UNIVERSITY OF MILANO - BICOCCA

DEPARTMENT OF PHYSICS "GIUSEPPE OCCHIALINI"

Interuniversity Master's Degree Program in

ARTIFICIAL INTELLIGENCE FOR SCIENCE AND TECHNOLOGY

(CLASS LM-91)

Annual Study Manifesto A.Y. 2025/2026

1. Teaching activities

In the Academic Year 2025-2026, the **first (F9103Q)** and the **second (F9102Q)** year of the interuniversity Master's Degree Program in Artificial Intelligence for Science and Technology - Class LM-91 - are activated. They are jointly organized by the University of Milano-Bicocca (UNIMIB), the University of Milano (UNIMI) and the University of Pavia (UNIPV). The Master's Degree Program in Artificial Intelligence for Science and Technology is taught in English. The exams will be carried out in English. The classes will take place in all three Universities according to the class schedule published at the link mentioned in Art. 6 of this manifesto.

The teaching activities activated respectively for the first and second year are listed below.

FIRST YEAR
(For students enrolling in the A.Y. 2025-2026 – Didactic Regulations A.Y. 2025-2026).

Compulsory teaching activities

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9103Q001	**ADVANCED FOUNDATIONS OF MATHEMATICS FOR AI**	**6**	MAT/07	F9103Q001	ADVANCED FOUNDATIONS OF MATHEMATICS FOR AI	6	First semester
F9103Q002	**ADVANCED FOUNDATIONS OF STATISTICS FOR AI**	**6**	SECS-S/01	F9103Q002	ADVANCED FOUNDATIONS OF STATISTICS FOR AI	6	First semester
F9103Q003	**ADVANCED FOUNDATIONS OF PHYSICS FOR AI**	**6**	FIS/01	F9103Q003	ADVANCED FOUNDATIONS OF PHYSICS FOR AI	6	First semester
F9103Q004	**ADVANCED FOUNDATIONS OF ARTIFICIAL INTELLIGENCE**	**12**	ING-INF/05	F9103Q00401	ARTIFICIAL INTELLIGENCE	6	First semester
			INF/01	F9103Q00402	AI FOR SIGNAL AND IMAGE PROCESSING	6	First semester

Compulsory multiple-choice activities
The student has to choose one of the following Application Areas:

Application Area n. 1: **AI for Industry and Environment**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9103Q007	**SYSTEMS FOR INDUSTRY 4.0 AND ENVIRONMENT (IoT)**	**6**	ING-INF/05	F9103Q007	SYSTEMS FOR INDUSTRY 4.0 AND ENVIRONMENT (IoT)	6	Second Semester
F9103Q008	**ADVANCED DATA MANAGEMENT AND**	**6**	INF/01	F9103Q008	ADVANCED DATA MANAGEMENT AND	6	Second Semester

	DECISION SUPPORT SYSTEMS				DECISION SUPPORT SYSTEMS		
F9103Q009	**ADVANCED ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING**	**6**	INF/01	F9103Q009	ADVANCED ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING	6	Second Semester
F9103Q029	**SENSING AND VISION FOR INDUSTRY AND ENVIRONMENT**	**12**	ING-INF/03	F9103Q02901	INTELLIGENT SENSING AND REMOTE SENSING	6	Second Semester
			INF/01	F9103Q02902	VISION FOR INDUSTRY AND ENVIRONMENT	6	Second Semester

Application Area n. 2: **Intelligent Embedded Systems**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9103Q012	**EMBEDDED SYSTEMS ARCHITECTURES AND DESIGN**	**6**	ING-INF/05	F9103Q012	EMBEDDED SYSTEMS ARCHITECTURES AND DESIGN	6	Second Semester
F9103Q008	**ADVANCED DATA MANAGEMENT AND DECISION SUPPORT SYSTEMS**	**6**	INF/01	F9103Q008	ADVANCED DATA MANAGEMENT AND DECISION SUPPORT SYSTEMS	6	Second Semester
F9103Q009	**ADVANCED ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING**	**6**	INF/01	F9103Q009	ADVANCED ARTIFICIAL INTELLIGENCE, MACHINE LEARNING AND DEEP LEARNING	6	Second Semester
F9103Q043	**AMBIENT INTELLIGENCE**	**12**	INF/01	F9103Q04301	ADVANCED HUMAN-SYSTEM INTERFACES	6	Second Semester
			INF/01	F9103Q04302	AMBIENT INTELLIGENCE AND DOMOTICS	6	Second Semester

Application Area n. 3: **Sensing and Signal/Image Processing for Healthcare and Environment**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9103Q015	**ADVANCED COMPUTATIONAL TECHNIQUES FOR BIG IMAGING AND SIGNAL DATA**	**6**	INF/01	F9103Q015	ADVANCED COMPUTATIONAL TECHNIQUES FOR BIG IMAGING AND SIGNAL DATA	6	Second Semester
F9103Q045	**MACHINE LEARNING FOR MODELLING**	**12**	INF/01	F9103Q04501	SUPERVISED LEARNING	6	Second Semester
			INF/01	F9103Q04502	UNSUPERVISED LEARNING	6	Second Semester
F9103Q016	**SIGNAL AND IMAGING ACQUISITION AND MODELLING IN HEALTHCARE**	**6**	FIS/07	F9103Q016	SIGNAL AND IMAGING ACQUISITION AND MODELLING IN HEALTHCARE	6	Second Semester
F9103Q017	**SIGNAL AND IMAGING ACQUISITION AND MODELLING IN ENVIRONMENT**	**6**	FIS/01	F9103Q017	SIGNAL AND IMAGING ACQUISITION AND MODELLING IN ENVIRONMENT	6	Second Semester

Application Area n. 4: **Complex Systems and Quantum Technologies**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9103Q022	**AI MODELS FOR PHYSICS**	**6**	FIS/02	F9103Q022	AI MODELS FOR PHYSICS	6	Second Semester

F9103Q023	**STATISTICAL LEARNING**	**6**	INF/01	F9103Q023	STATISTICAL LEARNING	6	Second Semester
F9103Q045	**MACHINE LEARNING FOR MODELLING**	**12**	INF/01	F9103Q04501	SUPERVISED LEARNING	6	Second Semester
			INF/01	F9103Q04502	UNSUPERVISED LEARNING	6	Second Semester
F9103Q039	**FOUNDATIONS OF QUANTUM COMPUTING**	**6**	FIS/03	F9103Q039	FOUNDATIONS OF QUANTUM COMPUTING	6	Second Semester

SECOND YEAR
(For students enrolled in the A.Y. 2024-2025 – Didactic Regulations A.Y. 2024-2025).

Compulsory teaching activities

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9102Q006	**ADVANCED FOUNDATIONS OF LAW AND REGULATIONS IN PRIVACY AND DATA PROTECTION**	**6**	IUS/04	F9102Q006M	ADVANCED FOUNDATIONS OF LAW AND REGULATIONS IN PRIVACY AND DATA PROTECTION	6	First Semester
F9102Q005	**DATA-DRIVEN ORGANIZATIONS AND MANAGEMENT**	**6**	SECS-P/10	F9102Q005M	DATA-DRIVEN ORGANIZATIONS AND MANAGEMENT	6	First Semester
TAF D	**FREE-CHOICE TEACHING ACTIVITIES**	**12**	NN				
F9102Q037	**STAGE**	**6**	NN				
F9102Q038	**FINAL EXAMINATION**	**21**	PROFIN_S				

Compulsory free-choice activities
The student has to choose one of the following "Further Linguistic Knowledge" activities:

Code	Teaching Activity	CFUs	Academic Discipline
F9102Q032	**FURTHER LINGUISTIC KNOWLEDGE - ENGLISH - C1 LEVEL (OR HIGHER)**	**3**	NN
F9102Q033	**FURTHER LINGUISTIC KNOWLEDGE - FRENCH - B2 LEVEL (OR HIGHER)**	**3**	NN
F9102Q034	**FURTHER LINGUISTIC KNOWLEDGE - GERMAN - B2 LEVEL (OR HIGHER)**	**3**	NN
F9102Q035	**FURTHER LINGUISTIC KNOWLEDGE - SPANISH - B2 LEVEL (OR HIGHER)**	**3**	NN
F9102Q047	**FURTHER LINGUISTIC KNOWLEDGE - ITALIAN - A2 LEVEL (OR HIGHER)**	**3**	NN

Compulsory multiple-choice activities
The student has to choose ONE COMPULSORY MULTIPLE-CHOICE ACTIVITY (6 CFUs) according to the Application Area previously selected. The student can choose it among the following ones:

Application Area n. 1: **AI for Industry and Environment**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9102Q044	**INTELLIGENT MONITORING AND CONTROL SYSTEMS**	**6**	**ING-INF/05**	F9102Q044	INTELLIGENT MONITORING AND CONTROL SYSTEMS	6	First Semester
F9102Q011	**ENVIRONMENTAL MONITORING AND MANAGEMENT**	**6**	**ING-INF/03**	F9102Q011M	ENVIRONMENTAL MONITORING AND MANAGEMENT	6	First Semester
F9102Q040	**PRIVACY AND DATA PROTECTION**	**6**	**INF/01**	F9102Q040	PRIVACY AND DATA PROTECTION	6	First Semester

Application Area n. 2: **Intelligent Embedded Systems**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9102Q013	**EMBEDDED SYSTEMS FOR BIOMEDICAL APPLICATIONS**	**6**	**ING-INF/06**	F9102Q013M	EMBEDDED SYSTEMS FOR BIOMEDICAL APPLICATIONS	6	First Semester
F9102Q014	**INTELLIGENT CONSUMER TECHNOLOGIES**	**6**	**INF/01**	F9102Q014M	INTELLIGENT CONSUMER TECHNOLOGIES	6	First Semester
F9102Q046	**ARTIFICIAL VISION**	**6**	**ING-INF/05**	F9102Q046	ARTIFICIAL VISION	6	First Semester
F9102Q040	**PRIVACY AND DATA PROTECTION**	**6**	**INF/01**	F9102Q040	PRIVACY AND DATA PROTECTION	6	First Semester

Application Area n. 3: **Sensing and Signal/Image Processing for Healthcare and Environment**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9102Q018	**PHYSICAL SENSORS AND SYSTEMS FOR BIOMEDICAL SIGNALS**	**6**	**FIS/03**	F9102Q018M	PHYSICAL SENSORS AND SYSTEMS FOR BIOMEDICAL SIGNALS	6	First Semester
F9102Q042	**PHYSICAL SENSORS AND SYSTEMS FOR ENVIRONMENTAL SIGNALS**	**6**	**GEO/12**	F9102Q042	PHYSICAL SENSORS AND SYSTEMS FOR ENVIRONMENTAL SIGNALS	6	First Semester
F9102Q020	**PHYSICAL SENSORS AND SYSTEMS FOR BIOMEDICAL IMAGING**	**6**	**FIS/07**	F9102Q020M	PHYSICAL SENSORS AND SYSTEMS FOR BIOMEDICAL IMAGING	6	First Semester
F9102Q021	**PHYSICAL SENSORS AND SYSTEMS FOR ENVIRONMENTAL IMAGING**	**6**	**FIS/07**	F9102Q021M	PHYSICAL SENSORS AND SYSTEMS FOR ENVIRONMENTAL IMAGING	6	First Semester

Application Area n. 4: **Complex Systems and Quantum Technologies**

Code	Teaching Activity	CFUs	Academic Discipline	Code	Module	CFUs	Semester
F9102Q025	**ADVANCED STATISTICAL MECHANICS AND DISORDERED SYSTEMS**	**6**	**FIS/02**	F9102Q025M	ADVANCED STATISTICAL MECHANICS AND DISORDERED SYSTEMS	6	First Semester
F9102Q026	**QUANTUM INFORMATION AND ALGORITHMS**	**6**	**INF/01**	F9102Q026M	QUANTUM INFORMATION AND ALGORITHMS	6	First Semester
F9102Q027	**STATISTICAL MECHANICS OF NEURAL NETWORKS**	**6**	**FIS/02**	F9102Q027M	STATISTICAL MECHANICS OF NEURAL NETWORKS	6	First Semester
F9102Q028	**QUANTUM COMPUTERS AND TECHNOLOGIES**	**6**	**FIS/02**	F9102Q028M	QUANTUM COMPUTERS AND TECHNOLOGIES	6	First Semester

F9102Q041	**HIGH-PERFOMANCE COMPUTING FOR AI APPLICATIONS IN PHYSICS**	**6**	**FIS/02**	F9102Q041	HIGH-PERFOMANCE COMPUTING FOR AI APPLICATIONS IN PHYSICS	6	First Semester

2. Enrollment

In order to be eligible for admission to the Master's Degree Program in Artificial Intelligence for Science and Technology, candidates must hold a Bachelor's Degree, a three-year university diploma or a foreign academic qualification acknowledged as suitable.
Basic knowledge of Computer Science, Mathematics, Statistics and Physics is essential. Therefore, candidates must have at least 30 CFUs in the following scientific-disciplinary sectors (SSD): INF/01, ING-INF/05, ING-INF/03, from MAT/01 to MAT/09, from SECS-S/01 to SECS-S/06, from FIS/01 to FIS/08.
The English language proficiency equal to or higher than B2 level is also required for admission, in order to enable understanding and participation in the teaching activities.

Once the curricular requirements have been verified, the admission to the Master's Degree Program is conditional on the assessment of the adequacy of candidates' personal preparation. The personal preparation will be evaluated through an individual interview conducted by the Evaluation Committee.
The interview will assess applicants' basic knowledge in Computer Science, Mathematics, Statistics and Physics. In particular, the interview will cover topics from the following areas:
- Computer Science: Programming, Algorithms, Data Structures, Artificial Intelligence.
- Mathematics: Linear Algebra, Differential and Integral Calculus in one or more variables, Numerical Series.
- Statistics: Descriptive Statistics, Probability, Random Variables, Inference, Linear Model.
- Physics: elements of Statistics, Dynamics, Energy, Thermodynamics, Electromagnetism and Optics.

Students who meet the curricular requirements (at least 30 CFUs in the following scientific-disciplinary areas: INF/01, ING-INF/05, ING-INF/03, from MAT/01 to MAT/09, from SECS-S/01 to SECS-S/06, from FIS/01 to FIS/08) are exempt from the admission interview if:
1. they hold a Bachelor's Degree with a grade equal to or higher than 100/110, or a Cumulative/Overall GPA equal to or higher than 3.55 (in a scale from 0 to 4);

or:

2. they hold a Master's Degree in one of the following classes: LM-17, LM-18, LM-21, LM-25, LM-27, LM-32, LM-35, LM-40, LM-44, LM-66, LM-82, LM-91, or a foreign Master's Degree acknowledged as suitable by the Committee.

Also candidates who meet **all** the following 4 conditions are exempt from the interview as well:

1. they hold a Bachelor's Degree with a grade equal to or higher than 95/110 and lower than 100/110, or a Cumulative/Overall GPA equal to or higher than 3.32 and lower than 3.55 (in a scale from 0 to 4);
2. they achieved at least 20 CFUs (or equivalent credit/hours) in Computer Science (academic disciplines: INF/01, ING-INF/05) in the previous academic career;
3. they achieved at least 15 CFUs (or equivalent credit/hours) in Mathematics (academic disciplines: MAT/01, MAT/02, MAT/03, MAT/04, MAT/05, MAT/07, MAT/08 e MAT/09) in the previous academic career;
4. they achieved at least 5 CFUs (or equivalent credit/hours) in Statistics and Probability (academic disciplines: from SECS-S/01 to SECS-S/06 or MAT/06) in the previous academic career.

If the knowledge relating to one of the previous conditions 2, 3 and 4 for exemption from interview was acquired as part of a teaching activity of an Italian Program among the ones above and classified in an academic discipline (i.e. settori scientifico-disciplinari or SSD) other than those indicated, it is necessary to attach the syllabus of that teaching to enable it to be assessed.

Students meeting the curricular requirements (at least 30 CFUs in the following scientific-disciplinary areas: INF/01, ING-INF/05, ING-INF/03, from MAT/01 to MAT/09, from SECS-S/01 to SECS-S/06, from FIS/01 to FIS/08) who are not exempt from the interview, are admitted to the interview if they meet **all** the following 4 conditions:

1. they hold a Bachelor's Degree with a grade equal to or higher than 85/110, or a Cumulative/Overall GPA equal to or higher than 3.2 (in a scale from 0 to 4);
2. they achieved at least 6 CFUs (or equivalent credit/hours) in Computer Science (academic disciplines: INF/01, ING-INF/05) in the previous academic career;
3. they achieved at least 6 CFUs (or equivalent credit/hours) in Mathematics (academic disciplines: MAT/01, MAT/02, MAT/03, MAT/04, MAT/05, MAT/07, MAT/08 e MAT/09) in the previous academic career;
4. they achieved at least 4 CFUs (or equivalent credit/hours) in Statistics and Probability (academic disciplines: from SECS-S/01 to SECS-S/06 or MAT/06) in the previous academic career.

If the knowledge relating to one of the previous conditions 2, 3 and 4 for the admission to the interview was acquired as part of a teaching activity of an Italian Program among the ones above and classified in an academic discipline (i.e. settori scientifico-disciplinari or SSD) other than those indicated, it is necessary to attach the syllabus of that teaching to enable it to be assessed.

For graduand students will be considered those teaching activities that have been successfully passed as reported in the documentation submitted and the average of the grades obtained, weighted with the respective CFUs and converted in 110ths. For graduand students with a foreign Bachelor's Degree, the Cumulative/Overall GPA achieved for those teaching activities that have been successfully passed as reported in the documentation submitted will be considered.

Candidates who do not meet the requirements described above **will not be admitted** to the Master's Degree Program.

The interviews will take place remotely.

The English language proficiency equal to or higher than B2 level is also required for admission.
The English language proficiency requirement is considered fulfilled if the candidate:
a) holds an English B2 level or higher certification, recognized by the University of Milano-Bicocca and issued by an accredited body (the certification must have been obtained no more than three years before the date of the application);
b) has obtained the Bbetween English B2 Open Badge of the University of Milano-Bicocca, or has passed the Placement test in English language at B2 level of the University of Milano or has obtained the English B2 Open Badge of the University of Pavia;
c) has completed a Degree Program entirely or predominantly taught in English.

The application procedure as well as the dates of the interviews are published on the University website, at the Study Course page.

3. Contemporary pre-enrolment

According to the legislation in force, the student can pre-enroll simultaneously in two different high education programs, in order to obtain two different academic titles (see art. 20 of the Didactic Regulations of the University).

Information on application procedures and fees can be found on the University website, at the following page: https://www.unimib.it/servizi/studenti-e-laureati/segreterie/contemporanea-iscrizione-due-corsi-studio

4. Pre-enrolment in the years subsequent to the first one

In academic year 2025-2026, students of class 2025-2026 are not allowed to pre-enroll in the years subsequent to the first one.
Students of class 2024-2025 and earlier, however, are allowed to pre-enroll in the second year according to the procedure published at https://www.unimib.it/servizi/segreterie-studenti/rinnova-liscrizione

5. Credits recognition and transfer procedures

Students who:
a. have transferred from another Master's Degree Program
b. have taken a leave of absence
c. have previously withdrawn from the University
d. hold another Master's Degree
have to apply for the evaluation of their previous academic career in view of the verification of the adequacy of their personal preparation and the possession of curricular requirements. The Teaching Coordination Council will approve the total or partial recognition of the already passed educational activities.

In the event of a student's transfer from another Master's Degree Program belonging to Class LM-91, the amount of CFUs relative to the same scientific-disciplinary area (SSD) which are directly recognized to the student cannot be lower than 50% of the already hold credits. (D.M. March 16, 2007).

Pursuant to D.M. 270/2004 and L. 240/2010, Universities may recognize as credits (CFUs) the individually certified professional knowledge and skills, in accordance with the legislation in force, as well as the other knowledge and skills acquired in post-secondary education activities in which the University participated, for a total amount of 24 CFUs (students of class 2025-2026) - according to D.M. 931/2024 - or 12 CFUs (students of class 2024-2025) within Bachelor's and Master's Degrees.
If some activities have already been recognized as credits in Bachelor's Degree Programs, they cannot be further considered as CFUs in Master's Degree Programs.

Information on transfer's application procedures is published on the University website, at the following webpage: https://www.unimib.it/servizi/segreterie-studenti/passaggi-trasferimenti-e-rinunce

6. Class schedule

First semester's classes will take place from **September 29, 2025** to **December 19, 2025**.
Second semester's classes will take place from **March 2, 2026** to **May 29, 2026**.

Class schedule will be published on the Student's Web Agenda:
https://gestioneorari.didattica.unimib.it/PortaleStudentiUnimib/index.php?view=easycourse&_lang=en

7. Teaching programs

The teaching programs (Syllabus) are available on the University e-learning platform at the following link:
https://elearning.unimib.it/course/index.php?categoryid=9164

8. Free-choice activities (art. 10, paragraph 5, letter a, DM 270/2004)

The student is required to obtain 12 CFUs in the "free-choice activities". The student may get these CFUs by passing exams whose number of CFUs attributed is at least equal to the one required.
The student can freely choose the "free-choice activities" among the teaching activities activated in the Master's Degree Program in Artificial Intelligence for Science and Technology and the teaching activities

offered by other Master's Degree Programs activated in the University of Milano-Bicocca, the University of Milano and the University of Pavia, subject to the approval of the study plan. According to the legislation in force, for calculating the total number of exams, the "free-choice activities" are considered as a single examination.

9. Further linguistic knowledge (Art. 10, paragraph 5, letter d, DM 270/2004)

The acquisition of 3 CFUs of "Further Linguistic Knowledge" takes place as described below:

ITALIAN students:

- by passing a University test of foreign language proficiency at B2 level. The foreign language cannot be the English language: the student has to choose among French, Spanish or German.
- by passing the University test of English language proficiency at C1 level.

Italian students will be entitled to exemption from the test and the recognition of the expected CFUs if they already held the University of Milano-Bicocca's Open Badge or certifications issued by accredited bodies attesting French/Spanish/German language proficiency at B2 level or higher or attesting English language proficiency at C1 level or higher. The certification must have been obtained no more than three years before the date of delivery.

FOREIGN students:

- by passing the A2 level Italian language test organized by the University of Milano-Bicocca.

Foreign students will be entitled to exemption from the language test and the recognition of the expected CFUs if they already held the University of Milano-Bicocca's Open Badge or certifications issued by accredited bodies attesting Italian language proficiency at A2 level or higher. The certification must have been obtained no more than three years before the date of delivery.

Information on language test's procedures and the acquisition of CFUs is defined at University level and it will be available on the University website at the following link: https://en.unimib.it/education/mobility-opportunities/languages-unimib

10. Internship

The educational pathway includes a theoretical-experimental internship (6 CFUs).
The internship is a compulsory activity and it is intended to prepare the final dissertation, since it represents its theoretical-experimental part.
The compulsory internship may take place at Universities, companies or organizations, either in Italy or abroad.
The student is supervised by an internal professor (University tutor), and by an external professor if the internship is done outside the University, in accordance with the Internship Agreement concluded by the University and the organization/company.
The acquisition of CFUs related to the internship is subject to the student's achievement of the learning objectives. The student will earn the respective CFUs only if the internship's assessment is positive.

11. Learning methods

The educational program consists of lectures, exercises and laboratories.
The acquisition of knowledge and skills by the student is assessed in university credits (CFUs). 1 CFU corresponds to the average time commitment for a student of the program equal to 25 hours, including the teaching activities carried out by the Master's Degree program and the commitment reserved for personal

study or other individual educational activities. To earn 1 CFU, the student must attend 8 hours of lectures or 12 hours of exercises or 12 hours of laboratories.
The credits corresponding to each teaching activity are assigned to the student upon passing the exam or another form of verification of the preparation and the skills acquired.

12. Extra credits

According to art. 22, paragraph 4 of the Didactic Regulations of the University in force, students enrolled in Bachelor's Degree Program, Master's Degree Program or Single-cycle Master's Degree Program may include in their study plan one or more teaching activities in addition to those required for the academic title's achievement, up to a maximum of 16 CFUs.

CFUs and marks of additional teaching activities will not be counted in the final average exam grade, but they will be reported in the student's career.

For what is not provided for by this article, please refer to the Student Regulations

13. Exams

Assessment methods
The exams will be carried out in English. The exams entail the attribution of a mark in thirtieths and they can be oral exams and/or written exams, according to the Didactic Regulations of the University and the Student Regulations of the University of Milano-Bicocca. The written exams, however, cannot be made solely of multiple-choice questions.
Details on the assessment methods and the evaluation of every single teaching activity included in the educational program can be found in the respective syllabus. Syllabi are published on the Master's Degree program webpage, in the section "Courses".
For the internship and the "Further linguistic knowledge" activities, the evaluation is expressed through judgement.

Planning of educational activities and exam sessions
Educational activities are scheduled in two semesters: October-January and March-June.
They will take place in Milano-Bicocca, Milano and Pavia campuses according to the rules of alternation that will be published promptly on the Master's Degree Program's website.
The exam sessions – which are in the periods of classes suspension – are scheduled in three periods: Winter session, Summer session and Autumn session. They will take place at the University of Milano-Bicocca.

The class schedule, the exams calendar and the hours and the rooms where the exams will take place are published on the Student's Web Agenda: https://gestioneorari.didattica.unimib.it/PortaleStudentiUnimib/index.php?view=easytest&_lang=en.

In the Exam Session Board, it is possible to see exams by individual activity, Degree Program or Department.

Registrations for exams take place via SegreterieOnLine.

14. Submission of the study plan

When enrolling, the student is automatically assigned a study plan called statutory plan, which includes all compulsory educational activities.
Subsequently, the student will be required to submit a personal study plan, indicating his/her choices in terms of multiple-choice activities and free-choice activities.
The periods reserved for the submission of the study plan are specified in the following webpage: https://www.unimib.it/servizi/studenti-e-laureati/segreterie/piani-degli-studi/area-scienze.

The study plan is approved by the Teaching Coordination Council.
The student's right to take the exam of a teaching activity depends on the presence of the activity itself in the last approved study plan.
The study plan must respect the number of credits to be acquired, the constraints and the rules of propaedeuticity, where provided for, in accordance with the Didactic Regulations.
The student is allowed to create his/her personal study plan including additional educational activities, which are different to the ones required by the Didactic Regulations, as long as they are coherent with the Degree's Program Didactic System of the academic year of enrollment and they are approved by the Teaching Coordination Council as congruous with the educational objectives of the Master's Degree Program.

For further information, please see the Student Regulations.

15. Final degree examination

The Master's Degree in Artificial Intelligence for Science and Technology is earned by passing the final examination, consisting of the presentation and the discussion of a dissertation. The dissertation is a student's original composition written under the guidance of a supervising professor. It consists of a written report on a topic chosen within the framework of the academic course of the Master's Degree Program and object of the theoretical-experimental internship activity.
The dissertation typically describes the activities carried out by the student, the knowledge and the skills acquired by him/her in theoretical and/or experimental study, and the links with the current technological progress in the field of Artificial Intelligence. In particular, the student will present the scientific and technological results obtained highlighting innovation and relevance in the specific scientific/technological field of application. The internship activity can be carried out at Universities, organizations or companies, either in Italy or abroad.

16. Final degree examination: procedure

The final examination, which leads to the achievement of 21 CFUs, consists of the discussion of the thesis in front of a specific Committee. The thesis must be written and discussed in English. The graduation mark is expressed in 110ths.

The title achievement session calendar, the deadlines and the operating instructions are published on the Degree Program website: https://elearning.unimib.it/course/view.php?id=46348

17. Contacts

The administrative headquarters of the Master's Degree program is the University of Milano-Bicocca, Department of Physics "Giuseppe Occhialini", Piazza della Scienza 3, 20126 Milano.

For information regarding admission, transfers and administrative procedures, please write to:
segr.studenti.scienze@unimib.it

For information regarding the Master's Degree Program, please write to: AI4ST@unimib.it

For procedures and University deadlines related to enrolment/pre-enrolment, transfers, study plan submission, please consult the website www.unimib.it.

For information regarding the organization of teaching activities and the contacts, and for any other clarification, see the Program's website: https://elearning.unimib.it/course/index.php?categoryid=9164.