



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2015/16**  
**SINGLE-CYCLE DEGREE IN**  
**MEDICINA E CHIRURGIA - (Classe LM-41)- International Medical**  
**School**  
**Immatricolati dall'a.a. 2014/2015**

### **HEADING**

**Degree classification - Deomination and code:** LM-41 Medicine and surgery

**Degree title:** Dottore Magistrale

**Length of course:** 6 years

**Total number of credits required to complete programme:** 360

**Course years currently available:** 1°, 2°

**Access procedures:** Cap on student numbers, student selection based on entrance test

**Course code:** D56

### **PERSONS/ROLES**

**Head of Study Programme**

Prof. Raffaello Furlan

**Degree Course website**

[www.ims.unimi.it](http://www.ims.unimi.it)

**- Referees:**

**- Prof. Raffaello Furlan**

Email: [raffaello.furlan@unimi.it](mailto:raffaello.furlan@unimi.it)

**- Dott.ssa Gabriella Cerri**

Email: [gabriella.cerri@unimi.it](mailto:gabriella.cerri@unimi.it)

**- Prof. Roberto Cerbino**

Email: [roberto.cerbino@unimi.it](mailto:roberto.cerbino@unimi.it)

**- Prof. Antonio M. Carrassi**

Email: [antonio.carrassi@unimi.it](mailto:antonio.carrassi@unimi.it)

**- Prof. Massimo Locati**

Email: [massimo.locati@unimi.it](mailto:massimo.locati@unimi.it)

**- Prof.ssa Laura Riboni**

Email: [laura.riboni@unimi.it](mailto:laura.riboni@unimi.it)

**- Prof.ssa Anna Marozzi**

Email: [anna.marozzi@unimi.it](mailto:anna.marozzi@unimi.it)

**- Dott.ssa Federica Compostella**

Email: [federica.compostella@unimi.it](mailto:federica.compostella@unimi.it)

**- Segretary: Dott.ssa Marcella Montagna**

## **IMMATRICOLAZIONI E AMMISSIONI**

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

## **CHARACTERISTICS OF DEGREE PROGRAMME**

### **Introduction**

These regulations apply to the teaching activities and management of the single cycle degree course in Medicine and Surgery known as 'University of Milan International Medical School' set up at the LITA-Interdisciplinary Laboratory of Advanced Technologies (Segrate) and at the Sacco Hospital and at the medical centers of excellence affiliated with the University of Milan, as part of class LM-41 in the Faculty of Medicine and Surgery at the University of Milan.

The course lasts six years.

### **General and specific learning objectives**

The degree course consists of 360 credits overall, spread over a six-year programme, 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) the scientific bases and the necessary theoretical-practical preparation to Directive 75/363/CEE on the practice of the medical profession;
- 2) 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 an 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 recognise 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 degree in Medicine and Surgery gives access to the State Examination for authorisation to practise as a M.D. Once the examination has been passed, access is given to registration in the relative professional order. In addition, the degree in Medicine and Surgery is a requirement for entry to the Postgraduate Medical Schools or the postgraduate courses for general practitioner.

### **Programme structure**

The planned length of the single cycle degree course in Medicine and Surgery is six years, divided into 12 semesters, during which a total of 274 credits (CFU, University Formative Credits) are distributed as traditional lessons, training work in small groups, classroom exercises, laboratories, and seminars, and distance training; 60 credits will be obtained from professionalising activities and 8 credits from individually selected activities (Electives). Also 18 CFU are accredited for the preparation of the final thesis. The distribution of CFU among the lessons, the different courses and teaching modalities, as well as the distribution of courses in semesters, is constantly monitored by the Educational Board and may be changed, within the limits of current legislation, according to the continuous updating and optimization of the student's education.

Passage to the following years

Only those students who have successfully taken the examinations set out in the table below by the end of the session in September are permitted to move from one year of the course to the next:

To enroll in the III year the following exams must have been taken:

- Fundamentals of basic sciences
- Cells molecules and genes I –II
- Functions
- Human Body

To enroll in the IV year the following exams must have been taken:

- Mechanisms of diseases

### **Conscientious objection policy**

In compliance with Act No. 413 of October 12, 1993 "Regulations on conscientious objection to animal experimentation", the Faculty of Medicine recognizes the undisputed right to conscientious objection by students. Students may be exonerated from the attendance at laboratory exercises in which testing is scheduled on live or dead animals. The achievement of the scientific and practical knowledge for passing the exams will be granted, in accordance with the educational objectives of the specific degree programs, through substitutive methods suggested by the teachers.

### **Subjects organisation**

a) Lectures and seminars

A lecture is the presentation by the teacher of the course content regarded as fundamental for the acquisition of the basic knowledge in a given discipline.

A seminar is similar to a lecture but is jointly conducted by a number of teachers with different skills, and annotated as such in the register of the lessons taught by each of them.

b) Interactive teaching

Interactive teaching activities geared towards a small group of students and co-ordinated by a tutor, with a view to facilitating the students in acquiring knowledge, abilities and behavioural models. Learning mainly takes place through the stimuli from the analysis of problems finalized to their solution through adequate decisions. Interactive learning includes: problem based learning (PBL); clinical cases discussion; journal clubs; Medical Humanities laboratories.

Also, interactive teaching takes place in the clinical wards and laboratories, with the assistance of qualified university or hospital professionals.

c) Distance Learning (FAD)

The Faculty may make use of audio-visual technologies, installed in specially equipped rooms, for some courses. The special rooms enable students to follow the lecturer 'live' even though he may be in another centre. The audio-visual equipment allows the lecturer and students to interact during the lesson.

### **Elective training chosen by the Students**

The course provides for training work chosen by the student, distributed throughout the entire course of study.

These selected activities offer the student the opportunity to analyse specific or innovative subjects, choosing from a range of suggestions offered each year by the Faculty. Selected activities may be of different types and attendance is compulsory. This course will privilege elective courses tailored to education to basic research in the first 2 preclinical years and translational research in the following years. The three types of selected activity are configured-as:

1. seminar type courses;
2. internships;
3. participation in conferences and congresses.

Similarly, a fourth type of selected activity can be configured:

4. 'summer internships', whose regulation is covered by Art. 8 of the Faculty Regulations on Selected Activities.

The student will mature 1 credit for every three conferences/congresses attended during the chosen course of study for Type 3 activities (attendance at conferences and congresses). The student can acquire a maximum of 1 credit for attending Type 3 activities (attendance at conferences and congresses) during the period of the chosen studies.

At the end of the attendance of the Selected Activity (elective) students who have at least 75% of attendance will receive a certificate and the credits.

The specific regulation of selected activities can be found in the Faculty Regulations on Selected Activities.

The student is required to attend all the teaching activities, with a tolerance of no more than 20% of the hours. Students are required to sign their attendance at each learning activities. Should the number of absences be higher than 25%, the Teaching Committee will take the necessary measures.

### **Compulsory attendance**

The student is required to attend all the teaching activities, with a tolerance of no more than 25% of the hours. Students are required to sign their attendance at each learning activities. Should the number of absences be higher than 25%, the Teaching Committee will take the necessary measures.

### **Testing and assessment procedures**

Each course has a single exam, which is always individual, and the mark will be expressed in thirtieths. Ongoing tests (prove in itinere) are also performed, exclusively with a view to confirming the effectiveness of the learning and teaching processes in relation to the course content in question and do not have any official certifying value.

### **Degree programme final exam**

The final test enables 18 training credits 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).

### **Criteria for admission to degree course final exam**

The degree examination focuses on the discussion of an original thesis written in English by the student under the guidance of a controlling member of staff; an assistant supervisor may also be involved.

The student has to have taken all the examinations set out in the study plan and obtained a total of 342 teaching credits to be admitted to the degree examination.

The final marks, out of a total of 110, are decided by:

- a. the mark for the presentation in the degree session (average out of 110),
- b. the marks allocated by the degree commission.

The marks allocated to each candidate by the members of the commission are secret. The maximum number of marks that may be allocated by the degree commission is 10, in addition to the average presentation marks. Only candidates whose presentation mark is at least 102 can obtain the maximum total marks (110), and this is subject to confirmation of the results he has achieved and the unanimous approval of the commission.

## ***EXPERIENCE OF STUDY ABROAD AS PART OF THE DEGREE 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**

The Program Erasmus+ provides European students with the opportunity to spend a period of study at an eligible partner University abroad, as a recognised part of their curriculum. The International Medical School participate to the Erasmus+ Program network, offering its students the opportunity to visit a host institution and attend lectures, seminars, participate in clerkships and research activities, attend scholarships for planning their dissertation. Destination can be chosen among the following European University: Austria (Wien), Belgio (Liege), Finlandia (Turku), Francia (Bordeaux, Lyon, Toulouse), Germania (Frankfurt am Main, Koln, Munchen, Wittenberg), Grecia (Volos), Polonia (Gdansk, Katowice, Lodz, Poznan, Torun, Warsaw), Portogallo (Lisboa, Porto), Romania (Napoca, Timisoara), Spagna (Alcalá, Cordoba, Elche, Laguna, Lleida, Madrid, Malaga, Murcia, Valencia, Zaragoza). Students admitted to year 3 to 6 can participate to Erasmus+ Program, planning a study period of 3-12 months in the hosting institution. Personnel of the Sportello Erasmus, may help in choosing appropriate activities and obtaining credits. Before leaving Italy, students should discuss a learning agreement and obtain approval by the Referent of Erasmus Programs. Final votes will be converted into the Italian system according to ECTS (European Credit Transfer System) conversion table, published on the website and shared by all the Medicine Departments of the University of Milan. 20 ECTS (CFU) will be recognised for a 3-month period abroad, 30 ECTS for 6 months and 60 ECTS for 9-12 months.

International Medical School students may also participate to Erasmus+ Placement Programs, to initiate scientific collaborations in international researches. Through clinical and research activities, they will improve scientific and relational skills by approaching new and different cultures and didactic methods.

Further opportunities will be offered to the students of the International Medical School by a bilateral agreement with extra European Universities (i.e. North and South America, with specific procedures different from those regulating Erasmus+ Programs). These agreements allow different exchange programs, including the Clerkship Program of the International Federation of Medical Students Associations (IFMSA).

### **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:

Ufficio Accordi e relazioni internazionali

via Festa del Perdono 7 (ground floor)

Tel. 02 503 13501-12589-13495-13502

Fax 02 503 13503

E-mail: [mobility.out@unimi.it](mailto:mobility.out@unimi.it)

Desk opening hour: monday-friday 9 - 12

## **ADMISSION CRITERIA: 1ST YEAR CAP ON STUDENT, STUDENT SELECTION BASED ON ENTRANCE TEST**

### **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. Pursuant to Law 264 date 2.8.1999, the test is the same for all Italian public universities and takes place on the same day at the same time; however, the classification is drawn up for each university. To enter medical school in Italy all citizens have to pass an admission test. The number of students who can be admitted is defined annually by a Decree of the Ministry of Education and Research (MIUR), 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 shown by the Lombardy Region and the competent Ministry referring to the requirement for medical staff with the reference professional profile. Candidates who have a High School Diploma or alternative qualification achieved abroad and recognised as suitable can be admitted to the single cycle degree courses in Medicine and Surgery. Candidates in an appropriate position in the classification of the admission test must complete registration through the on-line SIFA terminal.

### **Entry test method**

The admission test consists of a written test based on multiple-choice questions, according to a special program provided by the MIUR. The admission test shall be in English and shall include 60 questions on topics such as biology, chemistry, physics and reasoning. The test will take place on a national level on a date to be established by the MIUR

<b>1° COURSE YEAR Core/compulsory courses/activities</b>				
<b>Scheduling</b>	<b>Learning activity</b>	<b>Module/teaching unit</b>	<b>Ects</b>	<b>Sector</b>
<i>annuale</i>	Human body (Total number of ects:19)	Histology and embryology	6	BIO/17
		Anatomy	13	BIO/16
<i>1 semestre</i>	Cells, molecules and genes 1 (Total number of ects:7)	Histology and embryology	1	BIO/17
		Biology	2	BIO/13
		Molecular biology	4	BIO/11
<i>1 semestre</i>	Fundamentals of basic sciences (Total number of ects:10)	Chemistry and introduction biochemistry	6	BIO/10
		Medical Physic	4	FIS/07
<i>2 semestre</i>	Cells, molecules and genes 2 (Total number of ects:12)	Biochemistry	6	BIO/10
		Biology	4	BIO/13
		Genetics	2	MED/03
		Total number of compulsory credits/ects	48	
<b>2° COURSE YEAR Core/compulsory courses/activities</b>				
<b>Scheduling</b>	<b>Learning activity</b>	<b>Module/teaching unit</b>	<b>Ects</b>	<b>Sector</b>
<i>annuale</i>	Functions (Total number of ects:28)	Physiology	16	BIO/09
		Biochemistry	6	BIO/10
		Anatomy	3	BIO/16
		Medical physics	2	FIS/07

		Chemistry and introduction biochemistry	1	BIO/10
<i>annuale</i>	Mechanisms of diseases (Total number of ects:23)	General pathology and immunology	15	MED/04
		Microbiology	6	MED/07
		Genetics	2	MED/03
		Total number of compulsory credits/ects	51	

### **3° COURSE YEAR (To be made available as of academic year 2016/17) Core/compulsory courses/activities**

<b>Scheduling</b>	<b>Learning activity</b>	<b>Module/teaching unit</b>	<b>Ects</b>	<b>Sector</b>
<i>1 semestre</i>	Bed side approach and clinical methodology (clerkship) (Total number of ects:2)	Internal medicine	1	MED/09
		General surgery	1	MED/18
<i>1 semestre</i>	Bed side approach and clinical Methodology_ (Total number of ects:6)	Internal medicine	3	MED/09
		General surgery	2	MED/18
		General psychology	1	M-PSI/01
<i>1 semestre</i>	Pharmacology I		3	BIO/14
<i>1 semestre</i>	System diseases 1 (Total number of ects:11)	Cardiovascular diseases	2	MED/11
		Nephrology	4	MED/14
		Pathology	1	MED/08
		Radiology	2	MED/36
		Microbiology	1	MED/07
		Clinical Biochemistry	1	BIO/12
<i>1 semestre</i>	System diseases 1 (clerkship) (Total number of ects:4)	Cardiovascular diseases	1	MED/11
		Nephrology	2	MED/14
		Radiology	1	MED/36
<i>2 semestre</i>	Biostatistics		5	MED/01
<i>2 semestre</i>	Health informatics		3	INF/01
<i>2 semestre</i>	System diseases 2 (Total number of ects:12)	Blood diseases	4	MED/15
		Respiratory diseases	4	MED/10
		Pathology	1	MED/08
		Radiology	1	MED/36
		Microbiology	1	MED/07
		Clinical biochemistry	1	BIO/12
<i>2 semestre</i>	System diseases 2 (clerkship) (Total number of ects:4)	Respiratory diseases	1	MED/10
		Blood diseases	2	MED/15
		Radiology	1	MED/36
		Total number of compulsory credits/ects	50	

### **4° COURSE YEAR (To be made available as of academic year 2017/18) Core/compulsory courses/activities**

<b>Scheduling</b>	<b>Learning activity</b>	<b>Module/teaching unit</b>	<b>Ects</b>	<b>Sector</b>
<i>1 semestre</i>	Dermatology		3	MED/35
<i>1 semestre</i>	Dermatology (clerkship)		1	MED/35
<i>1 semestre</i>	Infectious diseases (Total number of ects:6)	Infectious diseases	5	MED/17
		Pharmacology	1	BIO/14
<i>1 semestre</i>	Infectious Diseases (clerkship)		1	MED/17
<i>1 semestre</i>	Pharmacology II		3	BIO/14
<i>1 semestre</i>	System diseases 3 (Total number of ects:14)	Gastroenterology	4	MED/12
		Endocrinology	4	MED/13
		Pathology	2	MED/08
		Radiology	2	MED/36
		Microbiology	1	MED/07
		Clinical Biochemistry	1	BIO/12
<i>1 semestre</i>	System diseases 3 (clerkship) (Total number of ects:7)	Gastroenterology	3	MED/12
		Endocrinology	2	MED/13
		Radiology	1	MED/36
		Pathology	1	MED/08
<i>2 semestre</i>	Bone and joint diseases (Total number of ects:7)	Reumatology	2	MED/16
		Orthopedics	4	MED/33
		Rehabilitation medicine	1	MED/34
<i>2 semestre</i>	Bone and joint diseases (clerkship) (Total number of ects:5)	Orthopedics	3	MED/33
		Rheumatology	2	MED/16
<i>2 semestre</i>	Clinical and surgical pathology		4	MED/08
<i>2 semestre</i>	Clinical Oncology and Radiotherapy (Total number of ects:7)	Medical oncology	3	MED/06
		Radiology and radiotherapy	1	MED/36

		Pharmacology	1	BIO/14
		General psychology	1	M-PSI/01
		Pathology	1	MED/08
2 semestre	Clinical oncology and radiotherapy (clerkship) (Total number of ects:4)	Medical oncology	3	MED/06
		Radiology and radiotherapy	1	MED/36
2 semestre	Head and neck (Total number of ects:9)	Odontostomatological diseases	2	MED/28
		Ophthalmology	2	MED/30
		Otorhinolaryngology	2	MED/31
		Human physiology	1	BIO/09
		Anatomy	1	BIO/16
		Maxillofacial surgery	1	MED/29
2 semestre	Head and neck (clerkship) (Total number of ects:3)	Otorhinolaryngological diseases	1	MED/31
		Odontostomatological diseases	1	MED/28
		Ophthalmological diseases	1	MED/30
		Total number of compulsory credits/ects	74	

**5° COURSE YEAR (To be made available as of academic year 2018/19) Core/compulsory courses/activities**

Scheduling	Learning activity	Module/teaching unit	Ects	Sector
annuale	Clinical practice 5th year (clerkship) (Total number of ects:6)	Internal medicine	2	MED/09
		General surgery	2	MED/18
		Thoracic surgery	1	MED/21
		Urology	1	MED/24
annuale	Clinical practice 5th year (Total number of ects:17)	Pharmacology	1	BIO/14
		Clinical pathology	1	MED/05
		Internal medicine	7	MED/09
		General surgery	5	MED/18
		Plastic surgery	1	MED/19
		Thoracic surgery	1	MED/21
		Urology	1	MED/24
1 semestre	Neurobiology, human behaviour and clinical neuroscience (Total number of ects:19)	Neurology	5	MED/26
		Anatomy	1	BIO/16
		Human physiology	1	BIO/09
		Neurosurgery	1	MED/27
		Pharmacology	1	BIO/14
		General Psychology	1	M-PSI/01
		Clinical Psychology	1	M-PSI/08
		Infant neuropsychiatry	1	MED/39
		Phatology	1	MED/08
		Mental health	4	MED/25
		Radiology	1	MED/36
		Rehabilitation medicine	1	MED/34
1 semestre	Neurobiology, human behaviour and clinical neuroscience (clerkship) (Total number of ects:3)	Neurology	2	MED/26
		Mental health	1	MED/25
1 semestre	Traslational cardiovascular medicine and surgery (Total number of ects:4)	Cardiovascular diseases	2	MED/11
		Cardiac surgery	1	MED/23
		Vascular surgery	1	MED/22
1 semestre	Traslational cardiovascular medicine and surgery (clerkship) (Total number of ects:3)	Cardiovascular diseases	1	MED/11
		Cardiac surgery	1	MED/23
		Vascular surgery	1	MED/22
2 semestre	Obstetrics, gynecology and pediatrics (Total number of ects:10)	Obstetrics, gynecology	5	MED/40
		Pediatrics	5	MED/38
2 semestre	Obstetrics, gynecology and pediatrics (clerkship) (Total number of ects:4)	Obstetrics, gynecology	2	MED/40
		Pediatrics	2	MED/38
2 semestre	Public health and environmental medicine (Total number of ects:12)	Occupational medicine	5	MED/44
		General and applied hygiene	6	MED/42
		Applied economics	1	SECS-P/06
2 semestre	Public health and environmental medicine (clerkship)		1	MED/44
		T total number of compulsory credits/ects	79	

**6° COURSE YEAR (To be made available as of academic year 2019/20) Core/compulsory courses/activities**

Scheduling	Learning activity	Module/teaching unit	Ects	Sector
	Final examination		18	
1 semestre	Clinical practice 6th year (Total number of ects:10)	Internal medicine	4	MED/09
		General surgery	3	MED/18
		Medical statistic	2	MED/01
		General psychology	1	M-PSI/01
1 semestre	Clinical practice 6th year (clerkship) (Total number of ects:6)	Internal medicine	3	MED/09
		General surgery	3	MED/18
1 semestre	Emergencies (Total number of ects:6)	General surgery	2	MED/18
		Internal medicine	2	MED/09
		Anesthesiology	2	MED/41
1 semestre	Emergencies (clerkship) (Total number of ects:6)	Respiratory diseases	1	MED/10
		Cardiovascular diseases	1	MED/11
		Neurology	1	MED/26
		Neurosurgery	1	MED/27
		Orthopedics	1	MED/33
		Anesthesiology	1	MED/41
1 semestre	Forensic medicine (Total number of ects:4)	Forensic medicine	3	MED/43
		Occupational medicine	1	MED/44
		Total number of compulsory credits/ects	50	

**Further electives**

By the end of 6 years students should acquire 8 credits in elective activities.

**COURSE PROGRESSION REQUIREMENTS**

Degree programme course progression is subject to the following compulsory or recommended pre-requisites

Learning activity / course	Prescribed foundation courses	
Emergencies	Pharmacology I	Core /compulsory
	System diseases 1	Core /compulsory
	System diseases 2	Core /compulsory
	System diseases 3	Core /compulsory
	Pharmacology II	Core /compulsory
	Neurobiology, human behaviour and clinical neuroscience	Core /compulsory
	Clinical and surgical pathology	Core /compulsory
Functions	Fundamentals of basic sciences	Core /compulsory
	Human body	Core /compulsory
	Cells, molecules and genes 1	Core /compulsory
	Cells, molecules and genes 2	Core /compulsory
Mechanisms of diseases	Functions	Core /compulsory
System diseases 1	Mechanisms of diseases	Core /compulsory
System diseases 2	Mechanisms of diseases	Core /compulsory
System diseases 3	Mechanisms of diseases	Core /compulsory

**VALIDATION OF ECTS ACQUIRED IN OTHER/PREVIOUS DEGREE PROGRAMMES/ THROUGH PROFESSIONAL EXPERIENCE**

**Validation**

The studies carried out at other courses in the State university of Milan and in other universities, and the credits awarded as their result, will be acknowledged by the Faculty on the proposal of the Teaching Co-ordination Committee (TCC) for Medicine and Surgery, which may set up an ad hoc commission. If the criteria for progression from one year to another have been satisfied, the commission will indicate the examinations confirmed and the course year to which the student may be admitted. Enrolment in a specific year of the course is, in any case, subject to the availability of positions, on the basis of the maximum number of students scheduled for admission by the Faculty.

**Time limits for credit validation**

Following each exam successfully passed, the Student shall be credited of the pertinent CFU.  
The validity of the CFU is submitted to confirmation and validation 10 years after its acquisition