UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2019/20
BACHELOR
Computer Science for New Media Comunications (Classe L-31)
enrolled until 2017/2018 academic year

HEADING

Degree classification - Denomination and code:	L-31 Computer science
Degree title:	Dottore
Length of course:	3 years
Total number of credits required to complete programme:	180
Years of course currently available:	3rd
Access procedures:	Cap on student, student selection based on entrance test
Course code:	F9X

PERSONS/ROLES

Head of Study Programme
  Prof. Giovanni Pighizzini

Degree Course Coordinator
  Prof. Roberto Sassi

Tutors - Faculty
  Alberto Borghese, Claudio Bettini, Raffaella Lanzarotti, Dario Maggiorini, Sabrina Tiziana Gaito, Sergio Mascetti, Giuseppe Boccignone, Giorgio Valentini, Elena Casiraghi.

Degree Course website
  https://icd.cdl.unimi.it/
via Celoria 18, Milano   Phone 0250316250/252   https://icd.cdl.unimi.it/   Email: segreteria.didattica@di.unimi.it

  http://www.unimi.it/studenti/matricole/77516.htm

via Celoria 18, Milano   http://www.di.unimi.it/ecm/home/organizzazione/organi-di-governo/altre-commissioni/content/piani-di-studio.0000.UNIMIDIR
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via Celoria 18, Milano   Phone 199 188 128   https://www.unimi.it/it/studiare/servizi-gli-studenti/segreterie-infostudenti/sedi-e-orari-segreterie-studenti   https://www.unimi.it/it/studiare/servizi-gli-studenti/segreterie-infostudenti

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

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 Spain, Portugal, France, belgium, Switzerland, Germany, Finland, Norway, Sweden, Latvia, Poland, Hungary, Czeck Republic, Slovenia, Greece, Romania, 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.

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 (disactivated from academic year 2018/19) Core/compulsory courses/activities common

Learning activity	Ects	Sector
COMPUTER ARCHITECTURE	6	INF/01
COMPUTER PROGRAMMING	12	INF/01
CONTINUUM MATHEMATICS	12	MAT/09, MAT/01, MAT/02, MAT/03, MAT/04, MAT/05, MAT/06, MAT/07, MAT/08
DIGITAL MARKETING	6	SECS-P/08
English assessment B1 (3 ECTS)	3	L-LIN/12
HUMAN-COMPUTER INTERACTION	6	INF/01
INFORMATION TECHNOLOGY LAW	6	IUS/20
MATHEMATICAL METHODS FOR DIGITAL COMMUNICATION	6	MAT/09, MAT/01, MAT/02, MAT/03, MAT/04, MAT/05, MAT/06, MAT/07, MAT/08
VISUAL COMMUNICATION	6	ICAR/13
Total compulsory credits	63	

2nd COURSE YEAR (disactivated from academic year 2019/20) Core/compulsory courses/activities common

Learning activity	Ects	Sector
ALGORITHMS AND DATA STRUCTURES	6	INF/01
COMPUTER GRAPHICS AND DIGITAL IMAGING	9	INF/01
DATABASES AND WEB	12	INF/01

Learning activity	Ects	Sector
OPERATING SYSTEMS	6	INF/01
PRINCIPLES AND MODELS OF PERCEPTION	6	M-PSI/01
STATISTICS AND DATA ANALYSIS	6	INF/01
WEB AND CLOUD APPLICATIONS	6	INF/01
Total compulsory credits	51	

Elective courses

Learning activity	Ects	Sector
ON LINE SOCIAL INTERACTION	6	INF/01
SIGNAL PROCESSING	6	INF/01

3rd COURSE YEAR Core/compulsory courses/activities common

Learning activity	Ects	Sector
COMPUTER NETWORKS	6	INF/01
Total compulsory credits	6	

Elective courses

Learning activity	Ects	Sector
MOBILE COMPUTING	9	INF/01
THEORY AND PRACTICE OF SOCIAL NETWORKS	12	INF/01
MULTIMEDIA INFORMATION	12	INF/01
MULTIMEDIA PROJECT	9	INF/01

Further elective courses

Learning activity	Ects	Sector
NEW MEDIA SOCIOLOGY	6	SPS/08

End of course requirements

Learning activity	Ects	Sector
FINAL EXAM	3	NA
PROFESSIONAL STAGES	18	NA
Total compulsory credits	21	

COURSE PROGRESSION REQUIREMENTS

The course contains the following obligatory or advised prerequisites

Learning activity	Prescribed foundation courses	O/S
MULTIMEDIA PROJECT	VISUAL COMMUNICATION	Recommended
	COMPUTER GRAPHICS AND DIGITAL IMAGING	Recommended
SIGNAL PROCESSING	MATHEMATICAL METHODS FOR DIGITAL COMMUNICATION	Core/compulsory
	CONTINUUM MATHEMATICS	Core/compulsory
STATISTICS AND DATA ANALYSIS	MATHEMATICAL METHODS FOR DIGITAL COMMUNICATION	Recommended
	CONTINUUM MATHEMATICS	Core/compulsory
COMPUTER GRAPHICS AND DIGITAL IMAGING	COMPUTER PROGRAMMING	Core/compulsory
	MATHEMATICAL METHODS FOR DIGITAL COMMUNICATION	Core/compulsory
	CONTINUUM MATHEMATICS	Recommended
ALGORITHMS AND DATA STRUCTURES	COMPUTER PROGRAMMING	Core/compulsory
	MATHEMATICAL METHODS FOR DIGITAL COMMUNICATION	Recommended
	CONTINUUM MATHEMATICS	Recommended
DATABASES AND WEB	COMPUTER PROGRAMMING	Core/compulsory
COMPUTER NETWORKS	OPERATING SYSTEMS	Recommended
OPERATING SYSTEMS	COMPUTER ARCHITECTURE	Recommended
	COMPUTER PROGRAMMING	Recommended