



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**MANIFESTO DEGLI STUDI A.A. 2022/23**  
**LAUREA MAGISTRALE IN**  
**SAFETY ASSESSMENT OF XENOBIOTICS AND**  
**BIOTECHNOLOGICAL PRODUCTS (Classe LM-9)**  
**For students enrolled from 2015/16 academic year**

### **GENERALITA'**

<b>Classe di laurea di appartenenza:</b>	LM-9 BIOTECNOLOGIE MEDICHE, VETERINARIE E FARMACEUTICHE
<b>Titolo rilasciato:</b>	Dottore Magistrale
<b>Durata del corso di studi:</b>	2 anni
<b>Crediti richiesti per l'accesso:</b>	180
<b>Cfu da acquisire totali:</b>	120
<b>Annualità attivate:</b>	1°, 2°
<b>Modalità accesso:</b>	Libero con valutazione dei requisiti di accesso
<b>Codice corso di studi:</b>	E52

### **RIFERIMENTI**

#### **Presidente Collegio Didattico**

Prof. Emanuela Corsini - Tel. +39 02503 18241 Email: emanuela.corsini@unimi.it

#### **Docenti tutor**

Academic guidance tutors

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Master's degree admission tutors

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Erasmus and international mobility tutors

Prof. Stefania Maria Ceruti - Via Balzaretti, 9 Milano Tel. +39 02 5031 8261 Email: stefania.ceruti@unimi.it

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Internship tutors

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Prof. Emanuela Corsini - Via Balzaretti, 9 Milano Tel. +39 02 5031 8241 Email: emanuela.corsini@unimi.it

#### **Sito web del corso di laurea**

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

#### **Contact**

Email: saxbi@unimi.it

#### **Enrolment and Admission**

<https://www.unimi.it/en/study/enrolment>

#### **Student Desks**

Via Celoria 18, Milano Tel. 02 5032 5032 <https://www.unimi.it/en/node/360> <https://www.unimi.it/en/node/359>

#### **Student Office of the Department of Pharmacological and Biomolecular Sciences Dr.ssa Antonella Masi**

Via Balzaretti, 9 Milano Tel. 02 5031 8231 Email: antonella.masi@unimi.it

#### **Suggestions to improve**

Email: saxbi@unimi.it

### **CARATTERISTICHE DEL CORSO DI STUDI**

#### **Premessa**

The industrial revolution has resulted in a profound and irreversible transformation that starts from the productive system to involve the economic as the entire social system.

This has resulted in the need to regulate the complex world of chemicals both as regards their use and, above all, their safety. The rapid evolution of the productive system has not been followed by the generation of professionals with the competence and skills necessary to ensure the efficient and continuous monitoring of the environment and food chain.

As a result, the need to train professionals who can fit authoritatively in the complex process of risk assessment and possibly also in its management is imperative not only in the national, but also in the international context. The recent implementation of regulatory frameworks for chemicals, plant protection products, biocides, pharmaceuticals, food contaminants, and cosmetics by the European Commission and other interested bodies have resulted in a demand for trained health risk assessors across the world. Not only are more trained professionals needed to work in regulatory affairs such as European agencies and national and international authorities, but also industry, research and the academic setting need such professionals.

In Europe this issue has become even more relevant in view of the activity of the agencies such the European Food Safety Authority (EFSA), European Chemical Agency (ECHA) and European Medicine Authority (EMA) and the application of the European regulations which requires authorities and private companies to collect, to select and to correctly evaluate the data of effect and exposure for a large number of chemicals.

Today, only a limited number of training courses specifically in human health risk assessment are available in Europe as shown from data collected by the University of Milan in a EU-sponsored market survey "Mapping existing courses relevant to risk assessment in Europe" and although some basic training in health risk assessment is part of most toxicology university programs, the preparation is often not enough to provide excellent candidates to become risk assessors.

The Master Degree in "Safety Assessment of Xenobiotics and Biotechnological Products" (SAXBi) integrates chemical, biological and toxicological disciplines with a particular focus on the regulatory field.

The Department of Pharmacological and Biomolecular Sciences at the Università degli Studi di Milano is the reference point and the main Institution responsible for the SAXBi Master Degree.

### **Obiettivi formativi generali e specifici**

The aim of the Master Course is to present provision of training program in risk assessment based on common European and international criteria, easily adoptable by institutions across Europe and focusing on Risk Assessment methodology and procedure. The project focuses on understanding the profile and training requirements of risk assessors in order to design a degree covering a range of disciplines in risk assessment and providing a model to establish a recognition of risk assessors. To this end, the Master degree in "Safety Assessment of Xenobiotics and Biotechnological Products" (SAXBi) has been certified (the first one in Europe), according to the Standard UNI EN 16736 and to the AICQ SICEV Regulation RG 06-1, that well define the formation for risk assessors.

The Master level "Safety assessment of xenobiotics and biotechnological products (SAXBi)" is equivalent to the second-level higher education award that refers to the second cycle in the Qualifications Framework of the European Higher Education Area (EHEA), designed by the Bologna Accords (1999) which refers to level 7 of the European Union's European Qualifications Framework. The degree requires 120 European Credit Transfer System (ECTS), and the expected learning outcomes will meet those specific to the second Dublin descriptor.

### **Risultati di apprendimento attesi**

The Master Course provides specific knowledge in the analysis and assessment of risk, taking into account the international regulations. In addition, the ambition of the course is to provide the students with a multidisciplinary background sufficient to initiate research on the novel methodologies to be applied in the field of risk assessment. It is believed that the professional profiles formed will find employment in the European and international Institutions and Agencies dealing with the protection of health of consumer and the environment, as well as in companies operating in the chemical, agrochemical, pharmaceutical and food field.

As mentioned in the program of activity of ECHA "In the evaluation of dossiers ECHA produces scientific judgments. These judgments must be based on scientific principles accurate and require well-trained and competent experts. A number of scientific disciplines, such as toxicology, chemistry, epidemiology, occupational hygiene, environmental fate and effects on the environment, exposure assessment and characterization and risk management, must come to comprehensive evaluation results from the scientific point of view."

The Master provides the methodological background, knowledge and skills necessary to apply current methodologies and generate novel protocols, to acquire competence in problem-solving, to assess risks arising from production and use of chemicals and biotechnological products, with particular attention to the implementation of European Regulations through the integrated development of different areas including legislation, chemistry, toxicology and pharmacology, biotechnology and risk analysis. The graduates will have specific expertise in the areas of:

- community law, national and international legislation on chemicals, risk and safety;
- toxic and eco-toxic properties of chemicals and biotechnological products;
- methods and procedures for the characterization of chemical substances and biotechnological products;
- computational techniques for the estimation of the chemical and toxicological properties of substances;
- procedures for registration of chemicals under various European regulations;
- evaluation of risks inherent to the production and use of chemicals and biotechnological products;
- evaluation of new materials such as those produced by nanotechnologies and new processes;
- strategies of synthesis and production of alternatives to the toxic and/or eco-friendly;
- basis on risk perception and risk communication.

## Profilo professionale e sbocchi occupazionali

The professional profiles generated will be employed by:

- public administration for the control, implementation and management of human health and environmental protection;
- industry Associations (Food, Cosmetics, Pharma, Chemicals);
- pharma Companies in the sector of drug development;
- biotech Companies;
- contract Research Organization for the drug toxicity testing;
- food and Chemical Companies in Quality Control divisions;
- bioremediation Companies;
- innovative energy plants;
- public and Private Companies for the implementation and application of appropriate RA procedures;
- private sectors as consultants for RA of chemicals, food contaminants, water and air pollutants;
- public and Private Research Institutions;
- universities and secondary schools;
- researcher at public and private research institutions;
- researcher in industry (research and development sector);
- risk assessor in public and private organizations;
- quality certifier.

## Conoscenze per l'accesso

### Admission Requirements

To be admitted to a 2nd course/level degree course, a 1st level degree or a suitable equivalent foreign qualification is required (see also the "Admission criteria" section).

Access to the Master in "Safety Assessment of Xenobiotics and Biotechnological Products" (SAXBi) is open to:

- graduates with Italian degree (ex. DM 270/04 or equivalent ex. DM 509/99) in the areas L2 or L29;
- graduates from areas other than the above listed, provided they have earned the following credits:
- at least 9 credits (ECTS) in disciplines of CHIM/01, CHIM/03 or CHIM/06 (analytical chemistry; general and inorganic chemistry; organic chemistry);
- at least 5 credits in disciplines BIO/09 (physiology);
- at least 12 credits in disciplines BIO/10, BIO/11 or BIO/13 (biochemistry; molecular biology; applied biology);
- at least 6 credits in disciplines BIO/14 (pharmacology/toxicology);

Students with foreign qualification recognised as equivalent may access to the Master in SAXBi if they can demonstrate background knowledge and skills in biology, chemistry, biochemistry, pharmacology, toxicology and physiology, equivalent to those listed above. A committee of teachers appointed by the Board of Faculty will check the presence of these requirements.

### Knowledge Assessment

Students meeting the above minimum requirements are invited to an interview for admission (in English) with the Commission for Admittance to the Master, composed by teaching members appointed by the Teaching Board. The interview, done remotely via electronic devices if necessary, is aimed at verifying the above mentioned skills and the knowledge of the English Language equivalent to B2 level.

Students who have not yet graduated but who expect to graduate by December 2022 can also apply for admission to the Master in SAXBi.

Interviews of applicants will be held according to a calendar proposed individually to each applicant.

The committee evaluates the candidate on a 100-point scale:

- up to 25/100 will be given for the graduation mark
- up to 25/100 for the curriculum (free courses, others...)
- up to 50/100 for the interview

The minimum requirement for admission is 60/100.

## Struttura del corso

The 2nd cycle course, also known as a Laurea Magistrale (qualification Dottore Magistrale), provides the student with advanced education and training for professions in specific fields that require a high level of qualification. The course lasts two years, and each year is subdivided into two semesters. To obtain the qualification (2nd level degree) it is necessary to accumulate 120 credits. Each credit corresponds to a standard student workload of 25 hours, including:

- 8 hours of lectures followed by 17 hours of individual study;
- 16 hours of practical labs followed by 9 hours of individual study;
- 25 hours of training activities related to the thesis;
- 25 hours of individual study.

The SAXBi Master Degree integrates chemical, biological and toxicological disciplines with a particular focus on the regulatory field.

The Department of Pharmacological and Biomolecular Sciences at the Università degli Studi di Milano is the reference point and the main Institution responsible for the SAXBi Master Degree.

## ATTENDANCE

Recommended to the course, see section "Compulsory attendance" for the labs.

## STUDY PLAN DEFINITION AND SUBMISSION FOR APPROVAL

The student must provide an individual study plan indicating the elective course units for a total of 8 credits. These will be chosen freely among all courses provided by the University of Milan if they are consistent with the educational project, after consulting the Study Programme committee. As alternative, the student can also choose the Laboratory of Risk assessment (8 CFU). This laboratory aims to deepen the theoretical and practical aspects of the research topic of the thesis and it will be agreed with the thesis tutor.

The study plan must be submitted online in the 1st Year, within the deadline set by the Segreteria Studenti. For information on dates and procedures for submitting the official study plan, please visit the relevant section of the UNIMI website available in <https://safetyassessment.cdl.unimi.it/en/study/study-plan-submission> and <https://www.unimi.it/en/node/122/>.

Other training activities (3 ECTS)

In order to facilitate the completion of cultural and professional training of students, activities of orientation to the career are also planned, including meetings and seminars of experts in various fields inherent to the degree.

The credits obtained in these activities ("Other training activities" in the study plan) must be cumulated to reach 3 ECTS=24 hours. Students are expected to provide certificates of the activities attended and to deliver short presentations of the attended activities during specific days planned during the academic year.

Additional Language Skills: Italian (foreign students)

To obtain the degree, students without an Italian degree or diploma are required to attain an Italian language proficiency at level A2 within the Common European Framework of Reference for Languages (CEFR). This level can be assessed by the end of the degree course in the following ways:

- by submitting the language certificate achieved no more than three years prior to the submission, at level A2 or higher, recognised by the University (the list of recognised language certificates can be found at: <https://www.unimi.it/en/node/349/>). The language certificate must be uploaded through the service <https://informastudenti.unimi.it/saw/ess?AUTH=SAML> by choosing the category SLAM;
- by an entry-level test, organised by SLAM, which can be taken at the beginning of the 2nd year - first semester.

Students who fail to reach level A2 will have to attend a 60-hour Italian course organised by SLAM and to pass the final test during the I semester of the second year of study in order to earn 3 ECTS credits of Additional Language Skills: Italian.

## TESTING AND ASSESSMENT PROCEDURES

Course exams must be passed, with grades calculated on a 30-point scale, to obtain course credits, with 18/30 being the minimum pass grade. The assessment will consist of an oral or written exam. For courses structured into modules, a head lecturer will be identified as the coordinator, and evaluation procedures for course outcomes and the registration of examination grades will be agreed by all associated teaching members.

The schedule of the examination sessions for the assessment of the learning outcomes is available through the on line service available at <https://www.unimi.it/en/node/134/>

Exam registration is compulsory and must be carried out through the on line service available at <https://www.unimi.it/en/node/130/>

## TEACHING CALENDAR AND LECTURE TIMETABLE

Classes starting on September 26th, 2022 – January 20th, 2023 (First semester) and on February 27th – June 23rd, 2023 (Second semester). Exams are taking place mainly during February and July-September sessions, and in other dates to be agreed with students, possibly not in conjunction with lessons. The lecture timetable is available at <https://www.unimi.it/en/node/128/> Download "Lezioniunimi", LaStatale app for Android, iOS and Windows phone.

## Obiezione di coscienza

The teaching activities do not include laboratories involving the use of animals. In case students during their internship period for thesis will attend a laboratory activity involving the use of animals, the Teaching Board of SAXBi acknowledges the uncontested right of conscientious objection according to the Italian law n. 413, October 12 1993, "Norme sull'obiezione di coscienza alla sperimentazione animale".

## Area didattica

Teaching block Via Golgi, 19 – 20133 MILAN

Lectures are held in the classrooms indicated in the timetable of the courses of Università degli Studi di Milano.

All the classrooms are accessible to students with disabilities.

## Laboratori didattica

Teaching block Via Golgi, 19 – 20133 MILAN

Laboratory activities are held in the labs of the Faculty of Pharmacy, according to the timetable of the courses of Università degli Studi di Milano.

## Biblioteche

At the Biomedical Library of Città Studi, Valvassori Peroni Street, n. 21 (Milan), texts, scientific journals and collections are

available.

More info: <http://www.sba.unimi.it/Biblioteche/bcittastudi/11688.html>

### **Tutorato**

Tutors are available to help the students

i) to learn the material in individual courses;

ii) understanding how to use the syllabus, by means of meetings with the students, regularly throughout the semesters.

Students can contact the tutors, whose names are listed in the first page of the programme official description.

### **Obbligo di frequenza**

Mandatory to the labs, recommended to the course.

Students who are working

If the student is enrolled in working activities in laboratories in which techniques that are subject of the teaching laboratories are used, he/she is entitled of a partial/total exemption from laboratory attendance.

To take advantage of such concession, the student has to present to the Secretariat of the Teaching Committee copy of the job contract and timetable at the beginning of each academic year.

Alternatively, the students who are working are entitled to enrol as part-time students (see below).

Part-time students

In agreement with the University of Milan rules, students who cannot attend classes with academic continuity and take exams within the regular duration of the course, can be granted the possibility to follow a specific path based on the particular situation and can be enrolled as part-time students.

For further information, please visit the website <https://www.unimi.it/en/node/113/>

### **Caratteristiche della prova finale**

The final exam requires a previous internship (thesis) during the degree course, in academic, private or governmental institutions with expertise in health risk assessment, to acquire the expected 29 ECTS. In order to start the internship (thesis) at least 51 ECTS shall be acquired.

The student can choose to convert the optional course in thesis, then period of the thesis will be prolonged of 8 ECTS (Laboratory of Risk assessment).

The final exam consists of: written text, oral presentation and defence of a risk assessment exercise conducted on a case-study, agreed by the tutor and the candidate.

The objective of the examination is to assess the students' broader and deeper knowledge and skills to independently apply the knowledge presented in the taught courses and be able to perform a full risk assessment integrating the different elements of the risk-assessment-process.

To be admitted to the final examination, students must have achieved all the credits required by all the topic listed in the second cycle program, except those reserved to the final examination.

## **ESPERIENZA DI STUDIO ALL'ESTERO NELL'AMBITO DEL PERCORSO FORMATIVO**

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 organizations.

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

### **Cosa offre il corso di studi**

Thanks to mobility Erasmus programs and other Mobility opportunities, the Master Course in SAXBi offers its students the opportunity to spend periods of training abroad. The Programs also offer the opportunity to play an internship abroad at companies, universities or other organizations. Universities and Institutions partners involved in these programs offer the possibility to engage in a wide range of areas. In the mobility period, the student can:

- continue their studies by attending courses and the respective exams;

- carry out the thesis.

Each student is followed by a tutor identified within the Course. The url <https://www.unimi.it/en/node/12879/> lists all the information related to the fields of study and training opportunities offered by the host locations. Procedure for the recognition of study periods abroad: each student must propose a Learning Agreement regarding training activities that lead to the recognition of a number of credits adequate to the period spent abroad.

The period of study abroad will be recognized as valid after obtaining at least 70% of the credits specified in the learning agreement, while the activity of the thesis or internship will be valid only after acquisition of all credits. For students who have accomplished satisfactorily the training program, there are appropriate incentives, proposed by the teacher in charge, will be paid by the Faculty in the diploma achievement session. It provides additional points to the degree mark varying

from a minimum of 1 to a maximum of 3 points depending on the duration of the study period, the amount of credits attained, and the overall results obtained by the student.

### Modalità di partecipazione ai programmi di mobilità - mobilità Erasmus

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 organizes 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; [mobility.out@unimi.it](mailto:mobility.out@unimi.it)

Student Desk booking through InformaStudenti

## MODALITA' DI ACCESSO: 1° ANNO LIBERO CON VALUTAZIONE DEI REQUISITI DI ACCESSO

### Informazioni e modalità organizzative per immatricolazione

All students must submit the application for the admission by the deadlines indicated in the "student area" of the University web portal (<https://www.unimi.it/en/node/92/>).

The admission application is mandatory and must be completed online from March 15th, 2022 to August 26th, 2022.

Undergraduates who intend to graduate by 31st December 2022 may also apply.

See for all details the section above "Pre-requisites for admission".

If coming from another university or other degree program, admission to second year of the course will be evaluated by competent organs of the course.

Enrolment

At the end of the evaluation procedures, candidates admitted and already graduated must enrol online by September 30, 2022. Candidates who will graduate after September 30, 2022 can enrol by January 16, 2023.

### N° posti riservati a studenti extracomunitari non soggiornanti in Italia

15

1° ANNO DI CORSO Attività formative obbligatorie					
Erogazione	Attività formativa	Modulo/Unità didattica	Cfu	Settore	Form.Didatt.
annuale	Development Biology and Differentiation		6	BIO/13	40 ore Lectures, 16 ore Laboratory individual activity
1 semestre	Functional, Metabolic and Epigenetic Biochemistry		6	BIO/10	48 ore Lectures
1 semestre	Methods of analysis of chemicals in water, air, biological fluids, tissues, food (tot. cfu:6)	Methods of analysis of chemicals	3	CHIM/01, CHIM/06	24 ore Lectures
		Physical-chemical characterization, identity	3	CHIM/01, CHIM/06	24 ore Lectures
1 semestre	Organ Physiopathology and Histopathology (tot. cfu:10)	Organ Physiology and Pathology	7	BIO/09,	48 ore Lectures,

				MED/04	16 ore Tutorials
		Lab of Comparative Histopathology	3	VET/03	16 ore Lectures, 16 ore Laboratory individual activity
2 semestre	Bioremediation (tot. cfu:7)	Environmental Microbiology and Biotechnological Remediation	3	BIO/13, BIO/19	8 ore Lectures, 32 ore Laboratory individual activity
		Laboratory of Cell Biology	4	BIO/13, BIO/19	16 ore Lectures, 32 ore Laboratory individual activity
2 semestre	Biotechnology and Pharmacotoxicology (tot. cfu:10)	Biotechnology and Pharmacology	5	BIO/14	40 ore Lectures
		Genotoxicology, Cancerogenicity, Immunotoxicology, Reproductive and Developmental Toxicity	5	BIO/14	32 ore Lectures, 16 ore Tutorials
2 semestre	Regulatory Aspects in toxicology (tot. cfu:6)	Regulatory Aspects of Medicaments, Medical Devices and Health products	3	CHIM/09, IUS/14	24 ore Lectures
		Legislation in European Union	3	CHIM/09, IUS/14	24 ore Lectures
		Totale CFU obbligatori	51		

## 2° ANNO DI CORSO Attività formative obbligatorie

Erogazione	Attività formativa	Modulo/Unità didattica	Cfu	Settore	Form.Didatt.
annuale	Quantitative Chemical Structure and activity relationship (tot. cfu:10)	In Silico Methods in Toxicology	5	CHIM/08	40 ore Lectures
		Structural Bioinformatics	5	BIO/10	32 ore Lectures, 16 ore Laboratory individual activity
1 semestre	Databases and Exposure scenarios (tot. cfu:6)	Informatics and Database	3	INF/01, SECS-S/01	24 ore Lectures
		Statistics applied to Epidemiology	3	INF/01, SECS-S/01	24 ore Lectures
1 semestre	System Toxicity and Risk Assessment (tot. cfu:7)	Risk Assessment	4	BIO/14	24 ore Lectures, 16 ore Tutorials
		System Toxicity	3	BIO/14	24 ore Lectures
2 semestre	Pharmacogenetics and Epigenetics in Toxicology		6	BIO/14	48 ore Lectures
		Totale CFU obbligatori	29		

## Attività a scelta

**STUDENTS HAVE TO CHOOSE OPTIONAL COURSE FOR 8 CREDITS.**

These will be chosen freely among all courses provided by the University of Milan if they are consistent with the educational project, after consulting the Study Programme committee. As alternative, the student can also choose the Laboratory of Risk assessment 8 CFU. This laboratory aims to deepen the theoretical and practical aspects of the research topic of the thesis and it will be agreed with the thesis tutor.

	Laboratory of Risk assessment		8	ND	Studio e pratica individuale
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**TO OBTAIN THE DEGREE, STUDENTS HAVE TO ACQUIRE AN ADDITIONAL 3 CREDITS (OTHER ACTIVITIES).**

**Additional Language Skills: Italian (foreign students)**

To obtain the degree, students without an Italian degree or diploma are required to attain an Italian language proficiency at level A2 within the Common European Framework of Reference for Languages (CEFR). This level can be assessed by the end of the degree course in the following ways:

- by submitting the language certificate achieved no more than three years prior to the submission, at level A2 or higher, recognised by the University (the list of recognised language certificates can be found at: <https://www.unimi.it/en/node/349/>).
- The language certificate must be uploaded through the service <https://informastudenti.unimi.it/saw/ess?AUTH=SAML> by choosing the category SLAM;
- by an entry-level test, organised by SLAM, which can be taken at the beginning of the 2nd year - first semester.

**Students who fail to reach level A2 will have to attend a 60-hour Italian course organised by SLAM and to pass the final test during the I semester of the second year of study in order to earn 3 ECTS credits of Additional Language Skills: Italian.**

	Additional Language Skills: Italian (3 ECTS) <i>Compulsory for foreign students, it replaces "Other training activities"</i>		3	ND	Valutazione della lingua
	Other training activities <i>(i.e. meetings and seminars of experts in various fields inherent to the degree)</i>		3	NA	Studio Individuale

## Attività conclusive

	Thesis		29	NA	Studio Individuale
		Totale CFU obbligatori	29		