



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2025/26
SINGLE-CYCLE DEGREE
MEDICINE AND SURGERY - INTERNATIONAL MEDICAL SCHOOL
(CLASSE LM-41 R)
Enrolled in 2025/26 Academic Year

HEADING

Degree classification - Denomination and code:	LM-41 R
Degree title:	Dottore Magistrale
Length of course:	6 years
Total number of credits required to complete programme:	360
Years of course currently available:	1st
Access procedures:	Cap on student, student selection based on entrance test
Course code:	DCE

PERSONS/ROLES

Head of Study Programme

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Tutors - Faculty

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Degree Course website

<https://ims.cdl.unimi.it/en>

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<https://ims.cdl.unimi.it/en> Email: ims@unimi.it

Link for international students:

<https://www.unimi.it/en/international/coming-abroad/international-students-office-welcome-desk>

CHARACTERISTICS OF DEGREE PROGRAMME

General and specific learning objectives

The degree course consists of 360 credits overall, spread over a six-year program, of which at least 60 must be acquired in training aimed at the acquisition of specific professional abilities. Graduates in the degree courses in Medicine and Surgery must have:

- 1) acquired the scientific bases and the necessary theoretical-practical preparation to Directive 75/363/CEE on the practice of the medical profession;
- 2) acquired a level of professional awareness, decisional and operative autonomy safety with a deep sensitivity to the complex human problems and social diseases;
- 3) acquired the theoretical knowledge arising from basic sciences and the ability to properly apply it in the perspective of subsequent professional application;
- 4) acquired the knowledge of physiopathology and organ and apparatus pathologies, interpreting them in the light of basic

scientific knowledge from a clinical point of view;

- 5) acquired the competence to properly obtain and examine data and elements related to the state of health and illness of an individual;
- 6) acquired the ability and the experience of facing, and solving, the priority health problems considering the preventive, diagnostic, prognostic, therapeutic and rehabilitative aspects;
- 7) been exposed to the content and methods of scientific research as a tool to access the clinical field, always in the context of a training translational "from bench-to-bedside" and vice versa;
- 8) acquired the knowledge of historic, epistemological and ethical dimension of medicine;
- 9) acquired how to communicate properly and clearly with the patient and his/her relatives relating to them with humanity;
- 10) learnt how to co-operate with the different professional figures in the various health activities they will be exposed to;
- 11) learnt how to apply the principles of health economics in medical decisions and acquired the ability to recognize health problems in the community and intervene in a competent manner.

Professional profile and employment opportunities

The professional profile of our graduates is characterized by a sound scientific knowledge of diseases and diagnostic procedures, by a strong ethical structure, accountability, consciousness of his/her 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. They 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. Our 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. Graduates in the Medicine and Surgery degree courses acquire the professional profile adequate to carry out medical-surgical work in the different professional clinical, health and bio-medical roles and spheres.

The achievement of the IMS degree enables to practice as a physician (Legislative Decree 17-3-2020, n.18, Art.102) and to register in the Italian medical register, upon acquisition of a positive evaluation in the Evaluation Training Internship, as referred to Art.3 of the Decree of the Ministry of Education, University and research (MIUR) 9-5-2018, n.58. Graduates can pursue a medical career in a wide range of clinical, healthcare and bio-medical roles and domains. IMS degree is a prerequisite for entering medical Residencies programs, the School of General Medicine (upon National Admission test) and/or PhD programs (upon Universities Admission test).

Initial knowledge required

Practical instructions

All the degree courses in Medicine and Surgery of the Faculty of Medicine and Surgery of the University of Milan have programmed access and require an admission test. Upon the Law 264 date 2.8.1999, the test is the same for all Italian public universities offering an international medical curriculum, and takes place on the same day at the same time all over the world. The main focus of the admission test is to examine and judge the fundamentals of scientific knowledge and reasoning. The number of students who can be admitted is defined annually by a Decree of the Ministry of University and Research (MUR), taking account of the training potential declared by the university on the basis of the teaching and clinical resources and structures available, and also the requirements reported by the Lombardy Region and the Ministry of Health. Candidates who have a High School Diploma, or alternative qualification achieved abroad and recognized as suitable, can be admitted to the single cycle degree courses in Medicine and Surgery. Candidates in eligible positions in the ranking of the admission test must enroll according to the procedure of the university.

Entry test

The admission test is designed by the Italian Ministry of University and Research. The admission test consists of sixty multiple choice questions with five options (of which only one is correct) on the following topics: general knowledge and logical reasoning; biology; chemistry; physics and mathematics.

Additional Educational Obligations (OFA):

Students admitted with a total score of less than 45/90 and who achieved a score <13.5/27 for questions addressing knowledge in Biology, will be assigned additional educational obligations (OFAs). These obligations can be filled through remedial activities specifically provided. Failure to pass the OFA will not allow to take the Cells Molecules and Genes and Genetics exams.

The teaching activities aimed at supporting students submitted to OFA will be advertised on IMS website.

Lecture Planning

Academic Calendar of teaching activities:

- first semester courses are scheduled from mid-September through the end of January, for all years except the 1st year course, usually beginning mid-October;
- the courses of the second semester are scheduled from the first week of March to the end of May/first week of June.

The schedules of classes and non-formal activities (exercises, professionalizing activities, etc.) are published on the IMS website

Compulsory attendance

The student is required to attend all the teaching activities, with a tolerance of no more than 1/3 of the hours, according to the Regolamento. Students are required to sign their attendance at each learning activities. Should the number of absences be higher than 1/3, the Teaching Committee will take the necessary measures.

Degree programme final exams

The final test enables 13 training credits (CFU) to be acquired and focuses on the discussion of an original thesis written by the student under the guidance of a controlling member of staff (supervisor).

EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM

The University of Milan supports international mobility by providing its students with the opportunity to spend study and internship periods abroad. It is a unique chance to enrich your educational path in a new exciting environment.

The agreements entered into by the University with over 300 universities from the 27 EU member countries under the European Erasmus+ programme allow regularly enrolled students to carry out part of their studies at one of the partner universities or to undertake internships at companies, training and research centres and other organisations.

Similar international mobility opportunities are provided outside Europe, through agreements with a number of prestigious institutions.

The University of Milan is a member of the 4EU+ European University Alliance that brings together eight public multidisciplinary universities: University of Milan, Charles University of Prague, Heidelberg University, Paris-Panthéon-Assas University, Sorbonne University of Paris, University of Copenhagen, University of Geneva, and University of Warsaw. The 4EU+ Alliance offers integrated educational pathways and programmes to promote the international mobility of students (physical, blended and virtual).

Study and internships abroad

During the Degree course, students can participate to study and internship experiences abroad within the Erasmus + Programme. Students can apply for the recognition of the periods of study abroad as Electives.

The International Medical School set up an "Erasmus Desk" dedicated to students interested in both incoming and outgoing international mobility programmes, both within the Erasmus+ projects (Student Exchange and Traineeship Program) and other non-European mobility programmes, or other internships abroad (Free Movers program). The desk (erasmus.ims@unimi.it) is managed by the Erasmus tutor of the course who supports the students in the choice of the mobility programs, welcomes and manages the requests of foreign students interested in organizing a study/internship period in IMS, and assists both incoming and outgoing students in the drafting of learning agreements.

How to participate in Erasmus mobility programs

The students of the University of Milan can participate in mobility programmes, through a public selection procedure.

Ad hoc commissions will evaluate:

- Academic career
- the candidate's proposed study programme abroad
- his/her foreign language proficiency
- the reasons behind his/her application

Call for applications and informative meetings

The public selection for Erasmus+ mobility for study generally begins around February each year with the publication of a call for applications specifying destinations and requirements. Regarding the Erasmus+ Mobility for Traineeship, the University of Milan usually publishes two calls a year enabling students to choose a destination defined by an inter-institutional agreement or to find a traineeship position on their own.

The University organises informative meetings to illustrate mobility opportunities and rules for participation.

Erasmus+ scholarship

The European Union grants the winners of the Erasmus+ programme selection a scholarship to contribute to their mobility costs, which may be supplemented by the University funding for disadvantaged students.

Language courses

Students who pass the selections for mobility programmes can benefit from intensive foreign language courses offered each year by the University Language Centre (SLAM).

<https://www.unimi.it/en/node/8/>

Learn more at <https://www.unimi.it/en/node/274/>

For assistance, please contact:
International Mobility Office

Via Santa Sofia 9 (second floor)
 Tel. 02 503 13501-12589-13495-13502
 Contacts: InformaStudenti;
 Student Desk booking through InformaStudenti

1st COURSE YEAR Core/compulsory courses/activities common		
Learning activity	Ects	Sector
Anatomy	12	BIO/16
Biochemistry	6	BIO/10
Cells, molecules and genes	6	(4) BIO/11, (2) BIO/13
Fundamentals of basic sciences	12	(7) BIO/10, (5) FIS/07
Fundamentals of biomedical imaging	3	(2) FIS/07, (1) MED/36
Histology	7	BIO/17
Total compulsory credits		46
2nd COURSE YEAR (available as of academic year 2026/27) Core/compulsory courses/activities common		
Learning activity	Ects	Sector
Functions 1	15	(6) BIO/10, (9) BIO/09
Functions 2	12	(8) BIO/09, (4) BIO/16
Genetics	8	(4) MED/03, (4) BIO/13
Mechanisms of diseases	14	MED/04
Microbiology	4	MED/07
Total compulsory credits		53
Elective courses		
	3	ND
	3	ND
3rd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities common		
Learning activity	Ects	Sector
Biostatistics	5	MED/01
Foundational pharmacological principles	3	BIO/14
Fundamentals of clinical medicine 1	14	(3) MED/14, (3) MED/10, (3) MED/11, (3) MED/09, (2) MED/18
Fundamentals of clinical medicine 1 (Clerkships)	5	(1) MED/14, (1) MED/10, (1) MED/09, (1) MED/18, (1) MED/23
Fundamentals of clinical medicine 2	5	(2) MED/15, (1) MED/09, (2) MED/16
Fundamentals of clinical medicine 2 (Clerkships)	1	MED/16
Fundamentals of clinical medicine 3	11	(3) MED/12, (3) MED/13, (3) MED/35, (2) M-EDF/01
Fundamentals of clinical medicine 3 (Clerkships)	3	(1) MED/12, (1) MED/13, (1) MED/35
Translational medicine and biotechnologies 1	9	(1) BIO/11, (2) MED/46, (2) INF/01, (2) MED/07, (2) BIO/12
Total compulsory credits		56
4th COURSE YEAR (available as of academic year 2028/29) Core/compulsory courses/activities common		
Learning activity	Ects	Sector
Clinical and surgical pathology	7	MED/08
Clinical and surgical pathology (Clerkships)	1	MED/08
Clinical imaging	4	MED/36
Clinical imaging (Clerkships)	1	MED/36
Clinical oncology, hemato-oncology and radiotherapy	7	(1) MED/15, (1) MED/08, (1) BIO/14, (1) MED/36, (3) MED/06
Clinical oncology, hemato-oncology and radiotherapy (Clerkships)	2	(1) MED/15, (1) MED/06
Fundamentals of pharmacology and therapeutics	3	BIO/14
Head and neck	8	(2) MED/28, (1) BIO/09, (2) MED/31,

		(2) MED/30, (1) BIO/16
Head and neck (Clerkships)	2	(1) MED/31, (1) MED/30
Infectious diseases	6	(5) MED/17, (1) BIO/14
Infectious diseases (Clerkships)	1	MED/17
Medical psychology	6	(1) M-PSI/05, (3) M-PSI/01, (1) M-PSI/02, (1) M-PSI/08
Orthopedics, traumatology and rehabilitation	5	(4) MED/33, (1) MED/34
Orthopedics, traumatology and rehabilitation (Clerkships)	1	MED/33
Translational medicine and biotechnologies 2	5	(1) MED/46, (1) MED/07, (1) MED/05, (2) BIO/12
	Total compulsory credits	59

5th COURSE YEAR (available as of academic year 2029/30) Core/compulsory courses/activities common

Learning activity	Ects	Sector
Fundamentals of surgery	11	(1) MED/29, (1) MED/27, (1) MED/22, (1) MED/21, (5) MED/18, (1) MED/23, (1) MED/19
Fundamentals of surgery (Clerkships)	3	MED/18
Gynecology and reproductive medicine	6	(5) MED/40, (1) MED/24
Gynecology and reproductive medicine (Clerkships)	2	(1) MED/40, (1) MED/24
Medical science and clinical investigation	5	MED/09
Medical science and clinical investigation (Clerkships)	3	(2) MED/09, (1) MED/16
Neurological and behavioral disorders	12	(4) MED/26, (1) MED/34, (4) MED/25, (2) BIO/14, (1) MED/37
Neurological and behavioral disorders (Clerkships)	2	(1) MED/26, (1) MED/25
Pediatrics and child care	1	MED/38
Pediatrics and child care (Clerkships)	6	(1) MED/39, (5) MED/38
Public, global health, occupational medicine and forensic sciences	12	(1) MED/01, (1) SECS-P/07, (3) MED/44, (4) MED/43, (3) MED/42
TPVES Evaluation Internship - Medical Sciences	5	ND
TPVES Evaluation Internship - Surgical Sciences	5	ND
	Total compulsory credits	73

6th COURSE YEAR (available as of academic year 2030/31) Core/compulsory courses/activities common

Learning activity	Ects	Sector
	2	(1) MED/12, (1) MED/09
	5	ND
	6	(2) MED/09, (2) MED/18, (2) MED/41
	10	(1) MED/13, (1) MED/14, (2) MED/02, (1) MED/10, (1) MED/11, (1) INF/01, (1) MED/18, (1) MED/36, (1) MED/06
	3	(1) MED/09, (1) MED/18, (1) MED/41
	Total compulsory credits	26

Elective courses

At the end of the 1st semester of 5th year students must choose the last exam (Track) of the IMC course among the 10 Track options (Frontal lesson + Clerkships)

	4	(1) MED/01, (1) MED/02, (1) MED/46, (1) BIO/12
	10	(1) MED/03, (1) MED/04, (1) BIO/10, (1) BIO/09, (1) MED/46, (1) BIO/17, (1) MED/07, (1) MED/08, (1) BIO/14, (1) MED/05
	4	(1) MED/22, (1) MED/46, (1) MED/37, (1) MED/36

	10	(1) MED/12, (1) MED/11, (1) MED/30, (1) MED/32, (1) BIO/16, (1) MED/26, (1) MED/08, (1) MED/37, (2) MED/36
	4	(1) MED/12, (1) MED/29, (1) MED/38, (1) MED/18
	10	(1) MED/27, (1) MED/40, (1) MED/31, (1) MED/21, (1) MED/33, (1) MED/24, (2) MED/18, (1) MED/36, (1) MED/19
	4	(1) MED/29, (1) MED/40, (1) MED/30, (1) MED/18
	10	(1) MED/28, (1) MED/27, (1) MED/22, (1) MED/30, (1) MED/33, (1) MED/20, (1) MED/24, (1) MED/18, (1) MED/23, (1) MED/19
	4	(1) MED/38, (1) MED/09, (1) MED/18, (1) MED/41
	10	(1) MED/27, (1) MED/11, (1) MED/33, (1) MED/09, (1) MED/26, (1) MED/18, (2) MED/41, (1) MED/36, (1) MED/23
	4	(1) MED/01, (1) MED/02, (1) MED/43, (1) MED/42
	10	(1) MED/04, (2) MED/44, (1) MED/07, (2) MED/43, (1) MED/17, (1) BIO/14, (2) MED/42
	4	(1) M-PSI/08, (1) MED/41, (1) MED/36, (1) MED/06
	10	(1) MED/12, (1) MED/38, (1) MED/04, (1) MED/15, (1) MED/10, (3) MED/09, (1) MED/08, (1) MED/36
	4	(1) MED/09, (1) M-PSI/08, (1) M-EDF/01, (1) MED/34
	10	(1) MED/12, (1) MED/13, (1) MED/14, (1) MED/10, (1) MED/11, (1) MED/09, (1) MED/26, (1) MED/16, (1) MED/25, (1) BIO/14
	4	(1) MED/47, (2) MED/09, (1) M-PSI/08
	10	(1) MED/39, (1) MED/38, (1) MED/28, (1) MED/40, (1) MED/31, (1) MED/30, (2) MED/09, (1) MED/45, (1) MED/25
	4	(2) MED/09, (1) M-EDF/01, (1) MED/25
	10	(1) MED/03, (1) MED/38, (1) BIO/09, (1) MED/40, (1) MED/09, (1) MED/35, (2) MED/34, (1) MED/25, (1) MED/06
Further elective courses		

By the end of 6 years students should acquire also 8 CFU/ECTS in optional clerkships to be chosen among the following:		
	4	MED/09
	4	MED/10
	4	MED/11
	4	MED/14
	4	MED/35
	4	M-EDF/01
	4	MED/13
	4	MED/12
	4	MED/16
	4	MED/15
	4	MED/08
	4	MED/15
	4	BIO/14
	4	MED/36
	4	MED/06
	4	MED/31
	4	MED/30
	4	MED/28
	4	MED/34
	4	MED/33
	4	MED/05
	4	MED/46
	4	MED/07
	4	BIO/12
	4	MED/36
	4	MED/08
	4	BIO/14
	4	MED/17
	4	MED/37
	4	MED/27
	4	MED/34
	4	MED/25
	4	MED/26
	4	M-PSI/02
	4	M-PSI/08
	4	M-PSI/01
	4	M-EDF/01
	4	MED/16
	4	MED/15
	4	MED/14
	4	MED/13
	4	MED/12
	4	MED/11
	4	MED/10
	4	MED/29
	4	MED/27
	4	MED/24
	4	MED/23
	4	MED/22
	4	MED/21
	4	MED/19
	4	MED/18
	4	MED/41
	4	MED/18
	4	MED/09
	4	MED/01
	4	MED/42
	4	MED/43
	4	MED/44
	4	MED/38
	4	MED/39
	4	MED/40
	4	MED/24
End of course requirements		
	13	ND
	Total compulsory credits	13

COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
Genetics	Cells, molecules and genes	Core/compulsory
	Fundamentals of basic sciences	Core/compulsory
Functions 1	Biochemistry	Core/compulsory
	Anatomy	Core/compulsory
Fundamentals of clinical medicine 3	Mechanisms of diseases	Core/compulsory
	Microbiology	Core/compulsory
Fundamentals of clinical medicine 2	Mechanisms of diseases	Core/compulsory

	Microbiology	Core/compulsory
Fundamentals of clinical medicine 1	Mechanisms of diseases	Core/compulsory
	Microbiology	Core/compulsory
Fundamentals of biomedical imaging	Clinical imaging	Core/compulsory
Translational medicine and biotechnologies 1	Microbiology	Core/compulsory
Translational medicine and biotechnologies 2	Translational medicine and biotechnologies 1	Core/compulsory
Fundamentals of pharmacology and therapeutics	Foundational pharmacological principles	Core/compulsory
Biochemistry	Cells, molecules and genes	Core/compulsory
	Fundamentals of basic sciences	Core/compulsory
Anatomy	Histology	Core/compulsory
Fundamentals of surgery	Fundamentals of clinical medicine 3	Core/compulsory
	Fundamentals of clinical medicine 2	Core/compulsory
	Fundamentals of clinical medicine 1	Core/compulsory
	Clinical and surgical pathology	Core/compulsory
	Clinical imaging	Core/compulsory
	Fundamentals of pharmacology and therapeutics	Core/compulsory
	Neurological and behavioral disorders	Core/compulsory
Medical science and clinical investigation	Fundamentals of clinical medicine 3	Core/compulsory
	Fundamentals of clinical medicine 2	Core/compulsory
	Fundamentals of clinical medicine 1	Core/compulsory
	Clinical and surgical pathology	Core/compulsory
	Clinical imaging	Core/compulsory
	Fundamentals of pharmacology and therapeutics	Core/compulsory
	Neurological and behavioral disorders	Core/compulsory
	Fundamentals of surgery	Core/compulsory
	Medical science and clinical investigation	Core/compulsory
	Fundamentals of clinical medicine 3	Core/compulsory
	Fundamentals of clinical medicine 2	Core/compulsory
	Fundamentals of clinical medicine 1	Core/compulsory
	Clinical and surgical pathology	Core/compulsory
	Clinical imaging	Recommended
	Fundamentals of pharmacology and therapeutics	Core/compulsory
	Neurological and behavioral disorders	Core/compulsory
Mechanisms of diseases	Genetics	Core/compulsory
	Biochemistry	Core/compulsory
	Anatomy	Core/compulsory
Functions 2	Biochemistry	Core/compulsory
	Anatomy	Core/compulsory