



UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2025/26
BACHELOR
MATHEMATICS (Classe L-35 R)
Enrolled in the y.a. 2025/26

HEADING

Degree classification - Denomination and code:	L-35 R
Degree title:	Dottore
Curricula currently available:	GENERAL / APPLICATIONS
Length of course:	3 years
Total number of credits required to complete programme:	180
Years of course currently available:	1st
Access procedures:	Open, subject to completion of self-assessment test prior to enrolment
Course code:	FAM

PERSONS/ROLES

Head of Study Programme

Prof. Ghilardi Silvio

Tutors - Faculty

ALZATI Alberto, CALANCHI Marta, CAMPI Luciano, CAVATERRA Cecilia, CIRAOLO Giulio, FUHRMAN Marco, GARBAGNATI Alice, GORI Anna, LUPERI BAGLINI Lorenzo, MAGGIS Marco, MASTROLIA Paolo, MATESSI Diego, MOLTENI Giuseppe, MONTALTO Riccardo, MONTOLI Andrea, MORALE Daniela, PAYNE Kevin, PENATI Tiziano, PIZZOCCHERO Livio, RIZZO Ottavio, SCACCHI Simone, STELLARI Paolo, SVALDI Roberto, TARSÌ Cristina, TASIN Luca, TERRANEO Elide, TORTORA Alfonso, UGOLINI Stefania, VEESER Andreas, VESELY Libor, ZAMPIERI Elena.

Degree Course website

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

"Piano Lauree Scientifiche" academic tutor

CAUSIN Paola

Admission Test Organization Board

TERRANEO Elide (Presidente), RIZZO Ottavio

Bachelor's Degree Study Plan Board

BERTOLINI Marina (Presidente), SALVATORI Maura, CAUSIN Paola

Disability academic tutor

SCACCHI Simone

Homework academic tutor

MAZZA Carlo

Internship academic tutors

RIZZO Ottavio, BRANCHETTI Laura

Mathematics education office

via Saldini 50 Phone 0250316107-0250316122 09.30-11.30 Email: segrccd.mat@unimi.it

Mathematics Final Exam Board

TARSÌ Cristina (Presidente), CARATI Andrea, MORALE Daniela, VENERUCCI Rodolfo, TERRANEO Elide, ALZATI Alberto

Mathematics Final Exam Organization Board

CALANCHI Marta (Presidente), PELOSO Marco, GHILARDI Silvio, VIGNATI Marco

Orientation and Internship Board

TORTORA Alfonso (Presidente), NALDI Giovanni, MICHELETTI Alessandra, MAGGIS Marco, COZZI Matteo, BRANCHETTI Laura

Other Activities and Credit Award Board

SCACCHI Simone (Presidente), MOLteni Giuseppe, TORTORA Alfonso

Programme Transfer and International Qualifications Recognition Board

ZAMPIERI Elena (Presidente), REGGIO Luca

Socrates-Erasmus Board

GAETA Giuseppe (Presidente), GORI Anna, MATESSI Diego, SCACCHI Simone, PAYNE Kevin

Student registrar

CONTATTI, SEDI E ORARI <https://www.unimi.it/it/node/359> <https://www.unimi.it/it/node/360>

Timetables Board

ZAMPIERI Elena (Presidente), LOVADINA Carlo, ZANOTTI Pietro

Web pages and website academic tutors

PALEARI Simone, TURRINI Cristina

Web pages and website academic tutors

PALEARI Simone, TURRINI Cristina

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).

Study and internships abroad

The Bachelor of Science in Mathematics has long been committed to characterize its educational activities in an international framework under the Erasmus program. We activated several agreements with other universities in Europe. In particular, we have exchange agreements within the disciplines of both curricula: with Austria, Spain, Portugal, France, Germany, Holland, Denmark, Poland, Czech Republic, Slovenia, Sweden, Norway and Finland.

See the website <http://users.unimi.it/erasmusmat/> for collected information on locations and how to recognize the activities carried out abroad.

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

1st COURSE YEAR Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Algebra 1	9	MAT/02
Elements of Basic Mathematics	3	(1) MAT/01, (1) MAT/02, (1) MAT/03
General Physics 1	9	FIS/01
Geometry 1	6	MAT/03
Geometry 2	9	MAT/03
Mathematical Analysis 1	9	MAT/05
Mathematical Analysis 2	6	MAT/05
Programming 1	6	INF/01
Total compulsory credits		57
2nd COURSE YEAR (available as of academic year 2026/27) Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
Algebra 2	6	MAT/02
Geometry 3	9	MAT/03
Mathematical Analysis 3	9	MAT/05
Mathematical Analysis 4	6	MAT/05
Mathematical Physics 1	6	MAT/07
Numerical Analysis 1	9	MAT/08
Probability	9	MAT/06
Total compulsory credits		54
3rd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
General Physics 2	9	FIS/01
Mathematical Physics 1	6	MAT/07
Total compulsory credits		15
Elective courses common to all curricula		
Algebra 4	9	MAT/02
Geometry 5	9	MAT/03
Introduction to Image Processing	6	(3) MAT/03, (3) MAT/08
Mathematical Analysis 5	6	MAT/05
Mathematical methods and models for applications	6	MAT/07
Numerical Linear Algebra	6	MAT/08
Programming 2	6	INF/01
Scientific Computing	6	MAT/08
COURSE YEAR UNDEFINED Core/compulsory courses/activities common to all curricula		
Learning activity	Ects	Sector
English assessment B1 (3 ECTS)	3	ND
Total compulsory credits		3

Further elective courses common to all curricula		
Algorithms and data structures	9	INF/01
General Physics 3	9	(4) FIS/03, (5) FIS/02

ACTIVE CURRICULA LIST

GENERAL Course years currently available: 1°
 APPLICATIONS Course years currently available: 1°

CURRICULUM: [FAM-A] GENERAL

2nd COURSE YEAR (available as of academic year 2026/27) Core/compulsory courses/activities Curriculum-specific features GENERAL

Learning activity	Ects	Sector
Geometry 4	6	MAT/03
Total compulsory credits		6

3rd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities Curriculum-specific features GENERAL

Learning activity	Ects	Sector
Final Exam	3	NA
Total compulsory credits		3

Elective courses Curriculum-specific elective courses for GENERAL

Algebra 3	9	MAT/02
Mathematical Physics 3	9	MAT/07

Further elective courses Curriculum-specific features GENERAL

Educational Training	3	NA
Elements of Basic Mathematics 2	3	MAT/01
Essay Written under the Direction of a Staff Member	3	NA
Laboratory of Mathematical Statistics	3	MAT/06
Mathematical Methods and Models for the Applications	6	MAT/07
Numerical Analysis Laboratory	3	MAT/08
PROBABILITY LAB	3	MAT/06
Topics in Scientific Computing	6	MAT/08

CURRICULUM: [FAM-B] APPLICATIONS

2nd COURSE YEAR (available as of academic year 2026/27) Core/compulsory courses/activities Curriculum-specific features APPLICATIONS

Learning activity	Ects	Sector
Numerical Analysis 2	6	MAT/08
Total compulsory credits		6

3rd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities Curriculum-specific features APPLICATIONS

Learning activity	Ects	Sector
Mathematical Statistics	9	MAT/06
Total compulsory credits		9

COURSE YEAR UNDEFINED Core/compulsory courses/activities Curriculum-specific features APPLICATIONS

Learning activity	Ects	Sector
Final Exam	3	NA
Total compulsory credits		3

Further elective courses Curriculum-specific features APPLICATIONS

Educational Training	3	NA
Elements of Basic Mathematics 2	3	MAT/01
Essay Written under the Direction of a Staff Member	3	NA
Internship in Industry	3	NA
PROBABILITY LAB	3	MAT/06
	3	MAT/07
Laboratory of Mathematical Statistics	3	MAT/06
Numerical Analysis Laboratory	3	MAT/08

COURSE PROGRESSION REQUIREMENTS

For the students who matriculated from the Academic Year 2019/2020 on, passing the exam of the course "Elementi di Matematica di Base" is mandatory for the exams of all the courses of the second and the third year. This rule applies to all the Curricula. Furthermore, the students should take into account the teachers' suggestions regarding possible preliminary useful courses.