



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2022/23**  
**SINGLE-CYCLE DEGREE**

**Medicine and Surgery - San Paolo Hospital Location (Classe LM-41)**  
**Enrolled in 2018/19 Academic Year**

### **HEADING**

<b>Degree classification - Denomination and code:</b>	LM-41 Medicine and surgery
<b>Degree title:</b>	Dottore Magistrale
<b>Length of course:</b>	6 years
<b>Total number of credits required to complete programme:</b>	360
<b>Years of course currently available:</b>	5th
<b>Access procedures:</b>	Cap on student, student selection based on entrance test
<b>Course code:</b>	D53

### **PERSONS/ROLES**

#### **Head of Study Programme**

Prof. Luca Mario Rossetti

<http://www.unimi.it/studenti/matricole/77598.htm>

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### **EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM**

The University of Milan supports the international mobility of its students, offering them the opportunity to spend periods of study and training abroad, a unique opportunity to enrich their curriculum in an international context. To this end, the University adheres to the European Erasmus+ program within which agreements with over 300 universities in over 30 countries have been signed. Under this program, students can attend one of these universities in order to pursue training in substitution of part of the curriculum foreseen by the chosen study course, including internships at companies, research and training centers or other organizations, or even to prepare their thesis. The University also maintains relationships with several other prestigious foreign institutions offering similar opportunities even within higher study levels.

#### **Study and internships abroad**

During the course in Medicine and Surgery at the Polo San Paolo, each student has the opportunity to attend part of her/his academic training abroad for 1 to 12 months. The international experience can be achieved through both institutional channels like the European project Erasmus or IFMSA (International Federation of Medical Students Associations)-associated with the Italian Society of Students in Medicine (SISM) project "Clerkship" or initiatives peculiar of the course of study (i.e. project 3E).

The offer covers both clinical and preclinical disciplines. However there is a greater tendency to take advantage of the experience in the clinical disciplines.

In particular for the Erasmus project, exchanges are currently active with universities of the following European countries: Austria, Belgium, Finland, France, Germany, Poland, Romania, Spain, and Hungary. For the project "Clerkship" the window of opportunity is extended to non-European countries, particularly in North and South America. Since the academic year 2013-2014 the Department of Health Sciences, where the course of study takes place, supports the project "Clerkship" sponsoring three scholarships for a frequency of 4 weeks.

All the training activities carried out abroad must be authorized by the College of the course of study. The acknowledgement of all or part of these activities is obtained in accordance with the provisions by the European Credit Transfer Systems (ECTS) and concurs for the achievement of the degree. The conversion of the records in the current used marks (30/30) is in accordance with the tables approved in the Academic Senate.

The "3E" project aims to stimulate even brief experiences - on a voluntary basis - abroad, the initiative is rewarded with the recognition of a elective credit in the discipline subject of the frequency, and by the provision of a voucher for books of variable amount depending on the selected country.

### How to participate in Erasmus mobility programs

To gain access to mobility programs for study purposes, lasting 3-12 months, the enrolled students of the University of Milan must attend a public selection that starts usually around the month of February each year through the presentation of specific competition announcements, which contain information on available destinations, respective duration of the mobility, requirements and deadlines for submitting the online application. The selection, aimed at evaluating the proposed study abroad program of the candidate, knowledge of a foreign language, especially when this is a preferential requirement, and the motivations behind the request, is performed by specially constituted commissions. Each year, before the expiry of the competition announcements, the University organises information sessions for the specific study course or groups of study courses, in order to illustrate to students the opportunities and participation rules. To finance stays abroad under the Erasmus + program, the European Union assigns to the selected students a scholarship that - while not covering the full cost of living abroad - is a useful contribution for additional costs as travel costs or greater cost of living in the country of destination. The monthly amount of the communitarian scholarship is established annually at national level; additional contributions may be provided to students with disabilities.

In order to enable students in economic disadvantaged conditions to participate in Erasmus+ program, the University of Milan assigns further additional contributions; amount of this contributions and criteria for assigning them are established from year to year. The University of Milan promotes the linguistic preparation of students selected for mobility programs, organising every year intensive courses in the following languages: English, French, German and Spanish.

The University in order to facilitate the organisation of the stay abroad and to guide students in choosing their destination offers a specific support service.

More information in Italian are available on [www.unimi.it](http://www.unimi.it) > Studenti > Studiare all'estero > Erasmus+

For assistance please contact:

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<b>1st COURSE YEAR (disactivated from academic year 2019/20) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Anatomy (1st year)	8	BIO/16
Biology and genetics (1st year)	5	BIO/13
Histology and embriology	7	BIO/17
Medical humanities	4	(1) MED/02, (3) M-FIL/02
Medical humanities (qualifying activity)	2	MED/09
Medical physics	6	FIS/07
Molecular bases of life (1 year)	14	BIO/10
Total compulsory credits		46
<b>2nd COURSE YEAR (disactivated from academic year 2020/21) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Anatomy (2nd year)	10	BIO/16
Biology and genetics (2 year)	5	(4) MED/03, (1) BIO/13
Clinical medicine 2nd year	1	M-PED/01
Clinical medicine 2nd year (qualifying activity)	1	MED/09
Emergency medical and surgical care (2nd year) (qualifying activity)	1	MED/41
General pathology and physiopathology	9	MED/04
Human physiology years 2	9	BIO/09
Immunology and immunopathology	5	MED/04
Medical english	3	L-LIN/12
Molecular bases of life (2 year)	7	(3) BIO/11, (4) BIO/10
Total compulsory credits		51

### 3rd COURSE YEAR (disactivated from academic year 2021/22) Core/compulsory courses/activities common

Learning activity	Ects	Sector
Communication and relationship in medicine 3rd year	4	(2) MED/09, (2) M-PSI/08
Human pathology (3rd year)	2	MED/08
Human physiology	9	BIO/09
Medical pharmacology (3rd year)	4	BIO/14
Microbiology	6	MED/07
Semiotics and pathology of systems (qualifying activity)	6	(1) MED/14, (1) MED/10, (1) MED/11, (2) MED/09, (1) MED/18
Semiotics and pathology of systems 1	17	(1) MED/03, (4) MED/14, (4) MED/10, (5) MED/11, (1) MED/09, (1) MED/24, (1) MED/18
Statistics and assessment of evidence in medicine	7	MED/01
Statistics and assessment of evidence in medicine (qualifying activity)	1	MED/01
Total compulsory credits		56

### 4th COURSE YEAR (disactivated from academic year 2022/23) Core/compulsory courses/activities common

Learning activity	Ects	Sector
Communication and relationship in medicine 4th year	2	M-PSI/08
Dermatologic clinics	3	MED/35
Dermatologic clinics (qualifying activity)	1	MED/35
Diagnostic imaging and radiotherapy	5	MED/36
Diagnostic imaging and radiotherapy (qualifying activity)	3	MED/36
Emergency medical and surgical care (4th year) (qualifying activity)	1	MED/33
Human pathology (4th year)	2	MED/08
Infectious diseases clinical	5	MED/17
Infectious diseases clinical (qualifying activity)	1	MED/17
Medical pharmacology (4th year)	3	BIO/14
Medical surgical specialties	7	(1) MED/29, (1) MED/28, (3) MED/31, (2) MED/30
Medical surgical specialties (qualifying activity)	2	(1) MED/31, (1) MED/30
Public health	7	(1) SECS-P/06, (6) MED/42
Semiotics and pathology of systems 2	18	(1) MED/03, (4) MED/12, (4) MED/13, (4) MED/15, (1) MED/09, (3) MED/16, (1) MED/18
Semiotics and pathology of systems 2 (qualifying activity)	7	(1) MED/12, (1) MED/13, (1) MED/15, (2) MED/09, (1) MED/16, (1) MED/18
Total compulsory credits		67

### 5th COURSE YEAR Core/compulsory courses/activities common

Learning activity	Ects	Sector
Clinical medicine 5th year	13	(3) MED/04, (1) M-FIL/02, (2) M-PSI/01, (4) MED/09, (1) MED/17, (2) MED/06
Clinical medicine 5th year (qualifying activity)	2	(1) MED/15, (1) MED/09
Clinical obstetrics and gynecology	5	MED/40
Clinical obstetrics and gynecology (qualifying activity)	2	MED/40
Clinical orthopedics and traumatology	5	(4) MED/33, (1) MED/34
Clinical orthopedics and traumatology (qualifying activity)	1	MED/33
Clinical training - Medicine	5	ND
Clinical training - Surgery	5	ND
Diseases of the nervous system	7	(1) MED/27, (5) MED/26, (1) MED/34
Diseases of the nervous system (qualifying activity)	2	MED/26
Emergency medical and surgical care (5th year) (qualifying activity)	1	MED/11
Human pathology (5th year)	6	MED/08
Laboratory medicine	4	(1) MED/07, (1) MED/05, (2) BIO/12
Laboratory medicine (qualifying activity)	1	BIO/12
Medical pharmacology (5th year)	3	BIO/14
Occupational health	6	MED/44
Psychiatry and behavioral psychology	5	(1) M-PSI/08, (4) MED/25
Psychiatry and behavioral psychology (qualifying activity)	1	MED/25

Surgery: clinics and therapy (5th year)	5	MED/18
Surgery: clinics and therapy (5th year) (qualifying activity)	3	(1) MED/21, (1) MED/18, (1) MED/24
Total compulsory credits	82	
<b>6th COURSE YEAR (available as of academic year 2023/24) Core/compulsory courses/activities common</b>		
<b>Learning activity</b>	<b>Ects</b>	<b>Sector</b>
Clinical medicine 6th year	3	MED/09
Clinical medicine 6th year (qualifying activity)	2	MED/09
Clinical training - Internal Medicine	5	ND
Emergency medical and surgical care	4	(1) MED/09, (1) MED/18, (2) MED/41
Emergency medical and surgical care (6th year) (qualifying activity)	1	MED/41
General and specialised pediatrics	6	(1) MED/39, (5) MED/38
General and specialised pediatrics (qualifying activity)	2	MED/38
Legal medicine	5	MED/43
Surgery: clinics and therapy (6th year)	3	MED/18
Surgery: clinics and therapy (6th year) (qualifying activity)	1	MED/18
Total compulsory credits	32	
<b>Elective courses</b>		
<b>End of course requirements</b>		
Final exam	18	NA
Total compulsory credits	18	

## COURSE PROGRESSION REQUIREMENTS

*The course contains the following obligatory or advised prerequisites*

Learning activity	Prescribed foundation courses	O/S
Human physiology	Anatomy (2nd year)	Core/compulsory
General pathology and physiopathology	Biology and genetics (2 year)	Core/compulsory
	Molecular bases of life (2 year)	Core/compulsory
Medical surgical specialties	General pathology and physiopathology	Core/compulsory
Anatomy (2nd year)	Histology and embriology	Core/compulsory
Clinical medicine 6th year	Semiotics and pathology of systems 2	Core/compulsory
	Semiotics and pathology of systems 1	Core/compulsory
	Human pathology (5th year)	Core/compulsory
	Medical pharmacology (5th year)	Core/compulsory
	Diagnostic imagining and radiotherapy	Core/compulsory
Semiotics and pathology of systems 2	Human physiology	Core/compulsory
	General pathology and physiopathology	Core/compulsory
Semiotics and pathology of systems 1	Human physiology	Core/compulsory
	General pathology and physiopathology	Core/compulsory
Human pathology (5th year)	General pathology and physiopathology	Core/compulsory
Emergency medical and surgical care	General pathology and physiopathology	Core/compulsory
Clinical orthopedics and traumatology	General pathology and physiopathology	Core/compulsory
Clinical obstetrics and gynecology	General pathology and physiopathology	Core/compulsory
Infectious diseases clinical	General pathology and physiopathology	Core/compulsory
Immunology and immunopathology	Biology and genetics (2 year)	Core/compulsory
	Molecular bases of life (2 year)	Core/compulsory
General and specialised pediatrics	General pathology and physiopathology	Core/compulsory
Surgery: clinics and therapy (6th year)	Semiotics and pathology of systems 2	Core/compulsory
	Semiotics and pathology of systems 1	Core/compulsory
	Human pathology (5th year)	Core/compulsory
	Medical pharmacology (5th year)	Core/compulsory
	Diagnostic imagining and radiotherapy	Core/compulsory
Diseases of the nervous system	General pathology and physiopathology	Core/compulsory
Dermatologic clinics	General pathology and physiopathology	Core/compulsory