UNIVERSITA' DEGLI STUDI DI MILANO
PROGRAMME DESCRIPTION - ACADEMIC YEAR 2026/27
MASTER DEGREE
COGNITIVE SCIENCES AND DECISION-MAKING PROCESSES
(Classe LM-55 R)
Enrolled in 2026/2027 Academic Year

HEADING

Degree classification - Denomination and code:	LM-55 R
Degree title:	Dottore Magistrale
Curricula currently available:	APPLIED COGNITIVE NEUROSCIENCE / DECISION-MAKING IN MEDICAL AND HEALTHCARE SETTINGS
Length of course:	2 years
Credits required for admission:	180
Total number of credits required to complete programme:	120
Years of course currently available:	1st
Access procedures:	Cap on student, student selection based on entrance test
Course code:	KBB

PERSONS/ROLES

Head of Study Programme

prof.ssa Ilaria Cutica

Tutors - Faculty

Per la mobilità internazionale e Erasmus:
prof.ssa Alessandra Gorini

Per i piani di studio, riconoscimento crediti e trasferimenti
prof.ssa Chiara Guglielmetti

Per l'orientamento e la tesi di laurea:
prof.ssa Ilaria Cutica

Degree Course website

https://sco.cdl.unimi.it/it

Email: scienzecognitive@unimi.it

CHARACTERISTICS OF DEGREE PROGRAMME

General and specific learning objectives

The degree program will have restricted admission pursuant to Law no. 264/1999.
The number of available places is determined annually by the relevant academic bodies, following an evaluation of the structural, instrumental, and staffing resources required to support the program.
Admission to the program is contingent upon passing an entrance examination designed to assess basic competencies and personal preparation. The entrance test will consist of a written examination with multiple-choice questions aimed at evaluating logical reasoning skills, reading comprehension (in Italian), logic, basic biology, basic statistics, and general psychology.
Detailed information regarding the bibliography and structure of the entrance examination will be provided in the Admission Notice and on the webpage https://sco.cdl.unimi.it/it/iscriversi.

Graduates holding a degree in the following classes ? or those with an equivalent qualification obtained abroad and recognized as valid ? are eligible to sit for the entrance test:
L-2 Biotechnology
L-5 Philosophy
L-20 Communication Sciences
L-24 Psychological Sciences and Techniques
L-SNT/1 Health Professions in Nursing and Midwifery
L-SNT/2 Health Professions in Rehabilitation

L-SNT/3 Technical Health Professions
L-SNT/4 Health Professions in Prevention

Students nearing graduation in the above-mentioned degree classes may also apply, provided they graduate by December 31, 2025.
Graduates from other degree classes, as well as holders of a foreign qualification recognized as valid, may also apply, provided they have earned at least 30 ECTS credits in one or more of the following groups of academic disciplines (SSD):

First group:
M-PSI/01, M-PSI/02, M-PSI/03, M-PSI/04, M-PSI/05, M-PSI/06, M-PSI/07, M-PSI/08
Second group:
M-FIL/01, M-FIL/02, M-FIL/03, M-FIL/04, M-FIL/05
Third group:
SPS/01, SPS/02, SPS/03, SPS/04, SPS/05, SPS/06, SPS/07, SPS/08, SPS/09, SPS/10, SPS/11
IUS/01, IUS/02, IUS/03, IUS/04, IUS/05, IUS/06, IUS/07, IUS/08, IUS/09, IUS/10, IUS/11, IUS/12, IUS/13, IUS/14, IUS/21
SECS-S/01, SECS-S/02, SECS-S/03, SECS-S/04, SECS-S/05, SECS-S/06
Fourth group:
INF/01, MAT/01, MAT/02, MAT/03, MAT/04, MAT/05, MAT/06, MAT/07, MAT/08, MAT/09
Fifth group:
BIO/09, BIO/16, BIO/17, BIO/18, MED/01, MED/03, MED/09, MED/25, MED/26, MED/42, MED/45, MED/47, MED/48

Proficiency in English at a B1 level or higher under the Common European Framework of Reference for Languages (CEFR) is required for admission.
The B1-level requirement will be ascertained by the University Language Centre (SLAM) upon admission as follows:
- Language certificate at or above B1, obtained no more than three years earlier. For the list of language certificates recognized by the University please review: (https://www.unimi.it/en/node/39267). The certificate must be uploaded when submitting the online application;
- English level achieved during a University of Milan degree programme and certified by the University Language Centre (SLAM) no more than four years before the date of admission application, including levels based on language certificates submitted by the applicants during their Bachelor?s degree at the University of Milan. In this case the process is automatic, the applicant does not have to attach any certificates to the application;
- Entry test administrated by the University Language Centre (SLAM) according to the calendar published on the website: (https://www.unimi.it/en/node/39267)
All those who fail to submit a valid certificate or do not meet the required proficiency level will be instructed during the admission procedure to take the Entry test.
Applicants who do not take or pass the Entry test will be required to obtain a language proficiency certificate recognized by the University (see: https://www.unimi.it/en/node/39322) and deliver it to the SLAM via the InformaStudenti service by the deadline fixed for the master?s programme (https://www.unimi.it/en/node/39267/).
Applicants who do not meet the requirement by said deadline will not be admitted to the master's degree programme and may not sit any further tests.

Italian proficiency at a B1 level or higher per the Common European Framework of Reference for Languages (CEFR)is a requisite for admission.
This level is assessed by the University Language Centre (SLAM) during the admissions process in any of the following ways:
- An Italian language certificate attesting to a B1 level or higher issued no more than three years before the date of submission. You will find the list of language certificates recognized by the University at: https://www.unimi.it/en/node/349. The certificate must be uploaded during the application process;
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If the applicant does not take or does not pass the entry test, he or she must obtain, by private means, Italian language certification recognized by the University (list of recognized certifications at: https://www.unimi.it/en/node/349) and submit it to the SLAM via the InformaStudenti service no later than the deadline set by the degree course (https://www.unimi.it/en/node/46371). If the Italian language requisite has not been satisfied by said deadline, the applicant will not be admitted to the Master?s programme and will not be able to sit for any further tests.

Initial knowledge required

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M-FIL/01, M-FIL/02, M-FIL/03, M-FIL/04, M-FIL/05
Third group:
SPS/01, SPS/02, SPS/03, SPS/04, SPS/05, SPS/06, SPS/07, SPS/08, SPS/09, SPS/10, SPS/11
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SECS-S/01, SECS-S/02, SECS-S/03, SECS-S/04, SECS-S/05, SECS-S/06
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Fifth group:
BIO/09, BIO/16, BIO/17, BIO/18, MED/01, MED/03, MED/09, MED/25, MED/26, MED/42, MED/45, MED/47, MED/48

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- Italian level achieved during a University of Milan degree programme and certified by the University Language Centre (SLAM) no more than four years before the date of admission application. In this case the process is automatic, the applicant does not have to attach any certificates to the application;
- Entry test administrated by the University Language Centre (SLAM) according to the calendar published on the website: https://www.unimi.it/en/node/349. Those who fail to submit a valid certificate or do not meet the required proficiency level will be instructed during the admission procedure to take the entry test.

If the applicant does not take or does not pass the entry test, he or she must obtain, by private means, Italian language certification recognized by the University (list of recognized certifications at: https://www.unimi.it/en/node/349) and submit it to the SLAM via the InformaStudenti service no later than the deadline set by the degree course (https://www.unimi.it/en/node/46371). If the Italian language requisite has not been satisfied by said deadline, the applicant will not be admitted to the Master's programme and will not be able to sit for any further tests.

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).

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 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 to all curricula			
Learning activity		**Ects**	**Sector**
		6	MEDS-24/A
Anatomical-physiological bases of the cognitive processes		9	(3) MEDS-12/A, (6) BIOS-06/A
Artificial Intelligence: methods and applications		6	INFO-01/A
Cognitive psychology		9	PSIC-01/A
Cognitive research methodology		6	PSIC-01/A
Ethical issues of decision-making processes in biomedicine		6	PHIL-02/A
Psychology of decisions		6	PSIC-01/A
	Total compulsory credits	48	

Further elective courses common to all curricula		
3 ECTS to be obtained to verify the B2 level of English:		
English proficiency B2 (3 ECTS)	3	NN

End of course requirements common to all curricula			
Final Exam		18	NN
	Total compulsory credits	18	

ACTIVE CURRICULA LIST

APPLIED COGNITIVE NEUROSCIENCE Course years currently available: 1st
DECISION-MAKING IN MEDICAL AND HEALTHCARE SETTINGS Course years currently available: 1st

CURRICULUM: [KBB-A] APPLIED COGNITIVE NEUROSCIENCE

2nd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities Curriculum-specific features APPLIED COGNITIVE NEUROSCIENCE			
Learning activity		**Ects**	**Sector**
Advanced cognitive psychology		6	PSIC-01/A
Artificial intelligence and decision making for health and medicine		6	(3) STAT-04/A, (3) INFO-01/A
Cellular and molecular basis of cognition in health and diseases		12	BIOS-11/A
Neuroethics		6	PHIL-03/A
Neurotechnology and innovation in therapeutics		6	BIOS-11/A
	Total compulsory credits	36	

CURRICULUM: [KBB-B] DECISION-MAKING IN MEDICAL AND HEALTHCARE SETTINGS

2nd COURSE YEAR (available as of academic year 2027/28) Core/compulsory courses/activities Curriculum-specific features DECISION-MAKING IN MEDICAL AND HEALTHCARE SETTINGS			
Learning activity		**Ects**	**Sector**
Bioethics of emerging technologies in healthcare		6	PHIL-02/A
Clinical risk management and its implication in legal and insurance field		9	(3) MEDS-24/C, (3) MEDS-25/A, (3) MEDS-24/B
Decision-making processes in groups		6	PSIC-03/A
Persuasive technology and E-health		9	PSIC-03/A
Use of data in medical decisions		6	(3) MEDS-09/A, (3) MEDS-04/A
	Total compulsory credits	36	