



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2025/26
BACHELOR
NATURAL SCIENCES (Classe L-32 R)
Enrolled in 2025-26

HEADING

Degree classification - Denomination and code:	L-32 R
Degree title:	Dottore
Length of course:	3 years
Total number of credits required to complete programme:	180
Years of course currently available:	1st
Access procedures:	Cap on student, student selection based on entrance test
Course code:	FAK

PERSONS/ROLES

Head of Interdepartmental Study Programme

Prof.ssa Morena Casartelli

Degree Course Coordinator

Prof.ssa Morena Casartelli

Tutors - Faculty

Tutor orientamento e piani di studio - Maria Rose Petrizzo, Diego Rubolini, Roberta Pennati, Claudio Olivari, Paolo Tremolada, Carlo Polidori, Cristina Bonza, Marco Caccianiga
Tutor per la mobilità internazionale e l'Erasmus - Silvia Caccia
Tutor per stage e tirocini - Alessandra Moscatelli
Tutor per trasferimenti - Cristina Bonza, Alessia Colombo
Tutor per riconoscimento crediti - Cristina Bonza, Alessia Colombo

Degree Course website

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

via Celoria 18 Email: morena.casartelli@unimi.it

Course management

via Botticelli 23 <https://informastudenti.unimi.it/saw/ess?AUTH=SAML>

Disability academic tutor: Prof. Claudio Olivari

Email: claudio.olivari@unimi.it

Disability academic tutor: Prof. Guglielmina Diolaiuti

Email: guglielmina.diolaiuti@unimi.it

Libraries

<https://www.unimi.it/it/studiare/biblioteche>

Student registrar

via Celoria 18 Phone 0250325032 <https://www.unimi.it/it/node/360> <https://www.unimi.it/it/node/359>
<https://www.unimi.it/it/studiare/servizi-gli-studenti/segreterie-informastudenti>

EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM

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

The agreements entered into by the University with over 300 universities from the 27 EU member countries under the European Erasmus+ programme allow regularly enrolled students to carry out part of their studies at one of the partner

universities or to undertake internships at companies, training and research centres and other organisations.

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

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

How to participate in Erasmus mobility programs

How to participate in Erasmus+ mobility programmes

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

Ad hoc commissions will evaluate:

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

Call for applications and informative meetings

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

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

Erasmus+ scholarship

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

Language courses

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

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

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

For assistance, please contact:

International Mobility Office

Via Santa Sofia 9 (second floor)

Tel. 02 503 13501-12589-13495-13502

Contacts: InformaStudenti;

Student Desk booking through InformaStudenti

1st COURSE YEAR Core/compulsory courses/activities common		
Learning activity	Ects	Sector
Botany	12	(6) BIO/02, (6) BIO/01
Chemistry	10	(4) CHIM/03, (6) CHIM/06
English assessment B1 (2 ECTS)	2	ND
Fundamental of mathematics and statistics	12	(8) MAT/04, (4) MAT/06
General and environmental biology with elements of Histology	8	BIO/06
Physical geography and cartography	8	GEO/04
Physics	6	(3) FIS/07, (1) FIS/04, (1) FIS/03, (1) FIS/01
Zoology	12	BIO/05
Total compulsory credits		70
2nd COURSE YEAR (available as of academic year 2026/27) Core/compulsory courses/activities common		

Learning activity	Ects	Sector
Comparative anatomy	7	(4) BIO/06, (3) BIO/16
Ecology and behavioural ecology	15	BIO/07
General and environmental physiology	8	BIO/09
Genetics	8	BIO/18
Geology	6	GEO/02
Mineralogy	6	GEO/06
Paleontology	6	GEO/01
Petrography	6	GEO/07
Total compulsory credits		62

3rd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities common

Learning activity	Ects	Sector
Evolutionary biology	6	(2) BIO/19, (2) BIO/18, (1) BIO/05, (1) BIO/02
Geographic Information Systems	6	INF/01
Total compulsory credits		12

Elective courses

The student must acquire 12 CFUs by choosing from the courses listed below. The only rule to be observed is that no more than one course in the area of Ecological Disciplines (sectors BIO/03, BIO/07 and GEO/04)

	6	BIO/05
Anthropology and archaeological excavation	6	BIO/08
Biodiversity conservation	6	BIO/07
Climatology	6	GEO/04
Developmental biology	6	(3) BIO/06, (3) BIO/01
Environmental microbiology	6	BIO/19
Freshwater biology	6	BIO/05
General entomology	6	AGR/11
Geobotany	6	BIO/02
Geomorphology	6	GEO/04
Geopedology	6	GEO/04
Mineral resources and environmental interactions	6	GEO/09
Molecular biology and evolution of genomes	6	(4) BIO/11, (2) BIO/19
Paleontology heritage and excavations	6	GEO/01
Plant physiology	6	BIO/04
Quaternary climate changes	6	GEO/02
Vascular plants	6	BIO/02
Vertebrate zoology	6	BIO/05

The student must autonomously acquire 12 cfu from all the courses activated by the University (preferably chosen within the scientific area), as long as they are coherent with the training project, subject to assessment by his/her tutor and approval by the relevant commission. The above-mentioned courses also count as part of this choice (in this case, tutor and commission approval is not required).

This category also includes any courses identified as part of the "Transversal University Competences" indicated in the resolution (see the paragraph "Course structure > Presentation of the study plan").

COURSE YEAR UNDEFINED Core/compulsory courses/activities common

Learning activity	Ects	Sector
Field activity, training activity and laboratories	8	ND
Total compulsory credits		8

End of course requirements

Final exam	4	ND
Total compulsory credits		4

COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
Petrography	Mineralogy	Recommended