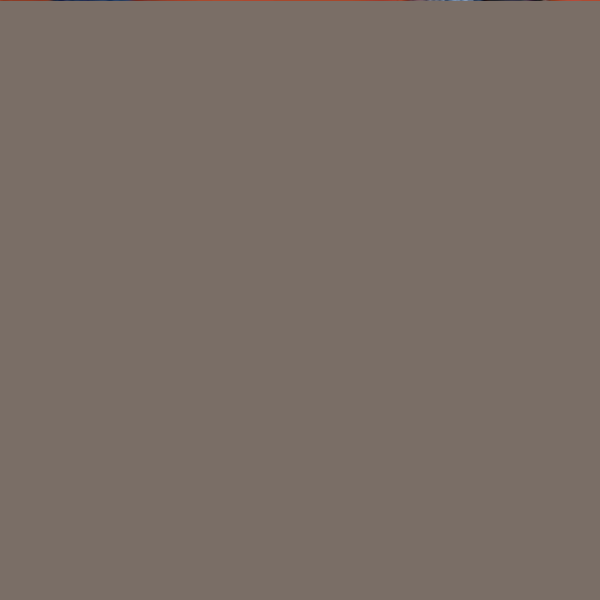


Milan: a door to the world

Humanitas University attracts Italian and international students and professionals by offering not only a distinctive education and training on a state-of-the-art Campus but also **an extraordinary life experience** thanks to a city that is warm and welcoming. Milan has opened its doors to the world. It is a city that combines science and culture, creativity and research, tradition and innovation entertainment and services.

Expo 2015 confirmed Milan's rise in terms of its ability to attract talent and human capital and in terms of the professional opportunities it offers and its quality of life. Milan continues to grow as a **university city** and has developed numerous services for its ever-expanding student community. In 2018, Milan climbed the QS Best Student Cities tables, ranking among the top 40 worldwide and the best in Italy.





Smart Campus, shared knowledge and services

The new Campus is evidence of the **knowledge triangle** at the heart of the Humanitas model. The integration between advanced technology and innovative teaching methodologies contributes to the enhancement of clinical practice and scientific activities. On Campus students can use their mobiles and personal devices anywhere at any time. Teaching staff can interact with students in class, in the virtual community or through interactive videos and smart boards or in virtual laboratories. On Campus **numerous instruments** have been introduced **to improve the quality of education** and maximise the student experience:

- **multimedia rooms** are equipped

with projection systems, multimedia screens, wireless collaboration systems and flexible room design, adaptable to any teaching or learning activities;

- **online courses** create global classes and a blended learning environment, which widens the horizons of the University and complements traditional learning and teaching environments;
- a **digital platform** connected to the Campus through wi-fi guarantees operational efficiency and security;
- **services** social life in a multicultural context.

Accommodation

The new Mario Luzzatto Student House is named after **Mario Luzzatto**, an internationally well-known manager, artist and philanthropist. The student accommodation is located on the University Campus. Students experience the dimension of integrated education, with the University, the Hospital and the Research Centre just a few steps away from the halls of residence.

Our Student House provides 240 beds in flats with single or double rooms. Students can freely use all the communal areas: a study hall, a gym, sport areas, TV rooms, laundry rooms, shared kitchen areas, a cafeteria and food services. Additional services include education and study support, language courses, recreational activities and social events to support students in their studies.



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