



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2020/21
BACHELOR
Agricultural Sciences and Technologies (Classe L-25)
Enrolled from 2019/20 academic year

HEADING

Degree classification - Denomination and code:	L-25 Agriculture and forestry industry
Degree title:	Dottore
Curricula currently available:	AGRICOLTURE / AGRI-LIVESTOCK
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:	G28

PERSONS/ROLES

Head of Study Programme

Prof. Roberto Oberti

Tutors - Faculty

Tutor per i piani di studio:

A-B Luisa Pellegrino

C Pietro Marino Gallina

D-E-F Alessia Perego

G-H-I-K-L Noemi Negrini

M-N Roberto Pretolani

O-P Aldo Calcante

Q-R Arianna Facchi

S-T Roberto Pilu

U-V-Z Luca Rapetti

Degree Course website

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

Phone 0250316867 Email: didattica.disaa@unimi.it

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

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

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

https://apps.unimi.it/files/manifesi/ita_manifesto_G28of2_2021.pdf

CHARACTERISTICS OF DEGREE PROGRAMME

General and specific learning objectives

As foreseen by the class L-25 "Agricultural and Forest Sciences and Technologies", the degree course aims at training bachelors with adequate basic skills in the main agrarian sectors, and able to use a scientific approach to solve practical problems. They will be able to perform technical, managerial and professional tasks in activities dealing with crop and livestock systems, and related technologies. They will be able to promptly fit into the work market, both in Europe and outside Europe, being able to use a foreign language, and being able to efficiently communicate and utilize information. The degree course is made of two curricula: a first "Agrarian", more general, and a second one "Agro-Livestock", more specific for animal husbandry.

Expected learning outcomes

Graduates in Agriculture Sciences and Technologies, having a knowledge of both basic and professionals (biology, chemistry, engineering, technic and economic) disciplines, will be able to professionally act on all agriculture sectors such as: technical and economic farm management; conservation, transformation and commercialization of plant and animal commodities; management of the rural territory and environment; adequately communicate and use information; autonomy in team working, with a rapid involvement in the operative work; efficiently use a European language, besides Italian.

Graduate in Agriculture Sciences and Technologies will be ready to enroll in the master degrees of the Agrarian sector and will have the skills to face the future studies with a high level of autonomy.

Professional profile and employment opportunities

The learning structure of the degree, integrated with some choice courses, will give the graduate different possible professional profiles related to the following activities: management of agro-livestock farms; farm and territory agro-mechanization; management of water resources; design/planning of livestock buildings; economic and administrative farm management. Graduates in Agriculture Sciences and Technologies will be able to work in the following sectors: crop-livestock productions, extension service, public and private administration, research and teaching. Skills: technical and economic management of the crop-livestock resources; organization of the extension services; integrated rural development projects; monitoring and safeguard of the rural territory; choice and set up of technical production plants; machine, plant and structure check and safety; energy management in renewable energy systems; practices for environmental protection and sustainable agriculture; commercialization and marketing of agriculture commodities.

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 Course of study in Agrarian Sciences and Technologies gives many opportunities for stages abroad mainly through the Erasmus+ programme. About 30 foreign Universities of the EU are involved in this students exchange. Globally every year about 10 students of this course of study make a stage in these universities. The areas of study which can be followed by the students abroad are almost all those included in this course of study. In general, students who make a stage abroad attend local courses or participate in research for the preparation of their thesis.

The learning agreement is outlined in collaboration with the person in charge for the Erasmus of the degree program, as regards both the choice of courses and the organization of the internship at the partner university. Students must obtain the formal approval of the examinations that they intend to carry out at the host university from professors who hold equivalent or similar teachings at the University of Milan before completing the learning agreement. As regards experimental activities abroad, which can constitute part or the entire program of the internship, a letter of agreement from a professor of the partner university is required, along with the formal approval on the objectives, on the program and on the term of the internship by a professor of the degree program, who will also act as supervisor.

The examination scores and the related UFC obtained in the partner universities are almost entirely acknowledged by our university for the curriculum studies.

Other possibilities exist in terms of cultural exchange with non EU universities (in China, Japan, Latin America) not involved in the Erasmus programme.

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

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

1st COURSE YEAR Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Animal anatomy and genetics	8	(8) AGR/17, (8) VET/01
Biology	12	(12) BIO/05, (12) BIO/03
English assessment B1 (3 ECTS)	3	ND
Essentials of economics	6	AGR/01
General and inorganic chemistry	6	CHIM/03
Mathematics	6	MAT/02
Organic chemistry	6	CHIM/06
Physics	6	FIS/07
Total compulsory credits		53
2nd COURSE YEAR Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Agricultural industries	6	AGR/15
Computer technology and statistics knowledge	6	NA
Farm structures	6	AGR/10
General Agronomy	8	AGR/02
Microbiology	6	AGR/16
Soil and plant science	12	AGR/13
Total compulsory credits		44
3rd COURSE YEAR (available as of academic year 2021/22) Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Agricultural Economics	8	AGR/01
Final exam	5	NA
Total compulsory credits		13
COURSE YEAR UNDEFINED Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Other educational experiences	10	NA
Total compulsory credits		10
Further elective courses common to all curricula		

ACTIVE CURRICULA LIST

AGRICOLTURE Course years currently available: 1°, 2°

AGRI-LIVESTOCK Course years currently available: 1°, 2°

CURRICULUM: [G28-A] AGRICOLTURE**2nd COURSE YEAR Core/compulsory courses/activities Curriculum-specific features AGRICOLTURE**

Learning activity	Ects	Sector
Agricultural hydraulics	6	AGR/08
Animal husbandry	8	(8) AGR/19, (8) AGR/18
Total compulsory credits	14	

3rd COURSE YEAR (available as of academic year 2021/22) Core/compulsory courses/activities Curriculum-specific features AGRICOLTURE

Learning activity	Ects	Sector
Agricultural genetics and herbaceous crops	10	(10) AGR/07, (10) AGR/02
Agricultural machinery	6	AGR/09
Fruit tree production	6	AGR/03
Plant pathology	12	(6) AGR/11, (6) AGR/12
Total compulsory credits	34	

CURRICULUM: [G28-B] AGRI-LIVESTOCK**2nd COURSE YEAR Core/compulsory courses/activities Curriculum-specific features AGRI-LIVESTOCK**

Learning activity	Ects	Sector
Animal husbandry	7	AGR/19
Animal nutrition and feeding	8	AGR/18
Total compulsory credits	15	

3rd COURSE YEAR (available as of academic year 2021/22) Core/compulsory courses/activities Curriculum-specific features AGRI-LIVESTOCK

Learning activity	Ects	Sector
Agricultural Machinery and livestock plants	9	AGR/09
Animal welfare and sustainable animal production	7	AGR/19
Basic crop protection	8	(8) AGR/11, (8) AGR/12
Forage and grain cropping systems	9	AGR/02
Total compulsory credits	33	