



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2023/24
IN
COSMETIC INDUSTRIAL SCIENCE (Classe LM-71)
Immatricolati dall'a.a. 2023-24

HEADING

Degree classification - Denomination and code:	LM-71
Degree title:	Dottore Magistrale
Length of course:	2 years
Credits required for admission:	180
Total number of credits required to complete programme:	120
Course years currently available:	1st
Access procedures:	open, subject to entry requirements
Course code:	E53

PERSONS/ROLES

Head of Interdepartmental Study Programme

Prof.ssa Lucia Zema - Via Colombo 71, Milano

Tutors - Faculty

Tutor for Teaching and Study plan: Proff. Giovanna Baron (A-K) Sara Della Torre (L-Z)

Transfer and ECTS recognition tutor: Prof. Laura Castoldi

Erasmus and international mobility tutor: Prof. Antonella Casiraghi

Student-worker tutor: dr.ssa Sara Della Torre

Committee for admittance to the Master's degree programme: Proff. Daniele Bottai, Laura Castoldi, Alfonsina D'Amato, Alessandra Martorana

Committee for internship: Proff. Antonella Casiraghi, Giorgio Facchetti, Marco Ortenzi, Alessandra Martorana

Degree Course website

<https://cosmis.cdl.unimi.it>

Deputy Chair of the Academic Board Prof. Giancarlo Aldini

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Enrollment and Admission

<https://www.unimi.it/en/node/183>

Representative for disability services and specific learning disabilities

Prof. Valentina Galbiati

Secretary of the Academic Board: prof.ssa Laura Castoldi

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Student Desks: International Students Office

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CHARACTERISTICS OF DEGREE PROGRAMME

General and specific learning objectives

The Master's degree programme in Cosmetic Industrial Science (CosmIS) aims to train a graduate with advanced skills in

the research, development, industrial production, quality control and marketing of cosmetic products. This graduate will be immediately ready for placement in qualified positions, at different levels within cosmetic companies. The skills and the competencies necessary for the achievement of such goals are acquired through i) theoretical lectures, most of which complemented by laboratory activities, also conveyed through innovative teaching methods, and ii) an internship, lasting at least 6 months, to be carried out preferably in cosmetic companies, in Italy or abroad.

With reference to the aforementioned objectives, the Master's degree programme provides students with knowledge of:

- key formulation ingredients, i.e., inorganic, organic or polymeric ingredients, of cosmetic products and functional ingredients, with their specific activity;
- physiology and specific functions of the skin and its annexes;
- formulation of semisolid, liquid and solid preparations for the development of skincare, hygiene and make-up products;
- technologies applied to the manufacturing and packaging of cosmetic products;
- regulatory provisions and skills for placing a new cosmetic product on the market, according to the European guidelines;
- microbiological risk assessment and alternative protocols for the relevant toxicological characterization;
- quality assessment and stability monitoring of cosmetic products;
- marketing and communication, business plan and project financial evaluation relevant to cosmetic products.

During the internship, students are expected to choose an original topic, consistent with the Master's degree programme undertaken, and develop a personal project. This internship is also intended to acquire teamwork aptitudes, critical abilities, and communication skills. At the end of the internship, the student will write a Master's degree thesis in English to be presented and discussed during the final examination.

The degree in CosmIS will be conferred to students who have acquired interdisciplinary knowledge and comprehension skills in all the areas covered by their training, particularly in the chemical, chemical/pharmaceutical, biochemical/toxicological, pharmaceutical/technological and legislative fields related to the development and manufacturing of cosmetic products, with an acquired expertise in the scientific approach to solving problems typical of the profession.

Expected learning outcomes

Knowledge and understanding

The Master's degree programme in CosmIS covers four disciplinary areas: chemistry, industrial chemistry, economy and technology, biology, thus providing students with specific knowledge in i) the chemical and functional characteristics of cosmetic ingredients, ii) their formulation into stable, safe cosmetic products capable of effectively maintaining the health status of target organs (skin and skin annexes), iii) the quality controls and reference standards for their marketing. Moreover, students become familiar with both internal organization of a cosmetic company and development/internationalization strategies, and are provided with useful tools to develop new business ideas.

Ability to apply knowledge and understanding

Thanks also to the laboratory activities that complement the theoretical lectures, students will be able to i) select the appropriate ingredients for the formulation of different types of cosmetic products and rationalize/argue their use, critically evaluating possible interactions, incompatibilities or synergies, depending on their chemical/physical nature and on the required functionality of the cosmetic to be made; ii) design and prepare new ingredients and products for the cosmetic market, that are sustainable and compliant with the cosmetic industry regulations as well as responding to specific market trends and emerging consumer requests; iii) select and apply the most suitable instrumental techniques for quality control; iv) master concepts, contents, and languages, both technical and related to the business world, that will promote a fruitful interaction with national and international partners.

Making judgements

Autonomy of judgement will be achieved by the students through a guided path, during the whole activities of the Master's degree programme, based on:

- exercises and laboratory activities;
- participation of the students, who will be asked to raise questions and give their opinion, thus stimulated to develop critical sense;
- theoretical management of practical problems related to cosmetic product formulation, production and commercialization;
- critical discussions and active peer comparison working in groups.

The acquisition of autonomy of judgement will be verified through written/oral examinations, practical activities in the classroom (e.g. problem solving activities), final laboratory tests, and will be completed with the performance of an internship under the supervision of an academic tutor. During this final activity, the student will have to demonstrate a degree of autonomy and of planning, which will be evaluated during the final examination.

Communication skills

At the end of the Master's degree programme, the student will be able to communicate/disseminate, both at a popular and specialized level, in a clear and effective manner, contents related to the entire production chain of a cosmetic products. He/she will therefore be able to interface in scientific-professional contexts with specialized and non-specialized personnel. In addition, he/she will be able to present new cosmetics to the public and also promote their sales in collaboration with marketing and sales offices.

Communication skills will be achieved by the student through critical discussions promoted during lectures, presentation of individual works in the form of scheduled lectures and/or examinations, classroom exercises and active peer discussion. The communication skills achieved will be evidenced at the end of the studies by the presentation and discussion of the Master's

degree thesis.

Learning skills

All the educational activities of the Master's degree programme in CosmiS guide the students in acquiring learning skills that enable them to keep their knowledge, professional skills and abilities up-to-date, even when they enter the world of work. At the end of the study programme, students have acquired the ability to access technical information found in industry-specific databases and related manuals, as well as in the main search engines of scientific literature, aiming to implement and update their professional background and answer the most common technical, regulatory and scientific questions.

Foreign students will be able to achieve an Italian language proficiency of A2 level (Common European Framework of Reference).

Professional profile and employment opportunities

Graduate students in CosmiS will reach a high degree of autonomy in the work environment, allowing them to hold positions of high responsibility in companies focused on the synthesis/production/marketing of cosmetic raw materials and on the formulation/development of skincare, hygiene and make-up products, their packaging, related sales, and control/safety. They may also assume responsibilities as project or lab leaders in academic research laboratories or find employment in agencies responsible for the development of technical regulations and quality certification of cosmetic products. Studies conducted in English will enable graduates to meet the challenges of the global economy, facilitating their immediate entry into the job market.

The specific career outlets within the cosmetics industry are:

1. Research and development (R&D) and production specialist

He/She defines development issues and research programs, in tune with company strategies; designs/formulates new small-scale products studying their tech-transfer and industrialization, proposing the necessary technical resources, budget and investment for project. This professional has:

- technical/scientific skills;
- ability to process, interpret and evaluate the experimentally obtained results;
- ability to design, planning, manage and to motivate the work groups he/she coordinates.

2. Quality specialist

He/She supervises the quality assurance system in the cosmetic company, i.e., he/she develops protocols for analyzing and controlling the quality of processes, coordinates the departments involved in the manufacture of the product to ensure that the quality system is efficiently organized and documented, ensures that inspections are periodically planned and properly performed to evaluate the effectiveness and applicability of the quality assurance system. This professional has:

- technical/scientific knowledge;
- ability to analyze and synthesize data, coordinate and manage human resources and any critical issues;
- aptitude toward teamworking combined with the ability to work cross-functionally in the various business areas;
- knowledge of the regulations and methodologies necessary for product quality control.

3. Regulatory specialist

He/She is responsible for the collection, processing, updating and reporting-disclosure, as required by the relevant regulations, of all information relating to the safety of cosmetic ingredients and products, including post-marketing. He/she is an expert in the authorization procedures for the marketing of products, and sets up and maintains documentation in support of the application, interfacing, when necessary, with the in charge regulatory bodies.

This professional combines in-depth technical/scientific knowledge with regulatory knowledge, possesses skills of analysis, coordination and management of critical issues, and has aptitude toward teamworking.

4. Specialist in cosmetics market relations (cosmetic informant)

He/She conveys scientific knowledge about cosmetic ingredients and products in the areas of the cosmetics company more specifically dedicated to sales. In this respect, he/she is the reference person from which marketers learn the essential technical information for a correct promotion of the products. He/she fosters dialogue and synergy between different areas such as research and development, production, and marketing.

This professional has technical/scientific knowledge, basic business administration and marketing skills, business skills, knowledge of technical English and computer abilities, willingness to travel, communication skills and resourcefulness.

The Master's degree in CosmiS gives access to Doctoral programs open to graduates of the LM71 class and particularly to the PhD program in Pharmaceutical Sciences, already active at the Department of Pharmaceutica Sciences, with the option of developing a research project in cosmetic science.

Pre-requisites for admission

Admission Requirements

Eligible for admission to the Master's degree programme in CosmiS are:

- graduates in the classes listed below, as well as in the corresponding classes related to DM 509/99:
- L-27 Chemical Sciences and Technologies
- L-29 Pharmaceutical Sciences and Technologies
- graduates in other classes, as well as graduates in master's, specialist and four-year degree programmes allowed by a

resolution of the competent boards, provided they meet the following minimum requirements:

at least 35 ECTS earned in chemical and biological disciplines, of which a minimum of 12 ECTS acquired in the CHIM01 to CHIM09 disciplinary fields and a minimum of 6 ECTS in the BIO10, BIO11 and BIO19 disciplinary fields;

- graduates in possession of a degree obtained abroad recognized as eligible, provided that the acquisition of the minimum 35 ECTSs and their correspondence with the above-mentioned chemical and biological disciplines is verified.

In addition, to be admitted to the Master's degree programme, the student must possess proven language skills in English, at least at level B2 (Common European Framework of Reference).

Knowledge Assessment

Possession of the pre-established curricular requirements for the admission to the Master's degree programme in CosmIS will be verified by the Committee for admittance appointed by the Teaching Board. After having verified the possession of the pre-established curricular requirements the Committee shall verify the personal preparation of candidates. This verification will be based on the examination of the documents presented in the application for admission and, when deemed necessary, on the outcome of an interview aimed at verifying the candidates' skills required for admission. In particular, the analysis of the candidates' curriculum should verify the degree of knowledge (acquired ECTSs and grade achieved) in analytical (CHIM01), general and inorganic (CHIM03), organic (CHIM06), polymer (CHIM04/05), pharmaceutical (CHIM08) chemistry, pharmaceutical technology (CHIM09), biochemistry (BIO10), molecular biology (BIO11) and microbiology (BIO19). It should be noted that the knowledge in the above-reported disciplines can also be achieved through the attendance at single courses. The interview may be held remotely through a videoconferencing platform, and will take place, according to a schedule proposed to the candidates, in July and in September 2023. In the case of applications for admission accompanied by a degree obtained abroad, the verification will be based on the evaluation of the diploma supplement, and the interview will be mandatory. For non-EU students, who may have visa and/or residence permit problems, the interview could also be scheduled in May 2023.

Students who have not yet graduated but who expect to graduate by December 2023 can also apply for admission.

The outcome of the admittance assessment will be communicated to the candidate by e-mail, at the e-mail address indicated in the admission application, and will be published on the website of the Master's degree programme.

Proficiency in English at a B2 level or higher per the Common European Framework of Reference for Languages (CEFR) is required for admission. The B2-level requirement will be ascertained by the University Language Centre (SLAM) upon admission as follows:

- language certificate of B2 or higher level issued no more than three years before the date of admission application. You will find the list of language certificates recognized by the University at: <https://www.unimi.it/en/node/297/>. The certificate must be uploaded when submitting the online application;

- English level achieved during a University of Milan degree programme and certified by the University Language Centre (SLAM) no more than four years before the date of admission application. In this case the process is automatic, the applicant does not have to attach any certificates to the application;

- Placement test administered by the University Language Centre (SLAM) according to the calendar published on the website: <https://www.unimi.it/en/node/39267/>.

All those who fail to submit a valid certificate or do not meet the required proficiency level will be instructed during the admission procedure to take the placement test.

Applicants who do not take or pass the placement test will be required to obtain a language proficiency certificate recognized by the University (see: <https://www.unimi.it/en/node/297/>) and deliver it to the SLAM via the InformaStudenti service by the deadline fixed for the master's programme (<https://www.unimi.it/en/node/39267/>).

Applicants who do not meet the requirement by December 2023 will not be admitted to the master's degree programme and may not sit any further tests.

Programme structure

The duration of the Master's degree programme in CosmIS is 2 years, divided into four semesters, during which the student must acquire 120 educational credits (ECTS). The ECTS correspond to a standard student activity of 25 hours, in accordance with the University Teaching Regulations, comprising:

- 8 hours of lectures or equivalent teaching activities (the remaining hours, until the total 25 hours provided for each ECTS are reached, are dedicated to individual study);

- 16 hours of individual laboratory experience and/or equivalent assisted activities (the remaining hours, up to the attainment of the total 25 hours provided for each ECTS, are dedicated to self-study and personal revision);

- 25 hours of learning activities related to the thesis and final examination.

Learning activities of the Master's degree are organized in lectures (delivered in-person or online), individual laboratory experiences, and an internship of at least 6 months duration to be carried out either at an university laboratory or in a company, in Italy or abroad. The internship is supervised by a tutor from the Faculty of Pharmacy or a company mentor who will give feedback to the tutor. During the internship, the student is expected to work on an original, individual project consistent with the training path of the Master's degree, which will be the topic of his/her thesis and final examination.

ECTSs for each activity are acquired by verification of learning: i) for lectures by a written or oral test, or a combination of both (each course declines in its syllabus the details of how learning will be verified); ii) for individual laboratory experiences practical ability will be tested; iii) for the internship activity, writing of a dissertation is required, which will be presented and discussed at graduation.

The Master's degree programme in CosmIS also promotes innovation in teaching. In particular:

- the first weeks of each course in the first semester of the first year are attended online in a blended mode (partly asynchronous and partly synchronous), addressing learning objectives aimed at realigning students on the prerequisites of each discipline;
- cross-curricular laboratory safety concepts are provided asynchronously, using the Labster virtual platform or similar tools;
- highly professionalizing courses of the second year, not involving individual laboratory experiences, are taught online for a total of 20 ECTSs, to promote the students' attendance of internship.

Outline of the course in brief:

1st Semester: Inorganic ingredients (6 ECTS), Organic ingredients (7 ECTS), Polymeric ingredients (6 ECTS), Physiology and biochemistry of skin and skin annexes + Microbiological contamination and controls (5 ECTS)

2nd Semester: Functional ingredients (6 ECTS), Skincare and personal hygiene products development + Regulatory affairs (7 ECTS), Decorative cosmetics development (6 ECTS), Physiology and biochemistry of skin and skin annexes + Microbiological contamination and controls (4 ECTS), Toxicology and risk assessment (6 ECTS),

3rd Semester: Analysis of cosmetic ingredients and products (7 ECTS), Technologies for manufacturing and packaging (materials and processes) (6 ECTS), Marketing and communication + Business plan and project financial evaluation (6 ECTS)

4th Semester: Free-choice courses (8 ECTS), internship, final examination.

Some courses are monodisciplinary and some others are divided into units with specific contents, also assigned to different professors and delivered in different semesters.

A large part of the courses is associated with lab experiences, to allow the student to translate the concepts learned at the theoretical level into practice.

Seminars or other teaching activities supported by visiting professors and industry experts are provided within specific courses.

Study plan

Students must provide an individual study plan indicating the free-choice courses they have selected. It is strongly recommended to choose between the list of distinctive courses of the Master's degree in CosmIS. However, the student, after consulting the study plan tutor, can select a course among all those provided by the University of Milan, if they are consistent with the educational project. As an alternative, the student can also select the Experimental Laboratory course that complements/integrates the research activities of the individual thesis project. Free-choice courses will be listed in the 2024-25 manifesto.

The study plan can be submitted at the 1st Year via the UNIMIA - students portal, within the term fixed by the Student desk and according to scheduled dates. The study plan may be modified, if necessary, in the subsequent years. The modified plan must be submitted at fixed dates only, as indicated by Student desk. The submission/modification of study plan is not allowed outside the fixed dates and by students not enrolled for the academic year.

For the admission to the final exam, the list of passed exams must correspond to the last approved study plan. For information about dates and procedures for submitting the official study plan, please visit the relevant section of the UNIMI website: <https://www.unimi.it/en/study/bachelor-and-master-study/following-your-programme-study/plan-study>.

Lecture timetable

Lessons take place as follows:

- 1st Semester: October 2nd, 2023 – January 26th 2024

- 2nd Semester: February 26th, 2024 – June 28st 2024

The course timetable can be viewed at <https://www.unimi.it/en/node/128>.

Exams (exam sessions and methods of profit assessing)

For each course at least seven exam sessions are scheduled, generally during the months of January, February, April, June, July, September, and November. Exam sessions scheduled during the lessons period will result in the suspension of the teaching activity.

The schedule of the examination sessions for the assessment of the learning outcomes is available through the online UNIMIA services or at the websites <https://www.unimi.it/en/node/130/> where also detailed information on the exam organization can be found.

Before (or contextually with) the exam enrolment, the student must fill the online questionnaire for the evaluation of the relevant course. It is strongly recommended that the student completes the questionnaire by the end of each course, even though he/she does not intend to take the exam immediately. The application guarantees anonymity.

To take any exam or test, the student must have fulfilled the payment of taxes and contributions, must have passed possible propaedeutic exams, must have all the attendance certificates, when requested.

Each course will outline in its syllabus assessment methods and criteria. In general, the examination of teaching activities will be conducted:

- for lectures, through a written or oral test, or a combination of both modalities;
- for individual laboratory experiences combined with lectures, by the way of practical activities based on the theoretical aspects specific of the course.

Campus

The course activities are held in the Città Studi Campus, in Milan.

Libraries

Students of the Master's degree programme in Cosmetic Industrial Science (CosmIS) can find material for study at:

- SBIM Biblioteca Biomedica di Città Studi, located in via Valvassori Peroni 21. Any information at <https://www.sba.unimi.it/en/libraries/medicina/1884.html>
- BICF Biblioteca di biologia, informatica, chimica e fisica, located in via Celoria 18. Any information at <https://www.sba.unimi.it/Biblioteche/bicf/14825.html>
- digital library giving free access to electronic periodicals, bibliographic and full-text databases, electronic books, search engines and thematic portals (<https://www.sba.unimi.it/en/digital-library/46.html>).

Tutoring

The following tutoring activities and/or Committees are provided by lecturers, whose names are listed in the first page of the programme description:

- admittance to the Master's degree;
- educational guidance and study plans;
- internships and Erasmus international mobility;
- pre-admission and post-graduate/work placement guidance;
- transfers and credit recognition;
- evaluation of student workers' applications;
- support to students with Specific Learning Disabilities (SLD) and disabilities.

The following tutors are also envisaged:

- for individual laboratory experiences, with the task of supporting the students in experimental activities and ensuring their safety;
- to support the online teaching activities envisaged by the degree course, with particular attention to foreign students. The intervention of tutors will be crucial in the period preceding and immediately following enrolment, as well as in the first weeks of teaching activities during the first year.

Language test / computer literacy test

To obtain the degree, those who do not hold an Italian high school diploma or bachelor's degree must demonstrate proficiency in Italian at the A2 or higher level per the Common European Framework of Reference for Languages (CEFR). This level must be demonstrated prior to completing the course programme in one of the following ways:

- by submitting a certificate of A2 or higher level issued no more than three years prior to the date of submission. You will find the list of language certificates recognized by the University at: <https://www.unimi.it/en/node/349/>. The language certificate must be submitted to the University Language Centre (SLAM) via the Language Test category of the InformaStudenti service: <https://informastudenti.unimi.it/saw/ess?AUTH=SAML>;
- via a entry-level test administered by SLAM that can only be taken only once.

Those who fail to reach A2 level will have to attend a 60-hour Italian course geared to their level.

Those who do not take the entry-level test or fail to pass the end-of-course test after six attempts will have to obtain language certification privately in order to earn the 3 credits of Additional language skills: Italian.

Compulsory attendance

Attendance is compulsory for individual laboratories experiences, and strongly recommended for all courses.

Internship criteria

To complete the Master's degree programme, a period of at least 6 months of internship is compulsory.

The ECTS acquired with the internship are 37 for the Italian students and 34 for Students who must acquire the 3 ECTS for Additional Language Skills: Italian.

One of the important objectives of the Master's degree is the opportunity for students to perform this activity at cosmetic companies, in Italy or abroad. Therefore, a list of industries or private bodies operating in the cosmetics sector will be selected by the Internship Committee with the support of the COSP. This will allow students to choose among a broad array of research or development topics that will satisfy and refine their skills.

For practical details, visit <https://www.unimi.it/en/study/traineeships-and-work/traineeships-and-internships>.

Degree programme final exam

To be admitted to the final examination, the student must have passed all the exams required by the study plan. The final examination (3 ECTS) involves the public defense of the thesis. The latter consists of a paper written by the student in English, related to the individual project carried out during the internship (at least 34 ECTS) within a university laboratory or in a company. The examination, for which the graduating student may make use of multimedia aids, consists of a brief exposition of the salient aspects of the project, followed by the discussion with the Examination Committee.

The Graduate Examination will take place in three special sessions: summer, fall and winter.

EXPERIENCE OF STUDY ABROAD AS PART OF THE DEGREE 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 organizations.

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

Study and internships abroad

Students in CosmIS who wish to participate in the ERASMUS and ERASMUS+ programme will have at their disposal:

- agreements already in place between lecturers of the degree and foreign universities (to be personally verified with lecturers);
- new agreements to be stipulated during the next academic year, which will be listed in the 2024-25 manifesto.

The participation in the programme is for the purpose of carrying out the traineeship during which the student has to develop a thesis project. Students on the degree course who wish to participate in the ERASMUS and ERASMUS+ programme will have at their disposal an international mobility tutor.

The student's activity abroad is fully recognised in his/her academic career and rewarded with an increase of maximum 2 points in the degree mark, subject to the approval of the Erasmus tutor or the academic tutor of the thesis. Recognition of the student's mobility activity concerns all activities carried out either through the use of European Community programmes (Erasmus+, Erasmus Placement, LERU projects) or through other institutional channels (University of Milan foreign thesis grants), or of a voluntary nature activated through specific agreements between the COSP and the foreign host institution.

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 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

Student Desk booking through InformaStudenti

ADMISSION CRITERIA: 1ST YEAR OPEN, SUBJECT TO ENTRY REQUIREMENTS

Application and enrolment information and procedures

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 6 to September 30, 2023.

Undergraduates who intend to graduate by 31 December 2023 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 enroll online by January 15, 2024. However, only the already enrolled students could attend individual laboratory activities.

Links to enrolment information and procedures

<https://www.unimi.it/en/node/90>

N° of places reserved to non-EU students resident abroad

15

Application deadline

30-09-2023

ADMISSION CRITERIA: 2°YEAR OPEN

1st COURSE YEAR Core/compulsory courses/activities

Scheduling	Learning activity	Module/teaching unit	Ects	Sector	Teaching method
year	Physiology and biochemistry of skin and skin annexes + Microbiological contamination and controls		9	(3) BIO/10, (2) BIO/09, (4) BIO/19	64 hours Lessons, 16 hours Esercitazioni di laboratorio a posto singolo
1 semester	Inorganic ingredients		6	CHIM/03	40 hours Lessons, 16 hours Esercitazioni di laboratorio a posto singolo
1 semester	Organic ingredients		7	CHIM/06	48 hours Lessons, 16 hours Esercitazioni di laboratorio a posto singolo
1 semester	Polymeric ingredients		6	CHIM/04	40 hours Lessons, 16 hours Esercitazioni di laboratorio a posto singolo
2 semester	Decorative cosmetics development		6	CHIM/09	32 hours Lessons, 32 hours Esercitazioni di laboratorio a posto singolo
2 semester	Functional ingredients		6	CHIM/08	40 hours Lessons, 16 hours Esercitazioni di laboratorio a posto singolo
2 semester	Skincare and personal hygiene products development + Regulatory affairs		7	CHIM/09	48 hours Lessons, 16 hours Esercitazioni di laboratorio a posto singolo
2 semester	Toxicology and risk assessment		6	BIO/14	32 hours Lessons, 32 hours Esercitazioni di laboratorio a posto singolo
Total number of compulsory credits/ects			53		

2nd COURSE YEAR (available as of academic year 2024/25) Core/compulsory courses/activities

Scheduling	Learning activity	Module/teaching unit	Ects	Sector	Teaching method
1 semester	Analysis of cosmetic ingredients and products		7	(5) CHIM/01, (2) CHIM/08	40 hours Lessons, 32 hours Esercitazioni di laboratorio a posto singolo
1 semester	Marketing and communication + Business plan and project financial evaluation		6	(3) SECS-P/08, (3) SECS-P/07	48 hours Lessons
1 semester	Technologies for manufacturing and packaging (materials and processes)		6	CHIM/04	48 hours Lessons
Total number of compulsory credits/ects			19		

Elective courses

STUDENTS HAVE TO CHOOSE OPTIONAL COURSE FOR 8 CREDITS.

It is strongly recommended to choose between the list of distinctive courses of the Master's degree in CosmIS. However, the student, after consulting the study plan tutor, can select a course among all those provided by the University of Milan, if they are consistent with the educational project. As an alternative, the student can also select the Experimental Laboratory course that complements/integrates the research activities of the individual thesis project. Free-choice courses will be listed in the Programme Description - academic year 2024-25.

	Experimental Laboratory		8	NA	Individual study and activity
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To obtain the degree, those who do not hold an Italian high school diploma or bachelor's degree must demonstrate proficiency in Italian at the A2 or higher level per the Common European Framework of Reference for Languages (CEFR). This level must be demonstrated prior to completing the course programme in one of the following ways:

- by submitting a certificate of A2 or higher level issued no more than three years prior to the date of submission. You will find the list of language certificates recognized by the University at: <https://www.unimi.it/en/node/349/>). The language certificate must be submitted to the University Language Centre (SLAM) via the Language Test category of the InformaStudenti service: [https://informastudenti.unimi.it/saw/ess?AUTH=SAML](https://informastudenti.unimi.it/saw/ess?AUTH=SAML;);
- via a entry-level test administrated by SLAM that can only be taken only once.

Those who fail to reach A2 level will have to attend a 60-hour Italian course geared to their level.

Those who do not take the entry-level test or fail to pass the end-of-course test after six attempts will have to obtain language certification privately in order to earn the 3 credits of Additional language skills: Italian.

Italian students must acquire an additional 3 credits in activities dedicated to thesis work.

	Additional Language Skills: Italian (3 ECTS)		3	ND	Valutazione della lingua
	Additional Thesis work		3	NA	Individual study and activity

End of course requirements

	Final examination		3	NA	Individual study
	Thesis work		34	ND	Individual study and activity
	Total number of compulsory credits/ects		37		

COURSE PROGRESSION REQUIREMENTS

There are no propaedeutic ties provided between courses of the first and second years.