



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2019/20
BACHELOR
ENVIRONMENTAL SCIENCE AND POLICY - (Classe L-32)
enrolled from 2018-19 a.y.

HEADING

Degree classification - Denomination and code:	L-32 Environmental sciences
Degree title:	Dottore
Curricula currently available:	Environmental Management and Sustainability / Environmental Sciences and Technologies
Length of course:	3 years
Total number of credits required to complete programme:	180
Years of course currently available:	1st , 2nd
Access procedures:	Cap on student, student selection based on entrance test
Course code:	F2A

PERSONS/ROLES

Head of Study Programme

Prof.ssa Stefanella Stranieri

Tutors - Faculty

Lucia Baldi, Maurizio Maugeri, Marco Parolini, Stefano Trasatti

Degree Course website

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

via Celoria 2 - II piano Phone 02503 16475 lunedì, martedì, giovedì: 10.30-12.30, 14.00-16.00; mercoledì e venerdì: 14.00-16.00.

Email: sepa@unimi.it

via Celoria 22 Phone 02503 25032 si veda la pagina <https://www.unimi.it/it/node/360> <https://www.unimi.it/it/node/359>

Link to degree course regulations

<http://scienzetecnologie.unimi.it/>

EXPERIENCE OF STUDY ABROAD AS PART OF THE TRAINING PROGRAM

The University of Milan supports the international mobility of its students, offering them the opportunity to spend periods of study and training abroad, a unique opportunity to enrich their curriculum in an international context.

Study and internships abroad

About ERASMUS + program, for students enrolled in the degree course in Environmental Sciences and Policies, agreements with international universities specializing in teaching and research on environmental issues have been signed. The study period abroad can be used to take courses and take the related exams, as well as to carry out research activities for the thesis. For further information write to sepa@unimi.it.

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 > 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

Desk opening hour: Monday-friday 9 - 12

1st COURSE YEAR Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Administrative and environmental law	6	IUS/10
English assessment B1 (3 ECTS)	3	L-LIN/12
Foundations of biology	9	BIO/06
Foundations of inorganic and organic chemistry	9	CHIM/03, CHIM/06
Fundamentals of Earth sciences	9	GEO/02
Mathematics	9	MAT/09, MAT/01, MAT/02, MAT/03, MAT/04, MAT/05, MAT/06, MAT/07, MAT/08
Physics	6	FIS/08, FIS/07, FIS/06, FIS/05, FIS/04, FIS/03, FIS/02, FIS/01
Probability, statistics and computer science	9	INF/01, MAT/06
Total compulsory credits		60
2nd COURSE YEAR Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Botany	9	BIO/02, BIO/01
Ecology	9	BIO/07
Environmental and landscape geology	9	GEO/05
Environmental biochemistry and microbiology	6	BIO/10, BIO/19
Environmental economics	6	SECS-P/01
Microeconomics	9	SECS-P/01
Zoology	9	BIO/05
Total compulsory credits		57
3rd COURSE YEAR (available as of academic year 2020/21) Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Environmental management	6	SECS-P/08
Natural resource economics	6	AGR/01
Total compulsory credits		12
Further elective courses common to all curricula		
The student will have to acquire 18 credits among all the offered training activities and all the courses activated by the University, after evaluation by the tutor. The courses not already chosen among the curricula can be selected.		
The student must acquire 9 credits through Laboratories and / or Internships and / or field activities during the second or preferably the third year of the course. The list of activated Laboratories and / or Traineeships will be published on the website.		
The student must choose one of the two curricula: Curriculum A - Environmental Management and Sustainability; or Curriculum B - Environmental Sciences and Technologies. Then the student will have to choose 3 courses among those provided for the chosen Curriculum.		

End of course requirements common to all curricula			
Final exam		6	NA
	Total compulsory credits	6	

ACTIVE CURRICULA LIST

Environmental Management and Sustainability Course years currently available: 1°, 2°
 Environmental Sciences and Technologies Course years currently available: 1°, 2°

CURRICULUM: [F2A-A] Environmental Management and Sustainability

Further elective courses Curriculum-specific features Environmental Management and Sustainability			
Choose 3 of the following courses:			
Administrative law of sustainable development	6	IUS/10	
Agri-food policy and environmental sustainability	6	AGR/01	
Climate change economics and policy	6	SECS-P/01	
Economics and policy of growth and sustainable development	6	SECS-P/01	
Environmental accounting and management	6	SECS-P/08, SECS-P/07	
Environmental planning and land policy	6	ICAR/20	
Environmental prevention	6	MED/50	
Environmental statistics	6	MAT/06	
Environmental sustainability of intensive breeding	6	AGR/10	
Globalization and environmental policy	6	AGR/01	
Sustainability of food production	6	AGR/15	
Sustainable innovation of animal nutrition	6	AGR/18	

CURRICULUM: [F2A-B] Environmental Sciences and Technologies

Further elective courses Curriculum-specific features Environmental Sciences and Technologies			
Choose 3 of the following courses:			
Biodiversity management and conservation	6	BIO/05	
Climatology	6	GEO/04	
Environmental Chemistry	6	CHIM/12	
Environmental Genetics	6	BIO/18	
Environmental toxicology	6	BIO/14	
Evolutionary biology and phylogeny	6	BIO/05	
Foundations of ecotoxicology	6	BIO/07	
Foundations of physics for environmental sciences	6	FIS/07, FIS/06	
Geographical information systems	6	GEO/04	
Human health and environmental risk	6	MED/04	
Methods of applied ecology	6	BIO/07	
Scientific communication and environmental education	6	BIO/07	

COURSE PROGRESSION REQUIREMENTS

In order to get their degree, students are required to certify their knowledge of the English language at the B1 level. This level can be certified in one of the following ways:

* by submitting their language certificate, taken no more than 3 years before its submittal and attesting a B1 or higher level (for the list of the language certificates which are accepted by the University of Milan, please refer to the website: <http://www.unimi.it/studenti/100312.htm>).

Students can submit their language certificate during the immatriculation procedure or send it to the Language Centre of the University of Milan (SLAM) via the Infostudente service.

* by sitting the placement test run by SLAM, during the first year exclusively, from September to December. Should they not pass the Placement Test, students will have to attend the English language course organized by SLAM. All students who do not have a valid language certificate must sit the Placement Test. Those students who do not sit the Placement test by December or do not pass the end of course test in one of the 6 attempts granted will have to get a language certificate outside the University of Milan within their degree.

Learning activity	Prescribed foundation courses	O/S
Microeconomics	Mathematics	Core/compulsory
	Probability, statistics and computer science	Core/compulsory
Botany	Foundations of biology	Core/compulsory
Environmental and landscape geology	Fundamentals of Earth sciences	Core/compulsory
	Physics	Core/compulsory
Environmental biochemistry and microbiology	Foundations of inorganic and organic chemistry	Core/compulsory
	Foundations of biology	Core/compulsory
Environmental economics	Microeconomics	Core/compulsory

Natural resource economics	Microeconomics	Core/compulsory
Probability, statistics and computer science	Mathematics	Core/compulsory
Fundamentals of Earth sciences	Mathematics	Core/compulsory
	Foundations of inorganic and organic chemistry	Core/compulsory
Physics	Mathematics	Core/compulsory
Zoology	Foundations of biology	Core/compulsory
Ecology	Foundations of biology	Core/compulsory
	Probability, statistics and computer science	Core/compulsory