

**Call for applications for the Single-Cycle Master's Degree in  
Medicine and Surgery (Classe LM-41) in English  
Academic Year 2022/2023**

Art. 1 - Number of places available .....	3
Art. 2 - Entry requirements .....	3
Art. 3 - Admission Test registration .....	3
Art. 4 - Candidates holding a foreign degree.....	5
Art. 5 - Differently abled candidates or Candidates with Specific Learning Disorders (SLD) .....	5
Art. 6 - Examination Commission .....	7
Art. 7 - Date and place of the test .....	7
Art. 8 - Test specification.....	7
Art. 9 - Test administration procedures .....	8
Art. 10 - Scoring and minimum passing score.....	10
Art. 11 - Preparation of the ranking list .....	11
Art. 12 - Access to results, publication of national rankings, enrolment deadlines and candidates' obligations.....	11
Art. 13 - Enrolment procedures .....	13
Art. 14 - Contacts .....	13
Art. 15 - Privacy notice .....	14
Art. 16 - Transparency .....	14
Art. 17 - Person in charge of the administrative procedure .....	14
Art. 18 - Deadlines .....	14
Art. 19 - Final provisions .....	14
Annex 1 .....	16
Annex A .....	17

## THE RECTOR

<b>Having regard to</b>	Law No. 241 dated 7nd August 1990;
<b>Having regard to</b>	Law No. 341 dated 19th November 1990, "Reform of University didactic organization";
<b>Having regard to</b>	Law No. 104 dated 5th February 1992, as amended by Law No. 17 dated 28th January 1999;
<b>Having regard to</b>	Law No. 264 dated 2nd August 1999 "Provisions regarding access to University courses" and in particular, article 1, paragraph 1, sub-section a) and article 4;
<b>Having regard to</b>	Law No. 189 dated 30th July 2002 "Amendment to legislation regarding immigration and asylum" and, in particular, article 26;
<b>Having regard to</b>	memorandum protocol No. 1256 dated 22nd May 2003 in which the Ministry of Education, University and Research (M.I.U.R.) clarified which educational qualifications are to be considered valid to access University courses;
<b>Having regard to</b>	Legislative Decree No. 196 dated 30th June 2003 "Personal Data Code" and EU Regulation 2016/679 (General Regulation on Data Protection);
<b>Having regard to</b>	Ministerial Decree (D.M.) No. 270 dated 22nd October 2004 "Amendments to the Regulation containing provisions regarding the educational autonomy of Universities approved with decree No. 509 dated 3rd November 1999 of the Minister for Universities and scientific and technological research";
<b>Having regard to</b>	the Decree of the Minister for Universities and Research dated 16th March 2007 "Determination of University Masters' Degree codes";
<b>Having regard to</b>	Law No. 170 dated 8th October 2010, "Regulations relating to specific learning disorders at school", and in particular, article 5, paragraph 4;
<b>Having regard to</b>	Decree Law No. 104 dated 12th September 2013, converted with amendments by Law No. 128 dated 8th November 2013;
<b>Having regard to</b>	the University Didactic Regulations and the Student Regulations;
<b>Having regard to</b>	the Ministerial Provisions dated 8 March 2022, "Procedures for the entry and stay and matriculation of students applying for visas at higher education institutions in Italy for the Academic Year 2022/2023", regarding the matriculation of foreign citizens for University courses for the Academic Year 2022/2023;
<b>Having regard to</b>	the Decree of the Ministry of University and Research No. 1110 dated 1 July 2022 that establishes, the procedures and contents of the admission test for master's degrees in Medicine and Surgery in English for the Academic Year 2022/2023;
<b>Having regard to</b>	the Decree of the Ministry of University and Research No. 1110 dated 1 July 2022 that establish, the provisional number of available places for the Academic Year 2022/2023;
<b>Given that</b>	the proponent executive certifies the regularity and legitimacy of these provisions.

## DECREES

The Academic Year 2022/2023 competitive admission test for the single-cycle master's degree in Medicine and Surgery in English (Classe LM-41) is hereby announced at a national level.

## Art. 1 - Number of places available

The **places available** at the University of Milano – Bicocca are as follows:

Pending the issuance of the Ministerial Decree with the final allocation of places among the Universities, the number of places reserved for EU citizens and non-EU citizens legally resident in Italy (Article 26 of Law 189/2002) and non-EU citizens residing abroad are provisional (\*):

### Medicine and Surgery in English (*Classe LM-41 delle Lauree Magistrali in Medicina e Chirurgia*)

<b>Places available for admissions to the 1st year:</b>	<b>26*</b> reserved for EU and non-EU citizens legally resident in Italy (art 26 L.189/2002) <b>16*</b> reserved for non-EU citizens resident abroad (visa applicants)
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For A.Y. 2022/2023, the Ministerial Decree n. 1110 date 1 June 2022 provides for a single national ranking list for EU and non-EU candidates residing in Italy, referred to in art. 26 of L.189/2002. The ranking list of non-EU candidates residing abroad is defined by the Universities.

The following are treated as equivalent to EU citizens: the citizens of Norway, Iceland, Liechtenstein and Switzerland and the Republic of San Marino, refugees and beneficiaries of subsidiary protection, personnel of the foreign diplomatic Representations and in the international bodies established in Italy - accredited by the Italian State or the Holy See and their dependent relatives, limited to the spouse and children.

Places reserved for non-EU citizens residing abroad possibly not allocated may be made available to EU and non-EU citizens referred to in art. 26 of L.189/2002, in due time for the corresponding ranking list to be subsequently scrolled down and without prejudice, when possible, to any compensation between the universities as to the quota of non-EU students not residing in Italy.

## Art. 2 - Entry requirements

The competitive admission test is open to: Italian citizens and EU citizens wherever they reside, non-EU citizens referred to in art. 26 of L.189/2002 [1] and non-EU citizens residing abroad holding a Diploma from a secondary school with a duration of at least four years or other suitable qualification obtained abroad (see Circolare Ministeriale from 8 March 2022, which can be consulted on the following website: <http://www.studiare-in-italia.it/studentistranieri>).

## Art. 3 - Admission test registration

To take part in the competitive admission test, candidates must register for the test on the University portal and pay an entry fee, following the instructions detailed below. This procedure is a mandatory requirement for the purposes of sitting the test, under penalty of being excluded from it.

Registration **opens on 4 June 2022 and closes on 22 July 2022 at 15.00 (GMT+2), without exceptions**, and must be completed exclusively through the on-line procedure available on the [www.universitaly.it](http://www.universitaly.it) portal.

Candidates must enter the following information during registration:

- the Universities for which the candidate wishes to apply, in order of preference. Such preferences are irrevocable and cannot be changed after 15.00 (GMT+2) on 22 July 2022. In any event, the last “confirmation” expressed by a candidate

[1] Non-Italian citizens holding a “carta di soggiorno” or a residence permit for salaried employment or as a self-employed worker, for family-related reasons, for political asylum, for humanitarian asylum or for religious reasons, or non-Italian citizens lawfully residing in Italy for at least one year and holding a higher education diploma obtained in Italy, as well as non-Italian citizens wherever they reside holding a final diploma awarded by Italian schools abroad or awarded by foreign or international schools operating in Italy or abroad subject to bilateral agreements or special regulations for the recognition of educational qualifications and meet the entry requirements.

by this deadline shall prevail. The **first valid preference** means the most preferred option, in a candidate's list of preferences, among the Universities and degree courses for which the candidate will be eligible to enrol based on the total score achieved in the test and the number of places available.

If a candidate opts to sit the test in Italy, the University indicated as their first choice in the order of preferences will automatically constitute the centre where the test is to be taken. No exceptions are allowed regarding the centre where the test is to be taken.

To promote the participation of students living abroad, candidates have the possibility to sit the test at one of the foreign centres indicated below. The foreign centre must be selected during the registration phase:

COUNTRY	CITY	CENTRE NAME	START TIME (LOCAL TIME)
Azerbaijan	Baku	British Council	14:00
Brazil	Sao Paolo	Winner Idiomas	09:00
Canada	Toronto	Centre of English Studies - Toronto	09:00
China	Beijing	British Council Beijing	18:00
Cyprus	Nicosia	British Council Cyprus	13:00
France	Paris	The British School of Paris	12:00
Germany	Frankfurt	Provadis	12:00
Germany	Munich	Münchner Volkshochschule	13:00
Greece	Athens	British Council Athens	13:00
Hong Kong	Hong Kong	ITS Education Asia	18:00
India	New Dehli	BC Education India Private Limited	15:30
Italy	Bari	Università degli Studi di Bari	12:00
Italy	Milan	Università degli Studi di Milano	12:00
Italy	Milan	Università degli Studi Milano - Bicocca	12:00
Italy	Rome	Università degli Studi di Roma "La Sapienza"	12:00
Italy	Rome	Università degli Studi di Roma "Tor Vergata"	12:00
Italy	Naples	Università degli Studi della Campania "Luigi Vanvitelli"	12:00
Italy	Naples	Università di Napoli Federico II	12:00
Italy	Bologna	Università di Bologna	12:00
Italy	Turin	Università degli Studi di Torino	12:00
Italy	Pavia	Università degli Studi di Pavia	12:00
Italy	Parma	Università degli Studi di PARMA	12:00
Italy	Siena	Università degli Studi di Siena	12:00
Italy	Messina	Università degli Studi di Messina	12:00
Italy	Padova	Università degli Studi di Padova	12:00
Italy*	Ancona	Università Politecnica delle Marche	12:00
Pakistan	Lahore	British Council Lahore	15:00
Poland	Warsaw	Lang LTC	12:00

COUNTRY	CITY	CENTRE NAME	START TIME (LOCAL TIME)
Saudi Arabia	Jeddah	British Council Jeddah	13:00
South Africa	Johannesburg	British Council Johannesburg	12:00
Spain	Madrid	British Council Madrid	12:00
Switzerland	Zurich	Zurich Flying Teachers	12:00
Turkey	Ankara	British Council Ankara	13:00
Turkey	Istanbul	British Side	13:00
UAE	Dubai	British Council, Dubai	14:00
UK	London	Mobile Testing Solutions	11:00
USA	New York	OHC New York	09:00

\* course accreditation in progress

- b) whether they hold one of the English language certificates listed in Annex 1, which constitutes an integral part of this Call.

Admissions are decided in relation to the candidates' position in the ranking lists. Rankings are drawn up based on the places defined for each degree course and the options expressed by candidates.

The entry fee for the test must be paid following the instructions that will be published on the University portal upon the opening of registration. **A payment that is not accompanied by an online registration receipt precludes the right to sit the test.**

#### WARNING

**Candidates who fail to complete the online registration and the payment of the entry fee for the test on the ministerial portal <http://www.universitaly.it> by 22 July 2022 at 15.00 (GMT+2) will NOT BE ADMITTED to the test.**

#### Art. 4 - Candidates holding a foreign degree

Candidates from EU and non-EU countries as per art. 39, paragraph 5, of D.Lgs. no. 286, 25 July 1998 and candidates from non-EU countries residing abroad holding a foreign degree, must follow the procedure indicated in art. 3 to register for the test;

**Candidates from non-EU countries applying for a study visa**, as per the ministerial provisions in force for the A.Y. 2022/2023 published on <https://www.studiare-initalia.it/studentistranieri/>, before proceeding with the registration referred to in art. 3, **must pre-enrol** on the University portal <https://www.universitaly.it/>, in the section "International Students 2022".

#### Art. 5 - Differently abled candidates or Candidates with Specific Learning Disorders (SLD)

Candidates with disabilities or Specific Learning Disorders (SLD) may be entitled to specific adjustments to take the test, as provided for in the applicable legislation.

Candidates may apply for access arrangements by writing an e-mail with the subject "**TEST MEDICINE AND SURGERY - RICHIESTA SUPPORTI**" to [supporti.ammissioni@unimib.it](mailto:supporti.ammissioni@unimib.it) strictly **by 22 July 2022**. The e-mail should specify the arrangements requested and enclose in PDF format the documentation attesting the disability or the specific learning disorder, to enable the University to evaluate the application and to ensure an adequate organisation of the services.

The disability certificate shall be:

- issued by INPS, pursuant to Law No. 118/71 (*invalidità civile*)
- issued by the public healthcare facility with jurisdiction for the territory pursuant to Law No. 104/92, as subsequently amended (*certificato di handicap*).

The SLD diagnosis shall:

- comply with the criteria defined by the ISS Consensus Conference (2011);
- indicate the nosographic codes, the explicit wording of the person's SLD, and the information necessary to understand the individual characteristics, with details of the areas of strength and weakness;
- be issued by a National Health Service (Servizio Sanitario Nazionale) facility or by authorities or professionals accredited by the Regions and be either not older than three years or issued after the candidate's 18th birthday. (art. 3 of Law No. 170/2010, and subsequent Accordo Stato-Regioni dated 24/07/2012).

Due to the COVID-19 outbreak and the subsequent reduction of access to healthcare services, applications will be accepted even if the enclosed certificates are less recent. In this case candidates will be required to submit an updated certificate before enrolling, to allow for an Individualized University Project (P.Uo.I) to be formulated.

Access arrangements can include:

- extra time (*30% more for candidates with SLD; up to 50% more for candidates with disabilities*);
- being accompanied to and from the assigned test room by a staff member of the University Service for students with Disabilities and SLD;
- in case of particularly significant certified diagnosis, a non-scientific calculator, a video magnifier or a reader selected by the University with the support of special experts or the University Service for students with disabilities and with SLD;
- other possible adjustments (*to be specified in the application*).

**N.B.** Dictionaries and/or vocabularies, forms, periodic table of elements, concept maps, personal computers, tablets, smartphones, and other similar tools **will not be allowed in any case**.

Eu and non-EU candidates residing abroad with disabilities or SLD requiring access arrangements must submit a legalised certificate issued in the country of residence attesting to the disability or the SLD, accompanied by a sworn or certified translation in Italian or English. The university bodies in charge of examining the certificates will ascertain whether the disability condition or specific learning disability certified in the documentation submitted is recognized by the Italian legislation.

**Candidates who fail to submit the required documentation by the deadline set above will not be granted any access arrangements.**

**Candidates who fail to apply for access arrangements as described above will not be entitled to any personalized adjustments or extra time on the day of the test.**

By 7 September 2022, applicants will receive an e-mail from the University Service for students with disabilities and with SLD, on the e-mail address indicated, to confirm the arrangements that have been agreed and any related logistic-organisational information.

If the arrangements made include personal assistance by a staff member of the University Service for students with disabilities and with SLD the candidate will also receive details about where to meet the designated staff member.

A candidate who no longer requires to be accompanied and/or assisted by a staff member must inform the University Service for students with disabilities and with SLD by sending an email to the following e-mail address [supporti.ammissioni@unimib.it](mailto:supporti.ammissioni@unimib.it)

#### Art. 6 - Examination Commission

The Examination Commission is appointed by Rector's Decree based on a proposal by the Board of the School of Medicine and Surgery. During the test, the Commission will be assisted by invigilators to supervise and identify the candidates.

#### Art. 7 - Date and place of the test

The admission test will take place on **13 September 2022**

On **30 August 2022** the following information will be published on the page of the degree course of the University website <https://www.unimib.it/didattica/corsi-studio>:

- The entry list of candidates assigned to sit the test at the University of Milano-Bicocca;
- Details of the place and time of the test
- Instructions about accessing the venue (partly with regard to updates linked to the COVID-19 emergency) and the distribution of candidates in the designated test rooms. Candidates will be distributed in the designated test rooms according to age, except for twins.

Any communication will be published on the University website. This will be considered an official notification and will therefore replace any personal correspondence with candidates.

Candidates are **summoned at 08:00 am** and **must bring the following documents** to be admitted to the test:

- a valid identity document (the same document indicated during the registration phase);
- the registration receipt, issued after completing of the online procedure on the University portal;
- Non-EU candidates must also bring a copy of their residency permit (permesso di soggiorno) or entry visa for Italy.

#### WARNING

**Candidates who arrive without one of these documents, with invalid documents or after the identification procedures have closed, will not be admitted to the test.**

The admission test will start at **12:00 midday**. Candidates will have **100 minutes** to complete the test.

#### Art. 8 - Test specification

The admission test has identical contents in all the test centres and is prepared by the Ministry of University and Research (MUR) in conjunction with Cambridge Assessment, as per Ministerial Decree n. 1110/2022 (available on the Ministry website <https://www.mur.gov.it>)

The test consists of 60 multiple choice questions, with five answer options. Candidates must select only one answer, discarding the incorrect, arbitrary, or less probable options, on the following topics:

- General knowledge (*10 questions*)
- Logical reasoning (*10 questions*)
- Biology (*15 questions*)
- Chemistry (*15 questions*)
- Physics and Mathematics (*10 questions*)

based on the programmes outlined in Annex A to Ministerial Decree n. 1110/2022, that is an integral part of this call for applications.

## Art. 9 - Test administration procedures

On the day of the test, before the test starts, the person responsible for each test room will randomly select four witnesses among the candidates present in the room and will verify with them the integrity of the boxes containing the envelopes intended for candidates; will then open the boxes and distribute the envelopes, as well as a sheet with *Candidates Instructions*, in relation to the number of participants. Subsequently, the person responsible for the test room will fill out a declaration to attest to the integrity of the boxes, the number of envelopes that have been distributed and the number of envelopes left unused. This declaration shall also be signed by the four witnesses.

Each envelope prepared by Cambridge Assessment contains:

- a) a candidate data sheet, with no identification code;
- b) a question paper booklet, bearing the same barcode as the envelope, and n.2 blank sheets for rough work;
- c) an answer sheet, bearing the same barcode as the envelope;
- d) a cover sheet that indicates:
  - the envelope barcode;
  - details of the University and the degree course

The replacement of even one of the documents indicated in points b) and c) that may be necessary during the test will entail the replacement of the entire envelope, as the documents bear the same identification barcode as their envelope. Marks or corrections made by the candidate on the *candidate data sheet* will not entail its replacement. The candidate data sheet shall only be replaced if the marks or signs on it make it objectively difficult to identify the candidate: in that case, the Commission will replace the candidate data sheet with a new one extracted from an unopened envelope and will record this operation in writing in the test report.

In any event, replacement of a candidate data sheet never entails replacement of the entire envelope.

Candidates:

- a) shall only use the black pen provided by the Commission;
- b) shall select the answer by putting an X on the corresponding box. Candidates can only change the answer once per question, by completely filling the box they no longer want, and by selecting another box: in any case an X shall be made in only one of the five boxes to enable a question to be scored;
- c) the answer form foresees a small circular figure corresponding to the progressive number of each question. If a candidate does not want a question scored, they must fill in the small circle to the left of the question. Once this circle has been filled in, it can no longer be changed. The answer is considered as not given if the candidate does not make any marks in the answer boxes, even if the circle has not been filled in;
- d) shall complete and sign the candidate data sheet, according to the instructions referred to in point e) below;
- e) when the test has completed the candidate shall go to the designated desk placed at an adequate distance from the Commission, where a pen is available. The candidate shall then select a pair of matching barcode stickers. The barcode stickers must be attached to the answer sheet and to the candidate data sheet respectively, under the candidate's exclusive responsibility. The candidate must make sure that the barcodes on the pair of stickers selected match and then sign a declaration at the bottom of the data sheet to confirm that the barcode stickers match and that the personal details are correct. The candidate shall then place the data sheet into the sealed box positioned on the designated desk and shall then go to the other designated desk and put the answer sheet inside the designated box, making sure that the side of the sheet which carries the answers is facing down.

Candidates will be **disqualified** in the following cases:

- 1) If they sit the test in a test room different than their assigned one, unless they have been officially authorized by the Examination Commission (this must be recorded in writing on the test report);



- 2) If they bring or use the following items in the test room: mobile telephones, palmtop devices, smartphones, smartwatches, tablet computers, earpieces/earphones, webcams or other similar objects, as well as calculators, manuals, school textbooks, handwritten notes and reference material;
- 3) If they sign the answer sheet (front or back), or if they or any member of the Examination Commission mark in any way the answer sheet (front or back);
- 4) If they interact with, and/or try to copy off, and/or try to exchange any test materials with other candidates, including the candidate data sheet and/or the answer sheet;
- 5) If they use pens, pencils, or any writing implements to change, add or correct any parts of the answer sheet when handing in their candidate data sheet and answer sheet in the respective designated boxes.

Disqualification is ordered by the Examination Commission. If disqualification occurs due to the cases listed in sub-sections 1), 2), 3), 4) and 5) no score will be determined.

The President of the Examination Commission or the person responsible for the test room shall retain the following, in the candidate's presence, when the answer sheet is handed in:

- 1) the questions paper booklet;
- 2) the candidate data sheet;
- 3) the cover sheet;

The materials described above are stored by the University for a period of 5 years both for the purposes of preparing the final ranking list and for any possible future requests to access the documents.

At the end of the test the President of the Examination Commission or the person with responsibility for the examination room shall:

- place all the answer sheets into one or more boxes which must then be sealed in the presence of the same witnesses called to verify the integrity of the boxes or, if they are not available, in the presence of four other candidates drawn at random.
- place all the candidate data sheets into one or more boxes which must then be sealed in the presence of the same witnesses called to verify the integrity of the boxes or, if they are not available, in the presence of four other candidates drawn at random.
- put a signature on the closing edges of the box(es);
- ask the four candidates to sign on the same edges.
- prepare other boxes for the returned envelopes, the envelopes which were replaced or those from which the candidate data sheets were taken, the unused envelopes, the declaration of integrity of the boxes, the number of envelopes assigned and the number of unused envelopes and a copy/copies of the testing room report(s),

## **WARNING**

Candidates must not interact with each other during the test and must not bring and use the following items in the test rooms: mobile telephones, palmtop devices, smartphones, smartwatches, tablet computers, earpieces/earphones, webcams, or other similar objects, as well as calculators, manuals, school textbooks, handwritten notes and reference material, blank sheets and whatever else may be communicated prior to the start of the test, under penalty of being disqualified from the test. A candidate in possession of the above-mentioned objects shall deposit them prior to the start of the test, according to the instructions that will be provided by the staff. The University does not guarantee the safe custody and does not accept liability for the possible theft or loss of the above-mentioned objects.

Invigilators will be present in the examination room during the test to ensure that the above-mentioned rules and regulations are complied with.

Candidates are not allowed to leave the test room until the end of the test. At the end of the test, the candidates must immediately interrupt all activities and return the pen to the Commission.

Candidates who break the above-mentioned rules, cheat, or use any unfair practice will be disqualified from the competitive examination.

The Commission and the invigilators shall ensure that candidates respect the rules and shall have the authority to adopt the necessary measures to enforce these provisions.

Legal provisions governing open competitive examinations shall apply for any matters not covered in this call.

Any additional information about test administration procedures, including instructions provided by MUR, will be notified by the Commission to the candidates on the day of the test.

#### Art. 10 - Scoring and minimum passing score

1. A candidate's total score is calculated out of a maximum of ninety (90) points as follows:

- a) **1.5** (+1.5) points for each right answer;
- b) **minus 0.4** (- 0.4) points for each wrong answer;
- c) **0** points for each omitted answer;

2. In two or more candidates achieve the same score the following shall prevail:

- a) the scores obtained, respectively, in the following sections of the test: logical reasoning and general knowledge, biology, chemistry, physics and mathematics (in descending order);

- b) possession, by the registration closing date, of a language certificate, as declared by the candidate during the test registration procedure.

The possession of a language certificate is self-certified by the candidates, as per Article 46 of Presidential Decree N.445/2000. The Administrations involved in this procedure reserve the right – at any stage – to verify the truthfulness of the declaration made by the candidate, according to relevant provisions on the matter. If requested, the candidate must provide all the necessary information so that appropriate checks can be made. If the documentation provided by the candidate includes false or misleading statements, the candidate's enrolment will be annulled, any benefits granted to them will be revoked and all the university fees and payments made the candidate will be withheld, without prejudice to any sanctions set out in the penal code and in special laws. The candidate may be the subject to claims in relation to the damages sustained by the other parties;

- c) If the same score is reported by one or more candidates holding a certificate of invalidity equal to or greater than 66% or a medical certificate pursuant to Law No. 104/1992 art. 3, paragraph 3, and one or more candidates not falling into such categories, the candidate(s) holding an invalidity certificate equal to or greater than 66% or disabled candidate(s) with certificates pursuant to Law no. 104 of 1992 art. 3, paragraph 3, shall prevail.

For this condition to apply, strictly within 15 (fifteen) days from the date in which the candidate has been "assigned" to the University, the candidate holding a certificate of invalidity equal to or greater than 66% or a medical certificate pursuant to Law No. 104/1992 art. 3, paragraph 3, even if not up-to-date due to the COVID-19 outbreak and the subsequent reduction of access to healthcare services must submit to their University to which they have been "assigned" the certificate of invalidity equal to or greater than 66% or a medical certificate pursuant to Law No. 104/1992 art. 3, paragraph 3.

Failing to comply with this requirement will entail the exclusion from national rankings.

Certificates submitted after the set deadline will not be accepted

- d) If a tie still stands, the youngest candidate shall prevail.

3. Within the framework of available places, EU and non-EU candidates referred to in art. 26 of Law No.189/2002 as well as non-EU candidates residing abroad are admitted to the single cycle master's degree in Medicine and Surgery based on their position in the rankings. Non-EU candidates residing abroad are admitted within their reserved quota.

EU and non-EU candidates, referred to in art. 26 of Law No.189/2002 that achieve a **minimum score of twenty (20) points** in the test are deemed eligible. Non-eligible candidates are NOT included in the rankings.

The minimum passing score does not apply to the places reserved for non-EU candidates residing abroad. Non-EU candidates residing abroad are required to score more than zero (0) points. Non-EU candidates residing abroad who do not answer any questions will not be included in the rankings.

#### Art. 11 - Preparation of the ranking list

Cambridge Assessment **draws up a single national ranking list** for the EU and non-EU candidates residing in Italy, referred to in art. 26 of Law No. 189/2002, based on the score obtained by each candidate, according to the criteria set out in art. 10.

The ranking list of non-EU candidates residing abroad is defined by each University.

A candidate's eligibility for admission only refers to current selection procedure and does not confer any right to enrol on the course in subsequent academic years.

#### Art. 12 - Access to results, publication of national rankings, enrolment deadlines and candidates' obligations.

On **27 September 2022** CINECA, on behalf of MUR, will publish only the scores obtained by candidates, relative to each barcode label, in the reserved area of the University portal, in full respect of personal data protection.

Within five (5) working days from the day following the publication of test results those in charge of the administrative procedure for the competition in the Universities will send to CINECA, through a reserved website created for them by the same Consortium as the only means of communication, the personal data of each student as resulting from the candidate data sheets and all the individual data sheets scans in pdf format.

On **07 October 2022** candidates will be able to see their answer sheet, their score, and their data sheet in the reserved area on the University portal.

On **14 October 2022 national rankings with the candidates' names** will be published in the reserved area on the University portal.

Upon the publication of rankings, and upon each subsequent ranking list update:

- a) candidates with **ASSEGNATO** ("assigned") status are eligible for enrolment on their first-choice degree course and University. Candidates in this condition must enrol on the degree course and University to which they have been **ASSEGNATO** ("assigned") by the established deadlines. Candidates who fail to enrol by the set deadline will lose their right to enrol, regardless of their motives;
- b) candidates who are not eligible for enrolment on their first-choice degree course and University will display a **PRENOTATO** ("booked") status on the next most preferred Universities for which they qualify according to their position in the ranking list. Such candidates may either enrol on the degree course and University for which they are **PRENOTATO** ("booked") by the established deadlines OR wait for places in the other universities which they indicated as better choices to become available upon subsequent ranking list updates, after higher-ranked candidates have finalized their enrolment. Candidates who opt to enrol on the degree course and University for which they are "booked" will be automatically cancelled from the ranking list and all their other preferences will be cancelled.

On **14 October 2022** the names of candidates which have been **ASSEGNATO** ("assigned") or **PRENOTATO** ("booked") for their first-choice degree course and University based on the rankings and on the number of places available, will be published in the area reserved to students. A list of these candidates will be forwarded to each University.

On **14 October 2022** the ranking list with candidates' names will be displayed in the reserved area, together with details, for each candidate, of the score achieved, the position in the ranking list and the University to which they have been either

“assigned” or, taking into account the ranking position of higher-ranked candidates and their preferences relating to the Universities, on which they are “prenotato” (booked) or “in attesa” (on hold).

Candidates with **ASSEGNATO** (“assigned”) status must enrol in the corresponding University, following the administrative procedures in place. **PRENOTATO** (“booked”) candidates may enrol in the corresponding Universities, following the administrative procedures in place.

All eligible candidates (with either **ASSEGNATO** or **PRENOTATO** status) who wish to enrol **must finalize their enrolment within 4 (four) days**, including the day of rankings publication/updated rankings publication and not including Saturdays, Sundays and holidays. For candidates with **ASSEGNATO** status, failure to enrol by the deadline stated above will result in their withdrawal from the enrolment process and exclusion from the ranking list. Candidates with **PRENOTATO** status who fail to complete their enrolment by the deadline stated above will not be removed from the ranking list.

Within 5 days **from 14 October 2022**, and in any case, no later than 12:00 on the fifth day after each ranking list update, including the day of publication and excluding Saturdays, Sundays and holidays, each University will send to CINECA, via its reserved website, the names of enrolled students.

Within 5 days **from 14 October 2022**, and in any case, no later than 12:00 on the fifth day after each ranking list update, including the day of publication and excluding Saturdays, Sundays and holidays **all candidates, except for enrolled and withdrawn candidates, are required to confirm in their reserved area on University that they are still interested in keeping their ranking position**. Candidates who fail to confirm their interest in keeping their ranking position are removed from the ranking list and lose their right to enrol regardless of their motives, as the confirmation procedure has a minimum duration and can be delegated by the candidate to trusted third parties.

Once the deadline has elapsed, an automatic notice of exclusion from the selection will appear in the candidate’s reserved area.

Against this notice candidates may file an appeal to the Regional Administrative Court of the Lazio Region (TAR del Lazio) within 60 days, or to the President of the Italian Republic within 120 days. Candidates who fail to appeal within said deadlines, or who appeal against reasons other than the loss of the right to enrol within this selection procedure, will not regain the right to enrol within this selection procedure.

On **21 October 2022**, after receiving from the Universities the list of enrolled students, CINECA will publish an updated ranking list, based on the scores and the preferences expressed by candidates, according to the procedures outlined above.

Rankings are subsequently updated, following the same procedures, until the allocation of places is officially brought to a close by the Ministry of University and Research.

Candidates who are eligible for admission according to their position in the rankings may be admitted to the second year of the course exclusively subject to the recognition of credits, and to the prerequisites, required by the degree program regulations, as well as subject to the availability of places in the relative cohort. Such procedures, as well as post-enrolment withdrawals, entail the sliding of ranking positions for the sole benefit of students who have not yet finalized their enrolment but who are well ranked, only if communicated before all the places available for the degree course have been allocated. Once all the places available are allocated any further transfer requests or subsequent withdrawals will not lead to new rankings.

Admissions to course years higher than first, following the due procedures for the recognition of credits and the necessary prerequisites by the University, may take place exclusively within the limit of the places which have become available in that specific cohort after any withdrawals or transfers to other degree courses or Universities by previously enrolled students.

Candidates who wish to be admitted to a course year higher than first are allowed to submit their application only after the relevant call for applications is issued. For this purpose, no preliminary admission test is required. This provision applies to all national limited access bachelor’s and single-cycle degree courses to which applicants have submitted their application for enrollment in years higher than first, according to the relative calls published by the universities.

If, at the conclusion of the procedure for the recognition of credits, a disabled candidate, holder of a certificate of invalidity equal to or greater than 66% or a medical certificate pursuant to Law No. 104/1992 art. 3, paragraph 3, and a candidate not falling into such categories are deemed equally eligible for admission to the same a course year higher than first, priority will be given to the disabled candidate holding a certificate of invalidity equal to or greater than 66% or a medical certificate pursuant to Law No. 104/1992 art. 3, paragraph 3.

The University periodically makes these availabilities of places known through the publication of specific call for applications.

The University will not accept applications submitted before the issuance of specific calls, in ways other than those provided for in the calls or outside the mandatory deadlines set by them. Students coming from other degree courses cannot be admitted to years higher than first as “repeaters” as well as those who have duly enrolled in the relative year of the course following the passing of the admission test arranged for the year. in which they participated and on the relative available places.

Students from EU or non-EU Universities may be admitted to the second year subject to the evaluation of their previous academic path, notably the specific characteristics of the degree course, the exams taken, the theoretical studies completed, and the practical experiences acquired in the original University and subject to availability of places.

### **Art. 13 - Enrolment procedures**

Enrolments on the master’s degree in Medicine and Surgery in English at the University of Milano - Bicocca are subject to the conditions indicated in art. 12 above. The enrolment procedures will be published **on 14 October 2022** on the page of the degree course on the University website.

Any communication will be published on the University website and will constitute a formal notification to all intents and purposes, replacing any personal communication.

### **WARNING**

**Failing to meet the deadlines set for enrolment will be deemed a withdrawal.**

**Enrolment is only deemed complete with the payment of the first instalment/down payment within the same deadlines set for enrolment.**

Any additional enquiry about the enrolment procedures shall be addressed to the Career Management Office (Student Secretariats) of the School of Medicine and Surgery ([segr.studenti.medicina@unimib.it](mailto:segr.studenti.medicina@unimib.it)).

### **Art. 14 - Contacts**

#### **Career Management Office (Student Secretariats) - Medicine and Surgery**

E-mail: [segr.studenti.medicina@unimib.it](mailto:segr.studenti.medicina@unimib.it)

Refer to the website [www.unimib.it](http://www.unimib.it) - “Services - Student Services” section for details

#### **Student Orientation Service - Front Office**

E-mail: [orientamento@unimib.it](mailto:orientamento@unimib.it)

Refer to the website [www.unimib.it](http://www.unimib.it) - “Orientation - S.O.S.” section for details.

#### **International students’ office (Welcome Desk)**

E-mail: [welcome.desk@unimib.it](mailto:welcome.desk@unimib.it)

Refer to the website [www.unimib.it](http://www.unimib.it) - “Internazionalizzazione” section for details.

#### **Disability and DSA (Disabled Students’ Allowance) service**

E-mail: [supporti.ammissioni@unimib.it](mailto:supporti.ammissioni@unimib.it)

Refer to the website [www.unimib.it](http://www.unimib.it) - section “Servizi” - “Disabilità e DSA: Spazio B.Inclusion”

**PLEASE NOTE:** The University Offices will be closed from 16 to 19 August 2022.

#### Art. 15 - Privacy notice

For the privacy notice pursuant to art. 13 of Legislative Decree N.196/2003 (Codice in materia di protezione dei dati personali) and subsequent amendments thereto, and to the EU Regulation 2016/679 (General Data Protection Regulation) please refer to Annex 4 to Ministerial Decree N. 1110/2022 (available on the following website: <https://www.mur.gov.it>) that is fully reported and transcribed here, and to University website (<https://www.unimib.it/ateneo/protezione-dei-dati-personali>).

#### Art. 16 - Transparency

This Call for Application is published on the University's official notice board and may be consulted on the University of Milano - Bicocca website: ([www.unimib.it](http://www.unimib.it)). The limitation period for any appeals runs from the date of publication.

#### Art. 17 - Person in charge of the administrative procedure

Mrs. Rosa Tricarico - School of Medicine and Surgery - Student's Services (Via Vizzola, 5 - 20126 Milan) is the person in charge of the administrative procedure referred to in this Call for application, pursuant to Law No. 241 dated 7.8.1990, as subsequently amended and supplemented.

#### Art. 18 - Deadlines

Registration for the test on the University website	from 4 July 2022 to 22 July 2022 at 15:00 (GMT+2)
Publication of the entry list, venue of the test and instructions about accessing the test venue	30 August 2022
Publication of the scores obtained by candidates	27 September 2022 on the <a href="https://www.university.it/">https://www.university.it/</a> website
Consultation of your own paper	7 October 2022 on the <a href="https://www.university.it/">https://www.university.it/</a> website / in the area reserved to students
Publication of National rankings	14 October 2022 on the <a href="https://www.university.it/">https://www.university.it/</a> website
Enrolment on the UNIMIB portal <a href="http://www.unimib.it/segreteriaonline">http://www.unimib.it/segreteriaonline</a>	from 14 October 2022 and within 4 days
Subsequent rankings update and other obligations	check the provisions in art. 12

#### Art. 19 - Final provisions

For all the matters not expressly covered in this Call for Application, reference is to be made to the legislative, regulatory, and ministerial provisions mentioned in the introduction.

The obligation to meet deadlines and to comply with the provisions referred to in this Call for Application is hereby reiterated.

This University reserves, at any time, the right to exclude test-takers who fail to comply with the provisions detailed therein or for failing to meet the deadlines indicated, or the prescribed requirements.

**This document translates the main elements of the A.Y.2022-2023 Call for applications for the Single-Cycle Master's Degree in Medicine and Surgery (taught in English) of the University of Milan- Bicocca. Please note that the official Call for applications is written in Italian and is published on the University website [www.unimib.it](http://www.unimib.it) . To the extent that any translated parts or elements in this document conflict with the Italian version, the Italian version shall prevail in case of legal controversies.**

THE RECTOR  
Professor Giovanna Iannantuoni

**ANNEX 1**
**List of recognized language certificates, pursuant to art. 3, paragraph 6, sub-section b) of Ministerial Decree No. 1110/2022**

Ente Certificatore	Level	Certificazione di lingua inglese per le 4 abilità
Cambridge English Language Assessment	C2	Cambridge English: Proficiency (CPE)
	C1	Cambridge English: Advanced (CAE) Cambridge English: Business Higher (BEC Higher)
	B2	Cambridge English: First (FCE) Cambridge English: Business Vantage (BEC Vantage)
City and Guilds (Pitman)	C2	Level 3 Certificate in International ESOL Diploma Mastery C2
	C1	Level 2 Certificate in International ESOL Diploma Expert C1
	B2	Level 1 Certificate in International ESOL Diploma Communicator B2
Edexcel / Pearson Ltd	C2	PTE General Level 5 Proficient
	C1	PTE General Level 4 Advanced
	B2	PTE General Level 3 Upper Intermediate
EDI (LCCIEB)	C1	JETSET Level 6 English for Business Level 4
	B2	JETSET Level 5 English for Business Level 3 English for Commerce Level 3
IELTS	C2	IELTS band 8.5 - 9.0
	C1	IELTS band 7.0 - 8.0
	B2	IELTS band 5.5 - 6.5
TCL Trinity College London	C2	Integrated Skills in English (ISE) IV
	C1	Integrated Skills in English (ISE) III
	B2	Integrated Skills in English (ISE) II
TOEFL ETS	C1	TOEFL score 110-120

Language certification is automatically recognized to students who attended or are attending a school taught in English for at least one academic year.



## **Annex A to Ministerial Decree No. 1110/2022.**

### **Admission test programmes**

Admission to the degree course requires the possession of general knowledge, with particular focus on the literary, historical-philosophical, social, and institutional fields, as well as the ability to analyse different written texts and an aptitude for logical-mathematical reasoning.

The knowledge and skills required refer to the knowledge promoted by the educational institutions, which organise teaching and educational activities consistent with the ministerial programmes and guidelines, especially in view of State Examinations and which also refer to the scientific disciplines of Biology, Chemistry, Physics and Mathematics.

#### ***General knowledge and logical reasoning***

This section of the test aims at assessing a candidate's ability to use the English language correctly in different contexts and for different purposes and to draw logical conclusions from given premises, in the form of symbolic representation and verbal representation, through multiple choice questions formulated also as short propositions, discarding the incorrect, arbitrary or less probable conclusions. Questions will focus on scientific or narrative essays by classical or contemporary authors, or on current texts published in daily newspapers or in general or specialized magazines; they will also focus on cases or problems, also of abstract nature, whose solution requires different forms of logical reasoning.

Questions related to general knowledge on topics addressed during the studies or present in contemporary public discourse, complete this section.

History questions may address, among other topics, the aspects characterizing the history of the twentieth century and the contemporary world (industrialization and post-industrial society; the conquest of fundamental rights; new subjects and movements; the Welfare state and its crisis; the globalization process and conflicts in the global world).

For the social and institutional sphere, according to national guidelines and in relation to the activities carried out for "Cittadinanza e Costituzione" questions may address, among other topics, the Italian Constitution, communication and mass media, the organization of the economy and political life; the different forms of state and government.

Questions relating to general knowledge in the supranational context, on issues addressed during studies or present in contemporary public discourse, complete this section.

#### ***Biology***

The Chemistry of living things.

The biological importance of weak interactions.

Organic molecules in organisms and the respective functions. The role of enzymes.

The cell as the basis of life.

Cell theory. Cell size. Prokaryotic and eukaryotic cells, animal and plant cells. Viruses.

The structure and function of the cell membrane and transport across the membrane. Cellular structures and their specific functions.

Cell cycle and cell division: mitosis and meiosis - chromosomes and chromosome maps.

Bioenergetics.

The energy currency of cells: adenosine triphosphate (ATP).

Redox reactions in living things.

Photosynthesis, glycolysis, aerobic respiration and fermentation.

Reproduction and Inheritance.

Life cycles. Sexual and asexual reproduction.

Mendelian Genetics: Mendel's laws and their applications.

Classical genetics: chromosomal theory of inheritance – inheritance patterns.

Molecular genetics: structure and duplication of DNA, the genetic code, protein synthesis. Prokaryotic DNA. Eukaryotic chromosome structure. Genes and the regulation of gene expression.

Human genetics: transmission of mono- and polyfactorial characters; multifactorial character transmission; hereditary diseases - autosomal and linked to chromosome X.

Biotechnology: recombinant DNA technology and its applications.

Inheritance and environment.

Mutations. Natural and artificial selection. Evolutionary theories. The genetic bases of evolution.

Anatomy and Physiology of animals and humans.

The animal tissues.

Anatomy and physiology of systems and apparatus in humans and their interactions.

Homeostasis.

### **Chemistry**

The composition of matter: states of matter; heterogeneous systems and homogeneous systems; compounds and elements. Ideal gas laws.

Atomic structure: elementary particles; atomic number and mass number, isotopes, electronic structure of atoms of different elements.

The periodic table of the elements: groups and periods; transition elements. Periodic properties of elements: atomic radius, ionisation potential, electron affinity, metallic character. The relationships between electronic structure, position in the periodic table and element properties.

The chemical bond: ionic, covalent and metallic bonds. Binding energy. Polarity of bonds. Electronegativity. Intermolecular bonds.

Fundamentals of inorganic chemistry: nomenclature and main properties of inorganic compounds: oxides, hydroxides, acids, salts.

Chemical reactions and stoichiometry: atomic and molecular mass, Avogadro's number, mole concept and its application, elementary stoichiometric calculations, balancing simple reactions, the different types of chemical reaction.

Solutions: solvent properties of water, solubility, the main ways of expressing the concentration of solutions.

Equilibria in aqueous solution.

Chemical kinetics and catalysis.

Oxidation and reduction: oxidation number, concept of oxidizing and reducing.

Balancing of simple reactions.

Acids and bases: the concept of acid and base. Acidity, neutrality and basicity of aqueous solutions. The pH scale. Hydrolysis. Buffer solutions.

Fundamentals of organic chemistry: bonds between carbon atoms, and crude formulas of structure, the concept of isomerism. Aliphatic, alicyclic and aromatic hydrocarbons. Functional groups: alcohols, ethers, amines, aldehydes, ketones, carboxylic acids, esters, amides. Chemical nomenclature.

### **Physics**

Measures: direct and indirect measures, fundamental and derived quantities, physical dimensions of quantities, knowledge of the decimal metric system and the CGS System of Units, Technical (or practical) (ST) and International System (SI) units of measurement (names and relationships between fundamental and derived units), multiples and sub-multiples (names and values).

Kinematics: kinematic quantities, various types of motion with particular regard to uniform and uniformly accelerating rectilinear motion; uniform circular motion; harmonic motion (for all motions: definition and relationships between quantities).

Dynamics: vectors and vectors operations. Forces, moments of forces about a point. Moment of a force couple. Vector composition of forces. Definitions of mass and weight. Acceleration due to gravity. Density and specific gravity. The law of universal gravitation, 1st, 2nd and 3rd laws of motion. Work, kinetic energy, potential energy. Principle of conservation of energy. Impulse and momentum. Principle of conservation of momentum.

Fluid mechanics: pressure and its units of measure (not only in the SI system). Archimedes' principle. Pascal's principle. Stevino's law.

Thermodynamics: thermometry and calorimetry. Thermal capacity and specific heat capacity. Modes of heat propagation. Changes of state and latent heat. Ideal Gas Laws. First and second laws of thermodynamics.

Electrostatic and electrodynamics: Coulomb's law. Electric field and potential. Dielectric constant. Capacitors. Capacitors in series and in parallel. Direct current. Ohm's law. Kirchhoff's principles. Electrical resistance and resistivity, electrical resistors in series and in parallel. Work, Power, Joule effect. Generators. Electromagnetic induction and alternating currents. Effects of electrical currents (thermal, chemical and magnetic).

### **Mathematics**

Algebra and numerical sets: natural numbers, integers, rational and real numbers. Sorting and comparison; scales and scientific notation. Operations and their properties. Proportions and percentages. Powers with integer and rational exponents, and their properties. Roots and their properties. Logarithms (base 10 and base  $e$ ) and their properties. Elements of combinatorics. Algebraic and polynomial expressions. Major products and  $n^{\text{th}}$  power of a binomial expansions, factorisation of polynomials. Algebraic fractions. Algebraic equations and inequalities of the first and second order. Systems of equations.

Functions: basic notions of functions and their graphical representations (domain, codomain, sign, continuity, maxima and minima, increasing and decreasing, etc.). Elementary functions: whole and fractional algebraic functions, exponential, logarithmic and trigonometric functions. Composite and inverse functions. Trigonometric equations and inequalities.

Geometry: polygons and their properties. Circle and circumference. Measurements of lengths, surfaces and volumes. Isometries, similarities and equivalences in the plane. Geometric loci. Measurement of angles in degrees and radians. Sine, cosine and tangent of an angle and their significant values. Trigonometric formulas. Solving triangles. Cartesian reference system in a plane. Distance between two points and the midpoint of a segment. Straight line equation. Conditions for parallel and perpendicular lines. Distance of a point to a line. Equation of the circle, the parabola, the hyperbola, the ellipse and their representation in the Cartesian plane. Pythagoras' theorem. Euclid's first and second theorems.

Probability and statistics: frequency distributions and their graphical representations. Concept of random experiments and events. Probability and frequency.