



**UNIVERSITA' DEGLI STUDI DI MILANO**  
**PROGRAMME DESCRIPTION - ACADEMIC YEAR 2020/21**  
**BACHELOR**

**Development and protection of mountain environment (Classe L-25)**  
**Enrolled from 2019/20 academic year**

### **HEADING**

<b>Degree classification - Denomination and code:</b>	L-25 Agriculture and forestry industry
<b>Degree title:</b>	Dottore
<b>Length of course:</b>	3 years
<b>Total number of credits required to complete programme:</b>	180
<b>Years of course currently available:</b>	1st , 2nd
<b>Access procedures:</b>	Cap on student, student selection based on entrance test
<b>Course code:</b>	G24

### **PERSONS/ROLES**

#### **Head of Study Programme**

Prof.ssa Annamaria Giorgi

#### **Tutors - Faculty**

Tutor per i piani di studio:  
A-BL Borgonovo Gigliola  
BO-CA De Noni Ivano  
CE-FE Facchinetti Davide  
FI-LU Ferrazzi Giovanni  
M-P Saracchi Marco  
RA-SE Tamburini Alberto  
SI-Z Zanchi Raffaella

#### **Degree Course website**

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

Via Morino 8, Edolo (BS) Phone 0250330500 Email: [corso.edolo@unimi.it](mailto:corso.edolo@unimi.it)

Email: [presidente.edolo@unimi.it](mailto:presidente.edolo@unimi.it)

via Celoria 18 - Milano Città Studi Phone 0250325032 <https://www.unimi.it/it/node/360> <https://www.unimi.it/it/node/359>

via Celoria 2 - Milano Città Studi Apertura al pubblico: dal lunedì al venerdì dalle ore 10 alle ore 12 Email: [didattica.agraria@unimi.it](mailto:didattica.agraria@unimi.it)

L'abbinamento tra l'iniziale del cognome degli studenti e il docente tutor è consultabile nel Manifesto degli studi:

[https://apps.unimi.it/files/manifesti/ita\\_manifesto\\_G24of2\\_2021.pdf](https://apps.unimi.it/files/manifesti/ita_manifesto_G24of2_2021.pdf)

Prof.ssa Raffaella Zanchi Email: [raffaella.zanchi@unimi.it](mailto:raffaella.zanchi@unimi.it)

### **CHARACTERISTICS OF DEGREE PROGRAMME**

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

The goal of the Undergraduate Programme in Conservation and sustainable development of mountain areas (Class L-25) is to provide a strong basic knowledge, preparatory to the Master Degree Course, and to provide professional skills in the main fields of agricultural and forest sciences.

Graduates will be able to deal with technical, management and professional activities typical of agricultural and forest systems and the related technologies. They will be able to:

- manage and provide technical assistance to typical mountain farms based on integrated agriculture, grazing, dairy, forestry and agri-tourism;
- manage and develop mountain territories in a long-term sustainability perspective

They will be able to work at European and extra-European levels, communicating in English and organising and transferring data and information.

#### **Expected learning outcomes**

Graduates will be able to:

- attend with proficiency to Master Classes
- sampling data and their analyses and presentation

- identifying the territorial resources to be developed
- taking autonomous decisions, based on knowledge and partial data
- writing technical reports using an appropriate language
- communicating ideas, information and solutions both to professional and non-technical audiences, by using different media and technologies
- working in a group.

### **Professional profile and employment opportunities**

The graduated is a specialised professional to operate in the fields of the protection and valorisation of territory and natural resources, of the crop and animal production and related food and non-food products, of the mountain territory.

In particular, the sectors of activity, both as an entrepreneur or employer in private companies or public bodies, are:

- crop and animal production,
- forestry,
- land protection design,
- technical assistance to farmers,
- public administration officers,
- high school teaching.

After the graduation, further professional certifications are allowed: junior agronomist/forester (Section B, according to the Italian law), qualified agricultural technician.

### **Notes**

To obtain the degree, students are required to demonstrate an English language proficiency at level B1 within the Common European Framework of Reference for Languages (CEFR). This level can be assessed in the following ways:

- by submitting the language certificate achieved no more than three years prior to the submission, at level B1 or higher, recognised by the University (the list of recognised language certificates can be found at: <https://www.unimi.it/en/study/language-proficiency/placement-tests-entry-tests-and-english-courses>). The language certificate must be uploaded during the admission process;
- by taking the Placement Test, organised by SLAM exclusively during the first year, from October to December. Students who fail to reach level B1 or B2 will have to attend an English course organised by SLAM. The Placement Test is compulsory for all students who do not have a valid language certificate.

Students who do not take the Placement Test within the deadline and students who fail the SLAM end-of-course test within six attempts will have to obtain a language certificate within the year in which the language exam is scheduled.

## **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 30 different 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**

The Degree course in Conservation and Sustainable Development of Mountain Areas offers ample opportunity to study abroad, mainly through the Erasmus + programme involving approximately 30 universities throughout the European Union. Each year about 5 students choose to spend a period of study/work at these universities. Any specific sectors of the degree course can be developed at partner universities. In general, students who benefit from this opportunity tend to take courses that broaden their scientific knowledge, and to carry out internships or theses in well-known laboratories. A learning agreement, defining the choice of subjects and the organization of the internship at the partner university, is drawn up in collaboration with the Erasmus coordinator of the degree course. Before completing the learning agreement, students must obtain formal approval of the examinations to be taken at the host university from lecturers who hold equivalent or similar courses at the University of Milan. In order to carry out experimental activities abroad, as an internship or part of an internship, a letter of consent is required from a university lecturer at the partner university as well as formal approval regarding the objectives, programme and timing of the internship by the degree course lecturer who will act as supervisor.

### **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, which last 3 to 12 months, through a public selection procedure.

Ad hoc commissions will evaluate:

- 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 generally begins around February each year with the publication of a call for applications specifying the destinations, with the respective programme duration, requirements and online application deadline.

Every year, before the deadline for the call, the University organizes informative meetings to illustrate opportunities and rules for participation to students.

Erasmus+ scholarship

The European Union grants the winners of the Erasmus+ programme selection a scholarship to contribute to their mobility costs, which is 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.

Learn more at <https://www.unimi.it/en/international/study-abroad/studying-abroad-erasmus>.

For assistance, please contact:

International Mobility Office

Via Santa Sofia 9 (second floor)

Tel. 02 503 13501-12589-13495-13502

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

Desk opening hours: Monday to Friday 9 am - 12 noon

<b>1st COURSE YEAR Core/compulsory courses/activities common</b>		
Learning activity	Ects	Sector
Animal and plant biology	12	BIO/05, BIO/03
Computer knowledge and e-skills	6	NA
English assessment B1 (3 ECTS)	3	ND
Essentials of economics	6	AGR/01
General and inorganic chemistry	6	CHIM/03
Mathematics	6	MAT/09, MAT/01
Organic chemistry	6	CHIM/06
Physics	6	FIS/07
Total compulsory credits		51
<b>2nd COURSE YEAR Core/compulsory courses/activities common</b>		
Learning activity	Ects	Sector
Agricultural and forestry mechanization	6	AGR/09
Agronomy for mountain areas	12	AGR/02, AGR/13
Forestry	8	AGR/05
Fruit tree production	8	AGR/03
Geopedology	8	GEO/04, AGR/14
Principles of physiological and metabolic processes in agriculture	10	AGR/16, AGR/13
Rural buildings and land survey	8	AGR/10
Stage	6	NA
Total compulsory credits		66
<b>3rd COURSE YEAR (available as of academic year 2021/22) Core/compulsory courses/activities common</b>		
Learning activity	Ects	Sector
Environmental and Forest Surveying and Economics	8	AGR/01
Final exam	4	NA
Livestock Farming in Mountain Areas	12	AGR/19, VET/01
Plant diseases	8	AGR/11, AGR/12
Processing of agri-food products	7	AGR/15
Soil conservation in mountain watersheds	8	AGR/08
Total compulsory credits		47
<b>Further elective courses</b>		