



UNIVERSITÀ  
DEGLI STUDI  
DI MILANO

Single cycle degree course

# **International medical school - IMS**

facoltà di

**MEDICINA E CHIRURGIA**

# Applications and admissions

With mandatory access test.

For information about the number of available positions and the date of the test:

[www.unimi.it](http://www.unimi.it) – INFORMAZIONI PER FUTURI STUDENTI.

At present, the Ministry of University has not issued any communication on the dates and modalities of the 2025 admission test.

## OFA - Additional Educational Obligations

Students not reaching the minimum score in the admission test or in the biology field will be assigned additional formative obligation (OFA). These obligations consist in on purpose activities. Failure to pass the OFA will not allow to take the examination of Cells, Molecules and Genes. Details on OFA will be advertised on the website [ims.cdl.unimi.it/en.nes](http://ims.cdl.unimi.it/en.nes). Details on OFA will be advertised on the website [ims.cdl.unimi.it/en](http://ims.cdl.unimi.it/en).

## Objectives

The professional profile of IMS graduates is characterized by a sound scientific knowledge of diseases and diagnostic procedures, by a strong ethical structure, accountability, consciousness of their own limitations, understanding of culture diversity, capability to solve urgent health problems, and respect for each individual, regardless of his/her religion, values, race, sex or any other peculiarities. Graduates are supposed to mature a strongly integrated approach to the patient, critically assessing the clinical as much as the relational aspects. During the course they acquire the educational, social and ethical aspects involved in the prevention, diagnosis and treatment of illness, as well as the rehabilitation and recovery of the highest possible level of psychophysical well-being. IMS graduates are exposed to the content and methods of scientific research in the context of a translational training aimed at leading them in their lifelong learning and/or in their profession of biomedical scientists.

## Career prospects

Graduates in the Medicine and Surgery degree course acquire the professional profile adequate to carry out medical-surgical work in the different professional clinical, health and bio-medical roles and spheres.

The degree in Medicine and Surgery enables to practice as a physician and to register in the Italian medical register, upon acquisition of a positive evaluation in the Evaluation Training Internship. IMS degree is a prerequisite for entering medical Residencies programs and the School of General Medicine (upon National Admission test) and/or PhD programs (upon University Admission test).

# Study plan

I year

BLOCKS	ECTS PARTIAL	ECTS TOTAL
I semester		
Cells, molecules and genes - Module: Molecular biology - Module: Biology	4 2	6
Fundamentals of basic sciences - Module: Medical physics - Module: Chemistry and introductory biochemistry	5 7	12
Histology		7
II semester		
Anatomy		12
Biochemistry		6
Fundamentals of biomedical imaging - Module: Medical Physics - Module: Radiology and radiotherapy	2 1	3

II year

(to be made available as of academic year 2026/2027)

BLOCKS	ECTS PARTIAL	ECTS TOTAL
I semester		
Functions 1 - Module: Physiology - Module: Biochemistry	9 6	15
Genetics - Module: Biology - Module: Genetics	4 4	8
Microbiology		4
II semester		
Functions 2 - Module: Physiology - Module: Anatomy	8 4	12
Mechanisms of diseases		14

III year

(to be made available as of academic year 2027/2028)

BLOCKS	ECTS PARTIAL	ECTS TOTAL
<b>I semester</b>		
Fundamentals of clinical medicine 1 - Module: Internal medicine - Module: Respiratory diseases - Module: Cardiovascular diseases - Module: Nephrology - Module: General surgery	3 3 3 3 2	14
Fundamentals of clinical medicine 1 (clerkship) - Module: Internal medicine - Module: Respiratory diseases - Module: Cardiovascular diseases - Module: Nephrology - Module: General surgery	1 1 1 1 1	5
Fundamentals of clinical medicine 2 - Module: Internal medicine - Module: Blood diseases - Module: Rheumatology	1 2 2	5
Fundamentals of clinical medicine 2 (clerkship) - Module: Rheumatology		1
Translational medicine and biotechnologies 1 - Module: Informatics - Module: Molecular biology - Module: Clinical biochemistry - Module: Microbiology - Module: Biotechnology and methods in Laboratory medicine	2 1 2 2 2	9
<b>II semester</b>		
Biostatistics		5
Foundational pharmacological principles		3
Fundamentals of clinical medicine 3 - Module: Gastroenterology - Module: Endocrinology - Module: Dermatology - Module: Physical training sciences and methodology	3 3 3 2	11
Fundamentals of clinical medicine 3 (clerkship) - Module: Gastroenterology - Module: Endocrinology - Module: Dermatology	1 1 1	3

IV year

(to be made available as of academic year 2028/2029)

BLOCKS	ECTS PARTIAL	ECTS TOTAL
<b>I semester</b>		
Clinical oncology hemato-oncology and radiotherapy - Module: Pharmacology - Module: Medical oncology - Module: Pathology - Module: Blood diseases - Module: Radiology and radiotherapy	1 3 1 1 1	7
Clinical oncology hemato-oncology and radiotherapy (clerkship) - Module: Medical oncology - Module: Blood diseases	1 1	2
Fundamental pharmacology and therapeutics		3
Head and neck - Module: Human physiology - Module: Anatomy - Module: Odontostomatological diseases - Module: Ophthalmological diseases - Module: Otorhinolaryngology	1 1 2 2 2	8
Head and neck (clerkship) - Module: Ophthalmological diseases - Module: Otorhinolaryngology	1 1	2
Infectious diseases - Module: Pharmacology - Module: Infectious diseases	1 5	6
Infectious diseases (clerkship)		1
Orthopedics, traumatology and rehabilitation - Module: Orthpedics - Module: Rehabilitation medicine	4 1	5
Orthopedics, traumatology and rehabilitation (clerkship) - Module: orthopedics		1

BLOCKS	ECTS PARTIAL	ECTS TOTAL
<b>II semester</b>		
Clinical and surgical pathology		7
Clinical and surgical pathology (clerkship)		1
Clinical imaging		4
Clinical imaging (clerkship)		1
Medical psychology - Module: General psychology - Module: Psychobiology and physiologic psychology - Module: Social psychology - Module: Clinical psychology	3 1 1 1	6
Translational medicine and biotechnologies 2 - Module: Clinical biochemistry - Module: Clinical pathology - Module: Microbiology - Module: Biotechnology and methods in Laboratory medicine	2 1 1 1	5

V year

(to be made available as of academic year 2029/2030)

BLOCKS	ECTS PARTIAL	ECTS TOTAL
<b>I semester</b>		
Fundamentals of surgery - Module: General surgery - Module: Plastic surgery - Module: Thoracic surgery - Module: Vascular surgery - Module: Cardiac surgery - Module: Neurosurgery - Module: Maxillofacial surgery	5 1 1 1 1 1 1	11
Fundamentals of surgery (clerkship) - Module: General Surgery		3
Medical sciences and clinical investigation		5
Medical sciences and clinical investigation (clerkship) - Module: Internal medicine - Module: Rheumatology	2 1	3
Neurological and behavioural disorders - Module: Pharmacology - Module: Mental health - Module: Neurology - Module: Rehabilitation medicine - Module: Neuroradiology	2 4 4 1 1	12
Neurological and behavioural disorders (clerkship) - Module: Mental health - Module: Neurology	1 1	2

BLOCKS	ECTS PARTIAL	ECTS TOTAL
<b>II semester</b>		
Gynecology and reproductive medicine - Module: Urology - Module: Obstetrics, gynecology	1 5	6
Gynecology and reproductive medicine (clerkship) - Module: Urology - Module: Obstetrics, gynecology	1 1	2
Pediatrics and child care - Module: Pediatrics - Module: Child neuropsychiatry	5 1	6
Pediatrics and child care (clerkship) - Module: Pediatrics		1
Public, global health, occupational medicine and forensic sciences - Module: Medical statistic - Module: General and applied hygiene - Module: Forensic medicine - Module: Occupational medicine - Module: Business economics	1 3 4 3 1	12
Evaluation internship - Medical sciences		5
Evaluation internship - Surgical sciences		5

## VI year

(to be made available as of academic year 2030/2031)

BLOCKS	ECTS PARTIAL	ECTS TOTAL
<b>I semester</b>		
Emergencies - Module: Internal medicine - Module: General surgery - Module: Anesthesiology	2 2 2	6
Emergencies (clerkship) - Module: Internal medicine - Module: General surgery - Module: Anesthesiology	1 1 1	3
Multidisciplinary clinical management - Module: Medical informatics - Module: Medical History - Module: Medical oncology - Module: Respiratory diseases - Module: Cardiovascular diseases - Module: Endocrinology - Module: Nephrology - Module: General surgery - Module: Radiology and radiotherapy	1 2 1 1 1 1 1 1 1	10



BLOCKS	ECTS PARTIAL	ECTS TOTAL
Multidisciplinary clinical management (clerkship) - Module: Internal medicine - Module: Gastroenterology	1 1	2
<b>Annual</b>		
Evaluation internship – General medicine		5

FINAL TRACK: At the end of the II semester of 5 year student must choose the last exam (Track) of the IMS course among the 10 Track options:

- Community-based and lifestyle medicine
- Methodological approach to biomedical research
- Primary care
- Management of chronicity
- Cancer
- Public, global and occupational health and healthcare management
- Intensive and emergency care
- Surgical approach to diseases
- Surgical and interventional oncology
- Advanced techniques in diagnostics and interventional imaging

### Other training activities

- Optional clerkship (8 ects)
- Optional activities (8 ects)
- Other skills relevant for the medical profession (1 ects)
- Additional language skills (3 ects)
- Final examination (13 ects)

# INFO

 **Disciplinary classification:** Medicine and surgery (LM-41 R)

 **Duration:** 6 years (360 ects)

 **Attendance:** mandatory

 **Locations:**

- L.I.T.A. - via Fratelli Cervi, 93 - Segrate (MI)
- ASST Grande Ospedale Metropolitano Niguarda - piazza dell'Ospedale Maggiore, 3 - Milano
- Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico - via F. Sforza, 35 - Milano
- ASST Centro Specialistico Ortopedico Traumatologico Gaetano Pini-CTO - p.zza Cardinal Ferrari, 1 - Milano
- IRCCS Centro Cardiologico Monzino - via C. Parea, 4 - Milano
- IRCCS Fondazione Istituto Nazionale dei Tumori - via G. Venezian, 1 - Milano
- ASST Santi Paolo e Carlo - via A. di Rudinì, 8 - Milano
- CAMPUS IFOM-IEO (Istituto Europeo di Oncologia) - via Adamello, 16 - Milano
- ASST-FBF-Sacco - via G.B. Grassi, 74 - Milano
- IRCCS Ospedale Galeazzi - Sant'Ambrogio - Via Cristina Belgioioso, 173 - Milano
- Ospedale Auxologico San Luca - piazzale Brescia, 20 - Milano
- IRCCS Policlinico San Donato - via Morandi, 30 - San Donato Milanese (MI)

 **For information:**

[ims@unimi.it](mailto:ims@unimi.it)

 **Websites:**

[lms.cdl.unimi.it](https://lms.cdl.unimi.it)

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