UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2025/26
BACHELOR
COMPUTER SCIENCE (Classe L-31 R)
Enrolled in 2025/26

HEADING

Degree classification - Denomination and code:	L-31 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:	FAA

PERSONS/ROLES

Head of Study Programme

Prof.ssa Sabrina Gaito

Degree Course Coordinator

Prof. Paolo Boldi

Tutors - Faculty

TUTOR PER L'ORIENTAMENTO:
Stefano Aguzzoli
Nicola Basilico
Paolo Boldi
Walter Cazzola
Dario Malchiodi
Stefano Montanelli
Massimo Santini
Andrea Mario Trentini
Andrea Visconti

Degree Course website

https://informatica.cdl.unimi.it/

Via Celoria 18 - 20133 Milano https://di.unimi.it/it/dipartimento/organizzazione/commissioni
Email: orientamento.uscita@di.unimi.it

Via Celoria 18 - 20133 Milano https://di.unimi.it/it/dipartimento/organizzazione/commissioni
Email: orientamento@di.unimi.it

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Via Celoria 18 - 20133 Milano Phone 0250316250/252 Sportello in presenza: mercoledì dalle 14.00 alle 16.00 / Sportello telefonico: giovedì dalle 9.30 alle 12.30 https://di.unimi.it/it/dipartimento/segreterie-e-servizi/ufficio-la-didattica
https://informastudenti.unimi.it/saw/ess?AUTH=SAML

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 education program can be enriched by educational activities abroad both to deepen some topics and as socialization experience in international environments. Within the Erasmus+ program study periods can be taken in over 50 universities in Belgium, Czech Republic, Finland, France, Germany, Greece, Hungary, Lithuania, Norway, Netherlands, Poland, Portugal, Romania, Slovenia, Spain, Switzerland, Turkey. Courses will be recognized in the personalized study plan. These periods abroad are typically 5-month long and include courses for about 30 CFU, in the area of information and communication technology and related applications. Recognition of these educational activities will be based on the Learning Agreement, to be defined in advance by the student and the Erasmus coordinator at the Computer Science Department before starting the period abroad: course in the learning agreement with passed exams will replace the educational activities of the study plan ("manifesto"), either by covering the same topics or complementing the acquired basic competences. The Erasmus Committee at the Computer Science Department will perform the recognition of CFU obtained abroad and the definition of the personalized study plan. Similarly, stages to prepare the final dissertation are allowed in the same foreign universities. Recognition will be performed by the Department Erasmus Committee.
Erasmus: the coordinator for the Department of Informatics is Prof. Fabio Scotti.
International Programs: the coordinator for the Department of Informatics is Prof. Davide Rocchesso.
More information are available at the following link: https://di.unimi.it/it/rapporti-internazionali/mobilita-internazionale/opportunita-internazionali

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
AUTOMATA AND FORMAL LANGUAGES	6	INF/01
COMPUTER ARCHITECTURE I	6	INF/01
COMPUTER ARCHITECTURE II	6	INF/01
COMPUTER PROGRAMMING I	12	INF/01
English assessment B1 (3 ECTS)	3	ND
MATHEMATICAL LOGIC	6	INF/01
MATHEMATICS I	9	(4) MAT/03, (5) MAT/05
MATHEMATICS II	9	(5) MAT/03, (4) MAT/05
Total compulsory credits	57	

2nd COURSE YEAR (available as of academic year 2026/27) Core/compulsory courses/activities common

Learning activity	Ects	Sector
ALGORITHMS AND DATA STRUCTURES	12	INF/01
COMPUTER PROGRAMMING II	6	INF/01
DATABASES	12	INF/01
OPERATING SYSTEMS	12	INF/01
STATISTICS AND DATA ANALYSIS	6	INF/01
Total compulsory credits	48	

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

Learning activity	Ects	Sector
COMPUTER NETWORKS	12	INF/01
SOFTWARE ENGINEERING	12	INF/01
Total compulsory credits	24	

Further elective courses

FUNDAMENTALS OF DIGITAL SOCIAL MEDIA *Not active in 2025/26*	6	INF/01
	6	(2) FIS/03, (2) FIS/02, (2) FIS/01
	6	INF/01
ARTIFICIAL INTELLIGENCE	6	INF/01
BUSINESS INTELLIGENCE	6	INF/01
CRYPTOGRAPHY	6	INF/01
EMBEDDED SYSTEMS	6	INF/01
INFORMATION AND CODING THEORY	6	INF/01
MULTIMEDIA PUBLISHING	6	INF/01
QUANTUM INFORMATION AND COMPUTING	6	INF/01
SECURITY AND PRIVACY	6	INF/01
	6	INF/01
	6	INF/01
BUSINESS INTELLIGENCE	6	INF/01
DIGITAL IMAGE PROCESSING	6	INF/01
EMBEDDED SYSTEMS	6	INF/01
LANGUAGES AND COMPILERS	6	INF/01
MULTIMEDIA PUBLISHING	6	INF/01
SECURITY AND PRIVACY	6	INF/01
SIGNAL PROCESSING	6	INF/01
TECNOLOGIES AND LANGUAGES FOR WEB	6	INF/01
	6	(2) FIS/03, (2) FIS/02, (2) FIS/01
ALGORITHMS AND DATA STRUCTURES II	6	INF/01
CRYPTOGRAPHY	6	INF/01
DECLARATIVE PROGRAMMING	6	INF/01
INFORMATION AND CODING THEORY	6	INF/01
LANGUAGES AND COMPILERS	6	INF/01
OPERATIONS RESEARCH	6	MAT/09
PROGRAMMING LANGUAGES	6	INF/01
QUANTUM INFORMATION AND COMPUTING	6	INF/01
	6	INF/01

ALGORITHMS AND DATA STRUCTURES II		6	INF/01
ARTIFICIAL INTELLIGENCE		6	INF/01
DECLARATIVE PROGRAMMING		6	INF/01
DIGITAL IMAGE PROCESSING		6	INF/01
OPERATIONS RESEARCH		6	MAT/09
PROGRAMMING LANGUAGES		6	INF/01
SIGNAL PROCESSING		6	INF/01
TECNOLOGIES AND LANGUAGES FOR WEB		6	INF/01
End of course requirements			
ECONOMICAL, ETHICAL, SOCIAL, AND LEGAL ASPECTS OF IT		3	NA
FINAL EXAM		3	NA
TRAINING		15	NA
	Total compulsory credits	21	

COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
ALGORITHMS AND DATA STRUCTURES	COMPUTER PROGRAMMING I	Core/compulsory
OPERATIONS RESEARCH	MATHEMATICS I	Core/compulsory
PROGRAMMING LANGUAGES	COMPUTER PROGRAMMING I	Core/compulsory
COMPUTER PROGRAMMING II	COMPUTER PROGRAMMING I	Core/compulsory
DATABASES	COMPUTER PROGRAMMING I	Core/compulsory
OPERATING SYSTEMS	COMPUTER PROGRAMMING I	Core/compulsory
STATISTICS AND DATA ANALYSIS	MATHEMATICS I	Core/compulsory