

CALL FOR ADMISSION

A.Y. 2024/2025

Single-Cycle Master's Degree Programs
PROGRAMMED ACCESS in MEDICINE AND SURGERY DT.

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ANNEX No. 1 - Programs concerning the questions of the admission tests for the Master's degree program in Medicine and Surgery (LM-41)18

Art. 1. NUMBER OF POSITIONS

The University of Calabria hereby announces the call for application for the first year of the single-cycle master's degree program, qualifying for the profession of MD, for the academic year 2024/2025 in Medicine and Surgery TD (Digital Technologies) in accordance with the provisions of Ministerial Decree No. 472 of February 23, 2024 "Definition of the modalities and contents of the admission tests for the single-cycle master's degree programs in medicine and surgery, Dentistry and Dental Prosthetics and Veterinary Medicine for the academic year 2024/2025".

The minimum Course duration is 6 years, at the end of which the single-cycle Master's Degree qualifying for the profession related to the selected Course is awarded.

The places available in the 1st year are shown in the table below:

Degree Program Class	Single-cycle master's degree program	Positions for citizens of the European Union (EU) and their equivalents	Positions for non-EU citizens residing abroad
LM-41	Medicine and Surgery DT	115	4

Art. 2. PARTICIPATION REQUIREMENTS

Applicants who are enrolled in the final year of Italian secondary schools or who hold a diploma issued in Italy by a secondary education institution are eligible to participate in the admission test.

EU applicants wherever they reside and non-EU applicants regularly residing in Italy, as referred to in Art. 39, paragraph 5, of the Legislative Decree No. 286 of July 25, 1998, as amended by Art. 26 of Law No. 189 of July 30, 2002, who possess a qualification obtained abroad (with at least 12 years of education) and also recognized as equivalent to the secondary school diploma obtained in Italy are also admitted.

Non-EU citizens residing abroad are admitted to participate in the test regardless of their passing the Italian language proficiency test, which is required for the purpose of course enrollment according to the provisions of the procedures for entry, stay, and enrollment of international students and the related recognition of qualifications, in force for higher education courses in Italy and available at: <http://www.studiarein-italia.it/studentistranieri>.

Art. 3. PARTICIPATION MODES

Direzione Didattica e Servizi agli studenti
Area Servizi Didattici
Università della Calabria
Via P. Bucci, 87036 Rende (CS)

The process involves **four different steps**:

- STEP 1: Application on University ([art. 4](#));
- STEP 2: Completion of the application and taking the test ([art. 5](#));
- STEP 3: Submission of application for inclusion in the national or local ranking lists ([art. 6](#) and [art 8](#)); and
- STEP 4: Publication of selection results and application for enrollment ([art. 7](#) and [art 8](#))

Art. 4. APPLICATION ON UNIVERSITY (STEP 1)

Each applicant must first apply for the admission test exclusively online through the University portal (www.universitaly.it).

Online registration is active from **April 3, 2024 to April 17, 2024, 3 p.m. (GMT+2)**.

The finalization of the registration takes place following the payment of the test fee according to the procedures indicated in Article 5 below.

At the time of registration, applicants must select the location where they are willing to take the tests from a list¹.

Applicants from EU and non-EU countries residing abroad will take the admission test at the location where they intend to apply for inclusion in the local ranking list ([art. 8](#))

All test-related communications will be sent to the e-mail address provided by applicants when registering for the test. It is the applicant's responsibility to check and promptly update any changes in their e-mail address.

Art. 5. FINALIZING REGISTRATION AND TAKING THE TEST (STEP 2)

Applicants can participate in both admission test dates according to the schedule in Article 2 of MD No. 472 of 02/23/2024.

For the purpose of ranking, applicants can refer to the best of the results obtained in the admission tests scheduled for each session.

5.1 Completion of test registration

In order to take the test, applicants will also need to register and fill out the application on

unical.esse3.cineca.it

¹ The list will include the venues available within the province of residence/domicile indicated by applicants at the time of registration, failing that, those available within the neighboring province with respect to the applicant's province of residence/domicile, and/or failing that as well, the venue predetermined in agreement among the universities shall be assigned to candidates.

In any case, applicants are required to take the test at the location indicated by CINECA at the time of registration, as provided in Annex 1, item 8(a) to MD No. 472 of 23/02/2024.

according to the schedule and manner described below. There is no other form of payment other than what is indicated below. **The test registration fee is not refundable or usable for subsequent tests.**

5.1.1 Completion of test registration for May 28 test.

Completion of test registration must take place:

from **April 3 2024** and no later than the compulsory deadline of **April 22, 2024**

Applicants should submit their application according to the following directions:

1. Register on unical.esse3.cineca.it (only if they are not already registered)
2. Select Menu -> Secretariat -> Call for Admission -> Competition Registration -> Single-cycle Master's Degree 6 years -> Registration for the May 28 test for MEDICINE AND SURGERY DT 2024/2025
3. Fill out the application for the competition
4. Pay, through the *PagoPA* system, the fee of € 60 no later than **22/04/2024** under penalty of exclusion. **The fee is in no case refundable or usable for subsequent tests.**

5.1.2 Completion of test registration for July 30 test.

Completion of test registration must take place:

from **July 4 2024** and no later than the compulsory deadline of **July 23, 2024**

Applicants should submit their application according to the following directions:

1. Register on unical.esse3.cineca.it (only if they are not already registered)
2. Select Menu -> Secretariat -> Call for Admission -> Competition Registration -> Single-cycle Master's Degree 6 years -> Registration for the July 30 test for MEDICINE AND SURGERY DT 2024/2025
3. Fill out the application for the competition
4. Pay, through the *PagoPA* system, the fee of € 60 no later than **23/07/2024** under penalty of exclusion. **The fee is in no case refundable or usable for subsequent tests.**

5.2 Taking the test

Candidates must show up at the test venue on the scheduled day and time and they should bring the following with them:

- (a) paper printout of the receipt of registration and payment;
- (b) a valid identification document;
- (c) social security number, if they own one.

The Committee in charge of conducting the test is appointed through a Dean's Decree. During the test, the committee will be assisted by teaching and administrative staff appointed to supervise and identify candidates.



The Committee Chair and Room Managers shall properly organize the activity of calling and identifying candidates, as well as checking and keeping candidates' personal belongings that cannot be brought into the room.

NOTICE: Participation in the test is allowed only to applicants in good standing with the online registration on the portal www.universitaly.it (see art. 4) and the payment of the € 60 fee. Therefore, applicants failing to demonstrate their payment through the online registration receipt will not be entitled to participate in the test.

The fee is in no case refundable or usable for subsequent tests.

The university's appointed staff will check applicants' receipt of registration and payment as well as their ID, to verify that applicants have actually been assigned to a room. In no case, candidates are allowed to change room.

If more than one room is necessary due to the number of candidates, the latter will be assigned to rooms by age of birth, exception will be made for twins.

Only a black pen provided by the university should be used to fill out the answer form.

The admission test begins at 1:00 PM and a time of 100 minutes is allowed to candidates for its completion.

Before the start of the test, the Committee Chair or the Room Manager will randomly select four candidates from those in the room to check the integrity of the boxes containing the test envelopes with them; then they will arrange for the boxes to be opened and the envelopes to be distributed in relation to the number of participants; each candidate shall be handed an instruction sheet for filling out the answer form. The "Answer Form Instruction Sheets" shall be made available to candidates prior to the start of the test. The Committee Chair or the Room Manager shall then draw up a statement confirming the integrity of the boxes, the number of envelopes allotted, and the number of unused envelopes, if any. Such statement shall also be signed by the four randomly selected candidates. On each examination day, the Committee Chair or Room Manager also draft the room minutes, that will be prepared according to the format provided by the Ministry of University and Research.

Each envelope contains:

- A. a form for personal data that participants must compulsorily fill out, devoid of any identification code;
- B. the questions for the admission test bearing the same identification code of the envelope as well as no. 2 sheets of paper for draft copies;
- C. an answer form bearing the same identification code as the envelope;
- D. a sheet on which the envelope identification code, as well as the university and degree course to which the test refers are affixed.

Should the replacement of even one of the documents indicated in (B) and (C) be necessary during the test, it will entail the replacement of the entire envelope, as these documents are marked with the same identification code indicated on the envelope.



Once the verification steps and the reading of the instructions are finished, the test starts for all participants in the class.

Should one or more candidates report non-conformity of the envelope they have received, the Committee Chair or the Class Manager will check the condition of the envelope and, if necessary, replace it. Said operation must be reported in the minutes, along with the reasons for the envelope replacement.

Any corrections or marks made by the candidate on the personal data sheet shall not result in its replacement. Replacement of the personal data sheet shall be carried out only where the marks or corrections made by the candidate will result in an objective difficulty in identifying the candidate: in such a case the Committee will replace the personal data sheet by taking it from one of the reserve envelopes, and the procedure will be reported in the minutes. The substitution of the personal data sheet shall in no case entail the substitution of the entire envelope.

Only a black pen given by the university should be used to fill out the answer form.

Candidates are prohibited interact with each other during the test, and bring and/or use cell phones, PDAs, smartphones, smartwatches, tablets, earphones, webcams or other similar devices in the rooms, as well as bring in and/or use pens, pencils, stationery (or any other writing aids) and/or bring in and/or use manuals, school texts, as well as partial reproductions of such books, handwritten notes, blank sheets and any reference materials. Failure to comply with these regulations shall result in test cancellation.

Candidates must mandatorily fill out the personal data sheet and sign it.

Candidates tick their selected answer by placing an X mark in the corresponding box (by drawing diagonals in the answer box). They are also given the opportunity to correct once, and only once, the answer that they have already been given to a question, provided that the box previously marked with an X sign is completely blacked out by choosing another one: in any case, a mark with an X sign must be made in only one of the five boxes in order for the appropriate mark to be awarded.

The answer form includes, next to the progressive number of each question, a small round-shaped figure that candidates must cross out, in order to clearly indicate their wish not to provide any answer. Once it has been marked, this indication is no longer changeable. If candidates do not put any marks in the answer boxes, even if they do not cross out the round-shaped figure, the answer will still be considered as a not given answer.

Upon completion of each test, each candidate will be invited to reach a dedicated, pen-equipped desk located at an appropriate distance from the Committee, in which they will find:

- A. a delivery box, which displays the facsimile of the personal data sheet on one of its sides;
- B. a set of stickers on which barcodes are printed.

Each candidate must choose a pair of identical stickers provided and affix one of the two stickers on the personal data sheet and the other on the answer form. The affixing of the stickers is solely a candidate's

responsibility; candidates must check that the alphanumeric codes on the stickers of the chosen pair correspond. They must then sign, at the bottom of the personal data sheet, a declaration that their personal data is true and that the codes on the stickers applied to the personal data sheet and the answer form match.

Upon completion of these procedures, candidates must insert the data sheet into the closed box on the desk and then go to another dedicated desk where they will insert the answer form in a special closed box prepared for this purpose; they should take care to insert their answer form, face down inside the box.

At the end of the test, the Committee Chair or the Room Manager shall:

- A. close the special boxes provided by CINECA containing the answer forms, after they have been counted; this procedure will be carried out before the candidates who have been called to confirm the integrity of the boxes or, if they are unable to do so, in the presence of four other candidates selected randomly;
- B. close the special boxes provided by CINECA or the boxes prepared by the universities containing the personal data sheets in the presence of the same candidates who had been called to verify the integrity of the boxes or alternatively calling four other candidates selected randomly;
- C. affix a signature on the tags used to close the boxes;
- D. call the four candidates asked to confirm the integrity of the boxes or, if the latter are unable to do so, the other four candidates who were chosen randomly, to affix their signatures on the same tag previously signed by the Chair of the Committee;
- E. pack other boxes containing the returned envelopes that have been replaced, the envelopes from which the personal data sheet have been taken, as well as the unused envelopes, the statement referred to in Section 5 above, and the copy of the minute(s); such materials must be enclosed and sealed.

When candidates submit their answer sheets, the Committee Chair or Room Manager, must show each candidate, that they are keeping the materials indicated below; the university will retain such documents, both for the purpose of the final merit ranking lists and for any future requests submitted by candidates to access the university records:

1. the printed answer sheets;
2. the personal data sheet;
3. the envelope control sheet.

The test will be cancelled in the following circumstances

1. if candidates take the test in an examination room other than the one where they have been assigned, unless such change has been duly authorized by the examination Committee and so noted in the minutes;
2. if candidates bring or make use cell phones, PDAs, smartphones, smartwatches, tablets, earphones, webcams or other such equipment, textbooks, school texts and/or even partial reproductions of them, handwritten notes and reference materials;

3. if a candidate or a member of the committee affix their signature on the answer sheet (both on its front or back) or if any markings is affixed on the same;
4. if candidates collaborate and/or they attempt to copy and/or to exchange any materials, including the exchange of personal data and/or of their answer sheets;
5. if candidates, while inserting their personal data sheet and the answer sheet inside the boxes set on the ad-hoc prepared desk, make use of pens, pencils or any other suitable writing instrument for the purpose of making changes, amendments and/or corrections on the answer sheet.

The cancellation of the test is ordered by the committee. In the circumstances referred to in (1), (2), (3), (4) and (5), CINECA shall not determine the score of the cancelled test.

5.2.1 Personalized test request for candidates with disabilities, impairment, or a diagnosis of Special Learning Disorders (SLD)

The tests are organized by the universities taking into account the individual needs of candidates with disabilities and impairments under Article 16 of Law No. 104/1992 as well as candidates diagnosed with specific learning disorders (SLD) under Law No. 170/2010.

Applicants with disabilities certified under Law No. 104 of 1992 or diagnosed with specific learning disorders (SLD) under Law No. 170 of 2010, upon submission of a special request when registering for the test, will be allowed to make use of special tools or compensatory measures during the test, they can also be granted additional time for the completion of the test.

The aforementioned applicants can be admitted to take the test by submitting the medical certification they possess when registering for the test, even if such documents are not up-to-date due to limitation of NHS activity as a result of the COVID-19 pandemic; the universities can subsequently require applicants to supplement the documentation provided.

For organizational purposes, applicants who submit a certificate of disability or impairment under Law No. 104 of 1992, must declare their condition when filling out the application for admission on unical.esse3.cineca.it and attach a valid certificate issued by the relevant medical territorial commission proving the type and degree of disability and/or impairment assessed. Candidates shall be entitled to additional time not exceeding 50% more than the scheduled time.

Applicants with SLD as referred to in Law No. 170 of 2010 must declare their condition of SLD when filling out the application for admission on unical.esse3.cineca.it and attach the relevant certification. In compliance with the "Guidelines on Specific Learning Disorders" attached to Ministerial Decree No. 5669 of July 12, 2011, applicants with SLDs are granted additional time equal to a maximum of 30 percent more than that stipulated for the admission test. In the hypothesis of a particularly serious certified SLD, the university may allow candidates, in order to ensure equal opportunity in the performance of the tests, to use the following compensatory tools: non-scientific calculator; video magnifier or support of a reader chosen by the university with the support of appropriate experts or the university's Service for Students with Disabilities and SLD. The diagnosis of SLD must have been issued to the applicant no more than 3 years prior to the test; this certificate

should be issued earlier than the applicant's 18th birthday, or subsequent to the applicant's 18th birthday, by local public health facilities or by bodies and professionals accredited with the regional health service.

To take the admission test, candidates having impairments and/or SLDs should specify the support measures they need in the appropriate section of the application, and attach a certification.

In any case, the use of the following tools is not permitted: dictionary and/or vocabulary; forms; periodic table of elements; concept maps; personal computers, tablets, smartphones and other similar devices.

Applicants with disabilities, impairments or SLDs who are resident in foreign countries, and wish to take advantage of the measures referred to in the previous paragraphs must submit a legalized copy of the medical certification – if this is required by the current international regulations. Such certificate must have been issued in their country of residence and attest their condition of disability, impairment or SLD, along with a translation into Italian or English, it should also be sworn by an official translator or certified as compliant with the original text by the relevant Italian diplomatic representations. The university bodies appointed to examine the certifications referred to in the preceding paragraphs shall establish that the foreign documents certify a condition of disability, impairment or specific learning disorder acknowledged by the Italian regulations.

5.3 Test sections

For each of the two dates scheduled, the test is the same and has identical questions (apart from a randomized location of questions and answers) at all venues where the exam is held, as per the schedules in Annex A to Ministerial Decree No. 472 and referred to in Annex 1 to this Call for Admission.

The test consists in providing an answer to sixty (60) questions that display five (5) answer options; candidates must identify the correct answer and discard erroneous, arbitrary or less likely conclusions, on topics such as: reading skills and knowledge acquired through their high school studies; logical reasoning and logical problems; biology; chemistry; physics and mathematics.

Section	Number of questions
Reading skills and knowledge acquired through studies	4 questions
Logical reasoning and logical problems	5 questions
Biology	23 questions
Chemistry	15 questions
Physics and mathematics	13 questions
TOTAL	60 questions

The admission test questions, along with the correct answers, will be extracted from special database. The database, which in total consists of at least 7,000 questions, will be published on the website: <https://accessoprogrammato.mur.gov.it/2024/>, according to the following schedule:

- half (at least 3,500 questions) at least 20 days before the test scheduled in May 2024;
- the other half (at least 3,500 questions) at least twenty days before the test date scheduled in July 2024.

5.4 Scoring and test evaluation

A maximum of ninety (90) scores shall be awarded for the evaluation of the tests, taking into account the following criteria:

- 1.5 points for each correct answer;
- minus 0.4 (- 0.4) points for each incorrect answer;
- 0 points for each omitted answer

Applicants from EU countries and non-EU countries referred to in Article 39, Paragraph 5, Legislative Decree No. 286 of July 25, 1998 are eligible for admission if they have obtained a minimum score of twenty (20) points; ineligible applicants will not be ranked.

In accordance with the guidelines of the European Union on the access of international students to university education and in keeping with the requirements of cultural foreign policy set forth in Article 46 of Presidential Decree No. 394/1999, with reference to the reservation of positions for candidates from non-EU countries residing abroad, the minimum eligibility threshold set forth in the preceding paragraph shall not apply. Candidates from non-EU countries residing abroad are eligible if they scored above zero (0). Candidates from non-EU countries residing abroad who do not provide any answer to any question will not be ranked.

5.5 Scores publication

On the days indicated below, on behalf of the Ministry of University and Research, CINECA will exclusively publish candidates scores on the www.university.it in the specific section reserved for candidates; the display of the scores will be based on the label code attributed to each candidate, in compliance with the rules for the protection of personal data.

For tests held in the May 2024 session: June 6, 2024

For tests held in the July 2024 session: August 8, 2024

Candidates will be allowed to see their test results, scores and personal data records on their reserved page of the University portal on June 19, 2024 (for the May 2024 session) and on August 28, 2024 (for the July 2024 session).

Art. 6. CANDIDATES HAVING EU CITIZENSHIP OR EQUIVALENT: SUBMISSION OF APPLICATION FOR INCLUSION IN THE SINGLE NATIONAL RANKING LIST (STEP 3)

6.1 Submission of application

After taking the test in one or both dates, candidates with EU citizenship or equivalent (citizens of EU countries and non-EU countries referred to in Art. 39, Paragraph 5, Legislative Decree No. 286 of July 25, 1998), must submit an online application for inclusion in the national ranking list.

The application for inclusion in the ranking list must be filled out exclusively online through the portal managed by CINECA.

Application submission will start from July 29, 2024 to September 2, 2024 at 3 P.M. (GMT + 2).

After accessing their reserved area, and reading the information on the purposes and methods of the processing of personal data, candidates can check the information reported on the scores obtained and their personal data.

Information is exclusively used for all activities related to the selection for admission in the single-cycle master's degree programs for which candidates have applied and their subsequent enrollment. The information provided shall be retained for five years as of the time of filing, except as provided in Annex 4 to DM 472 under "Period of storage of personal data and data use, including for historical and statistical purposes." At the end of this period such data shall be anonymized.

When submitting their application for inclusion in the ranking list, candidates must:

- declare that they fulfill the requirements of Article 4, Paragraph 1 or Paragraph 2 of Ministerial Decree 472;
- check the score proposed by the system as the best score obtained in the admission tests;
- indicate, in order of preference, the universities for which they intend to compete.

These preferences are irrevocable and cannot be supplemented after 15:00 (GMT + 2) on September 2, 2024. The last "confirmation" expressed by the candidate within this deadline shall be deemed authentic in all cases.

Based on the ranking list of universities indicated by candidates, the first preference expressed is understood to be the best option related to the institution and the course where the candidate is eligible for enrolment, based on the score obtained and the number of available places.

Non-EU candidates residing abroad must apply for inclusion in the local ranking list as stated in Article 8.

6.2 Method for ranking list formulation

On the basis of the score obtained by each candidate, calculated according to the criteria defined above (par. 5.4), the respective national ranking list of candidates from EU and non-EU countries referred to in Article 39, Paragraph 5, Legislative Decree No. 286 of July 25, 1998 shall be drawn up according to the procedures set out in Annex 2 to Ministerial Decree No. 472 of 23/02/2024.

The ranking list reserved for candidates from non-EU countries residing abroad is established by the university (Art.8).

In case of equal score, the following criteria shall be applied:

- A. the score obtained by the candidate in answering, respectively, the questions related to biology, chemistry, physics and mathematics, logical reasoning and reading skills and knowledge acquired through studies shall prevail in descending order;
- B. in case of equality between one or more disabled candidates holding a certificate of disability equal to or greater than 66%, or disabled with certification under Law No. 104 of 1992 Article 3, Paragraph 3, and one or more candidates not falling into the above categories, the disabled candidate(s) holding a certificate of disability equal to or greater than 66% or disabled with certification under Law No. 104 of 1992 Article 3, Paragraph 3, shall be preferred.

Disabled candidates possessing a certificate of disability equal to or greater than 66% or disabled candidates with certification under Law No. 104 of 1992 art. 3, paragraph 3 possessing a medical certificate, who intend to claim such preference, in case of an equal score with another candidate not falling within the aforementioned categories, are required to submit their certificate of disability equal to or greater than 66% or the certification referred to in Law No. 104 of 1992 art. 3, paragraph 3 to the university where they have been "assigned" within the mandatory term of 15 (fifteen) days starting from the assignment, including the first day; failure to comply with this procedure shall result in candidates exclusion from the national ranking list. After this deadline has expired to no avail, the unsubstantiated preference title shall not be considered.

- A. Outside the cases referred to in the paragraph above, in the event of a further equal score, the youngest candidates shall prevail

Art. 7. CANDIDATES WITH EU CITIZENSHIP OR EQUIVALENT: PUBLICATION OF TEST RESULTS AND APPLICATION FOR ENROLLMENT (STAGE 4)

Please note: Admission is subject to the fulfillment of the admission requirements and the adequacy of the submitted qualification. Applicants who do not meet these requirements will not be allowed to access the course as ineligible for admission, even if they obtain a useful score on the test.

7.1 Release of single national ranking list for EU citizens and equivalent

On **September 10, 2024**, the individual national merit ranking list will be published in the student area of the CINECA portal.

The publication of the ranking list and registration procedures for non-EU candidates residing abroad are described in [Article 8](#).

7.2 Assigned and Reserved Candidates

- A. **ASSIGNED** candidates are included in the posts available in the first useful preference university; they are required to register at the university and in the course to which they have been assigned within the deadlines established in Section 7.4. Failure to comply with the deadline, shall result in candidates forfeiting their right to registration and any reason justifying the delay shall be deemed irrelevant;
- B. **RESERVED** on a later choice are those candidates who do not fall within the available places related to their first useful choice. In such a case, candidates may choose to register in the institution where they are booked (within the deadlines established in Section 7.4) or to wait until, at the conclusion of the registration of those who precede them in the ranking list, posts may become available at the best university preference they have indicated. If candidates enroll in the university where they are booked, all the other preferences they have indicated are automatically cancelled.

7.3 Registration

Successful candidates (both ASSIGNED and APPOINTED), in accordance with the deadlines and procedures set forth in Article 7.4, must register, at the University of Calabria, according to the specifications below:

- a) Register on unical.esse3.cineca.it (only if they are not already registered)
- b) Fill out an application on unical.esse3.cineca.it
Menu -> Secretariat -> Call for Admissions -> MEDICINE AND SURGERY REGISTRATION DT
2024/2025
- c) Register on: Menu -> Secretariat -> Registration
- c) Pay online the amount of 16.50 euros to be made by the deadline indicated in Article 7.1.3. Payments made in different modes will not be accepted and will not be proof of registration.

7.4 Procedures and Timing of Scrolls

- a) on **September 10, 2024**, the national rank list of merit by name for each degree program shall be published on the website with an indication for each candidate of the score obtained, their ranking position and the university institution where they are ranked as "**ASSIGNED**" or, taking into account the ranking position of all candidates ahead of them and their preferences, as "**RESERVED**" or "**PENDING**";
- b) ASSIGNED candidates must register with the universities according to the administrative procedures of each university institution, for the University of Calabria the instructions are indicated in art. 7.3 and are also reported in unical.it/ammissione/medicina24-25. RESERVED candidates may register at the universities in accordance with the administrative procedures of each university. In order to allow for the proper management of the national ranking list, in any case, it is stipulated that both ASSIGNED and RESERVED candidates can avail of this option, with reference to the specific scrolling, **within a maximum term of 4 days for registration**, including the day of scrolling of the ranking list and excluding Saturdays and holidays. Non-registration of ASSIGNED candidates will result in forfeiture if their preference for registration is not exerted within the aforementioned 4-day period. REGISTERED candidates who do not avail of this option will not forfeit registration;

- c) within five days from the deadline referred to in subsection a) and, in any case, no later than 12:00 noon on the fifth day following each scrolling of the list, including the day of publication of the scrolling and excluding Saturdays and holidays, each university shall notify CINECA of the names of the students enrolled through its reserved website;
- d) within five days from the deadline referred to in a) and, in any case, by 12:00 noon of the fifth day following each scrolling of the list, including the day of publication of the scrolling and excluding Saturdays and holidays, all candidates, except for those who have already enrolled, those who waived the registration and candidates who fall under the situation referred to as "exhausted posts," must confirm their interest in remaining in the ranking list in the restricted area of the University site, under penalty of forfeiture. Failure to confirm their interest, shall result in candidates' exclusion from the subsequent scrolling of the national ranking list where are included and shall retain no right to registration. No justifiable reason for non-confirmation of interest can be submitted, in case of impossibility to comply with the procedure, since the computer procedure is of short duration and may be delegated to trusted third parties within the five days allowed to perform the confirmation operation. Upon expiration of the deadline, automatic notice is provided to candidates of their exclusion in the restricted area. An appeal may be lodged against said notice, without the need for any further communication or challenge by the Ministry of University and Research, before the Lazio Regional Administrative Court within sixty days or before the President of the Republic within one hundred and twenty days after publication in the restricted area of each candidate; if no appeal is lodged against the exclusion within the terms indicated, an appeal lodged against other reasons concerning the non-enrollment in one of the chosen degree programs does not rectify the exclusion.
- e) **on September 18, 2024**, upon receipt of the communications referred to in paragraph (c), CINECA shall proceed, to publish the new ranking list in accordance with the procedures indicated in paragraphs (b), (c), and (d), in relation to the ranking position and preferences expressed by candidates;
- f) subsequent scrolling of the ranking lists shall replicate the procedures and timelines indicated in (b), (c) and (d).

During the first year, if a university has residual educational capacity and in the absence of eligible candidates in the merit ranking list, the university may accept applications for change of university submitted by students if it establishes that serious and duly documented reasons exist. Universities shall govern how to implement these provisions in their regulations.

Art. 8. NON-EU CANDIDATES RESIDING ABROAD: APPLICATION FOR INCLUSION IN THE LOCAL MERIT RANKING LIST, PUBLICATION OF RESULTS OF SELECTION AND APPLICATION FOR REGISTRATION (STEPS 3 and 4)

After taking the TEST in one or both terms, applicants with **non-EU citizenship residing abroad** must apply for inclusion in the local rank list of the university where they took the test in one or both terms. Therefore, only **non-EU applicants residing abroad who have taken the TEST at the university will be eligible to apply for inclusion in the University of Calabria's ranking list.**



As of **September 2, 2024** and by the mandatory deadline of 3 P.M. (GMT+2) on September 5, 2024, candidates must register on the university's website according to the following directions:

- 1) Log on to unical.esse3.cineca.it Select Menu -> Secretariat -> Call for Admissions -> Competition Registration -> Single-Cycle Master's Degree 6 years -> Non-EU candidates residing abroad - MEDICINE AND SURGERY DT;
- 2) Fill out the application;
- 3) Enclose the certificate issued by University containing details of the scores obtained on the test with the application, **failure to comply with this step shall result in the exclusion from the ranking list**;

After the evaluation of the applications received, the merit list will be published.

Applicants who have been evaluated as eligible will be ranked by descending order according to the score obtained in the test.

The ranking list will be published on September 10, 2024 on:

<https://www.unical.it/didattica/iscrivarsi-studiare-laurearsi/ammissioni/medicina24-25/>.

The notice on the ranking list will also state the method and deadline for registration of eligible candidates. The notice shall serve as a notification for interested applicants.

Registration involves online payment of the enrollment fee, whose amount is indicated at the end of the guided procedure.

Payment must be made by the deadline indicated in the notice of publication of the ranking list.

Payments made in different ways and after the deadline will not be accepted and will not be proof of successful enrollment.

Please note: Admission is subject to applicants' fulfillment of the admission requirements and to suitability of the submitted qualification. Applicants not meeting these requirements will not be allowed to enter the course as they will be deemed ineligible for admission, even if they have obtained an appropriate score on the test.

Art.9. REQUESTS FOR CREDIT AWARDS AND ADMISSIONS TO YEARS SUBSEQUENT TO THE FIRST

Available places, procedures and deadlines for requesting career shortening for the purpose of enrolling in years subsequent to the first will be published in a subsequent specific call and posted on unical.it/ammissione.

The university will not be required to consider applications for admission to subsequent years submitted in a different manner or after the deadline stipulated in the call for applications.

Art. 10. PERSON IN CHARGE OF THE PROCEDURE AND OF THE PROCESSING OF PERSONAL DATA

The Person in charge of the process and the Data Protection Contact Person is Dr. Gianfranca Russo, email: area.servizididattici@unical.it.

Pursuant to Article 13 of Regulation (EU) 2016/679, students are hereby informed that the personal data they provide will be processed in accordance with EU Regulation 2016/679, as well as Legislative Decree No.



196/2003. Personal data will be processed exclusively for institutional purposes. For further details, please refer to the information in Appendix A.

Regarding the information entered in the University portal, please refer to Annex 4 "Information on the processing of personal data (Articles 13 and 14 of EU Regulation 679/2016)" of Decree No. 472 of 02/23/2024 of M.U.R. (*Ministry of University and Research*).

APPENDIX A - Disclosure pursuant to Article 13 (EU) Regulation 2016/679 (RGPD).

This notice is a fulfillment of (EU) Regulation 2016/679, General Data Protection Regulation (henceforth, GDPR), which, pursuant to Article 13, envisages the obligation for any institution to provide the data subjects with the necessary information to ensure that their personal information is processed correctly and transparently.

Data processor: University of Calabria.

Data Protection Contact Person: Dr. Gianfranca Russo, Head of the Teaching Services Area of the University of Calabria, email: area.servizididattici@unical.it.

Data Protection Officer: Lawyer Sergio Niger, email: rpd@unical.it.

Purpose and legal basis of processing

The data subject to processing, provided by candidates at the time of application for admission to degree courses or, after passing the admission test, at the time of enrollment and during the course of education up to the final degree examination, will be collected and used in accordance with the limits established by law and regulations or processed for institutional purposes. It is hereby specified that the processing is carried out in accordance with the general principles of lawfulness, transparency, fairness, accuracy, minimization, confidentiality, and integrity referred to in Article 5 RGPD and that the data will be processed exclusively for the performance of administrative and educational activities. The University may also process personal data for statistical and scientific purposes, including for purposes of fostering the analysis and improvement of activities and services related to education, research and equal access to study.

Method of data processing and subjects involved

The personal data required and acquired is collected and processed both in paper form and by electronic (computer-based) means for purposes related to the performance of the university's institutional activities. The assessment of fees and contributions entails the University's access to the income data of the student's household. The data is mainly processed by means of computer systems and is used to calculate fees.

The data is also disclosed to the Public Authorities in charge of controls (e.g., Internal Revenue Service, INPS – *National Insurance Agency* – and Guardia di Finanza – *Financial Police*).

Any categories of special data and/or judicial data will be processed in accordance with the RGPD and in compliance with the Regulations for the Processing of Personal Data and Judicial Data of the University of Calabria.

The provision of some personal data (last name, first name, residence, C.F. - fiscal code - and e-mail address) is required for the establishment of the relationship between the student and the University, therefore it is to be considered mandatory. If this data is not provided, it will not be possible for the University to initiate and execute the relevant administrative procedure.

Rights of the person concerned

Direzione Didattica e Servizi agli studenti
Area Servizi Didattici
Università della Calabria
Via P. Bucci, 87036 Rende (CS)



In the circumstances provided for by the law Data subjects shall be authorized by the Data Controller, to access to their personal data, as well as to require amendment or deletion thereof or to restrict processing of their data or to object to processing thereof (Articles 15 et seq. of the RGPD).

The rights above can be exercised by writing to the Data Controller.

If Applicants are minor, we require to carefully read the notice with parents or legal guardians before communicating their data to the University.

A **notice** with further details is available at unical.it/privacy.

ANNEX No. 1 - Programs concerning the questions of the admission tests for the Master's degree program in Medicine and Surgery (LM-41)

Admission to the courses requires the ability to understand and analyze written texts of various types, to conduct logical-mathematical reasoning, as well as knowledge of general culture, with special emphasis on the historical, geographical, social and institutional and disciplinary fields in mathematics, chemistry, physics and biology.

The skills and knowledge required comply with the preparation promoted by educational institutions that organize educational and teaching activities consistent with the National Directions for high schools and the Guidelines for technical and vocational institutes, especially in perspective of the School Leaving Examinations.

1. Reading skills and knowledge acquired in high school studies

The ability to understand written texts of different kinds and with different communicative purposes in Italian is a transversal competence, since all types of questions will be formulated in Italian, including by resorting to symbolic language. The following skills will also be specifically tested:

- understand abstract, non-common or specialized vocabulary in real contexts;
- identify the phenomena of textual cohesion and coherence;
- extract and infer informative specific features from the text.

These skills will be tested by starting with short texts of scientific nonfiction or classic and contemporary fiction, or short texts of current events published in newspapers and general or specialized magazines.

Also based on short texts of various types and topics, or through direct questions, skills acquired in previous studies and knowledge of general culture or topics covered in contemporary public debate will be tested. In particular, the questions will aim to assess:

- the ability to be oriented in space and time, that is, to locate relevant historical and cultural phenomena in space and time;
- knowledge of key national and international institutions;
- understanding phenomena pertaining to the areas of law, economics, and citizenship.

2. Logical reasoning and problems

The questions are designed to test the ability to complete an explanation logically, in a manner consistent with the premises. These premises are stated in symbolic or verbal form, and deal with cases or problems, even of an abstract nature, the solution of which requires the adoption of different forms of logical reasoning.

3. Biology

- Chemistry of living organisms.
- Biological importance of weak interactions.
- Organic molecules in organisms and their respective functions. The role of enzymes.
- The cell as the basis of life. Cell theory. Cellular size. Animal and vegetal prokaryotic and eukaryotic cells. Viruses.
- Cell Membrane: structure and functions; cross-membrane transport. Cellular structures and their specific functions.
- Cell cycle and cell reproduction: mitosis and meiosis - chromosome set and chromosome maps.
- Reproduction and heredity. Life cycles. Sexual and asexual reproduction.
- Mendelian genetics: Mendel's laws and their applications.
- Classical genetics: chromosomal theory of inheritance - patterns of inheritance. Molecular genetics: structure and duplication of DNA, the genetic code, protein synthesis. DNA of prokaryotes. The structure of the eukaryotic chromosome. Genes and gene expression regulation. Human genetics: transmission of mono- and polyfactorial traits; autosomal and X chromosome-related inherited diseases.
- Mutations. Natural and artificial selection. Evolutionary theories. The genetic basis of evolution. Heredity and environment.
- Biotechnology: recombinant DNA technology and its applications.
- Anatomy and Physiology of animals and humans. Animal tissues. Anatomy and physiology of human systems and apparatuses and their interactions. Homeostasis.
- Bioenergetics. The energy currency of cells: ATP. Oxidation-reduction reactions in living things. Energy processes: photosynthesis, glycolysis, aerobic respiration and fermentation.

4. Chemistry

- The constitution of matter: the states of aggregation of matter; heterogeneous systems and homogeneous systems; compounds and elements.
- Perfect gas laws.
- The structure of the atom: elementary particles; atomic number and mass number, isotopes, electronic structure of atoms of various elements.



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- The periodic system of elements: groups and periods; transition elements. Periodic properties of elements: atomic radius, ionization potential, electronic affinity, metallic character. Relationships between electronic structure, location in the periodic system and properties of elements.
- Chemical bonding: ionic bonding, covalent and metallic bonding. Bond energy. Polarity of the bonds. Electronegativity. Intermolecular bonds.
- Basics 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, the concept of mole and its application, elementary stoichiometric calculations, balancing simple reactions, different types of chemical reactions.
- Solutions: solvent properties of water, solubility, the main ways of expressing concentration of solutions.
- Equilibria in aqueous solutions.
- Elements of chemical kinetics and catalysis.
- Oxidation and reduction: oxidation number, concept of oxidant and reductant. Balancing of simple reactions.
- Acids and bases: the concept of acid and base. Acidity, neutrality and basicity of aqueous solutions. pH. Hydrolysis. Buffer solutions.
- Fundamentals of organic chemistry: bonds between carbon atoms, crude and structure formulas, isomeria. Aliphatic, alicyclic and aromatic hydrocarbons. Functional groups: alcohols, ethers, amines, aldehydes, ketones, carboxylic acids, esters, amides. Elements of nomenclature.

5. Mathematics

- Number sets and algebra: natural, integer, rational, and real numbers. Sorting and comparison; order of magnitude and scientific notation. Operations and their properties. Proportions and percentages. Numerical powers with integer, rational exponent) and their properties. Radicals and their properties. Logarithms (in base 10 and base e) and their properties. Hints of combinatorial calculus. Algebraic expressions, polynomials. Notable products, n-th power of a binomial, factor decomposition of polynomials. Algebraic fractions. Algebraic equations and inequalities of first and second degree. Systems of equations.
- Functions: fundamentals of functions and their graphical representations (domain, codomain, study of the sign, continuity, maxima and minima, increasing and decreasing, etc.). Elementary functions: whole and integer algebraic, exponential, logarithmic, goniometric. Compound functions and inverse functions. Goniometric equations and inequalities.
- Geometry: polygons and their properties. Circumference and circle. Measurements of lengths, surfaces and volumes. Isometries, similarities and equivalences in the plane. Geometric places. Measurement of angles in degrees and radians. Sine, cosine, tangent of an angle and their notable

values. Goniometric formulas. Triangle resolution. Cartesian reference system in the plane. Distance between two points and midpoint of a segment. Equation of the line. Conditions of parallelism and perpendicularity. Distance of a point from a line. Equation of the circumference, parabola, hyperbola, ellipse and their representation in the Cartesian plane. Pythagorean theorem. Euclid's theorems (first and second).

- Probability and statistics: frequency distributions according to character type and main graphical representations. Notion of random experiment and event. Probability and frequency.

6. Physics

- Physical quantities and their measurement: Fundamental and derived physical quantities. Systems of units of measurement: International and Technical. Multiples and submultiples. Scientific notation. Main conversions between units of measurement of different systems. Scalar quantities and vector quantities. Vectors and operations on vectors.
- Kinematics: Description of motion. Velocity and angular velocity, acceleration and centripetal acceleration. Uniform rectilinear motion, uniformly accelerated motion, uniform circular motion, harmonic motion.
- Dynamics: Concept of force as interaction between bodies. Forces as applied vectors. The principle of inertia. Mass and the 2nd principle of dynamics. Examples of forces: weight force, elastic force, static and dynamic friction. Action and reaction: the 3rd principle of dynamics. Impulse and momentum. Principle of conservation of momentum. Momentum of a force and angular momentum. Work and kinetic energy. Conservative forces and potential energy. Principle of conservation of mechanical energy. Power.
- Fluid mechanics: Density and compressibility of fluids. Gases and liquids. Hydrostatics: pressure and principles of Pascal, Stevin and Archimedes. Fluid dynamics: one-dimensional motion, flow and flow rate, continuity equation. Ideal fluids and Bernoulli's equation. Viscous forces in real fluids.
- Thermodynamics: Equilibrium, concept of temperature, thermometers. Concept of heat and calorimetry. Modes of heat propagation. Heat capacity and specific heat. Changes of state and latent heats. Laws of perfect gases. First and second principles of thermodynamics.
- Electricity and electromagnetism: Electric charges. Forces between charges and Coulomb's law. Electric field and potential, equipotential surfaces. Dielectric constant, capacitance, and capacitors. Electrostatic energy. Series and parallel of capacitors. Generators. Electric voltage. Electric current. Resistivity, resistance, resistors. Ohm's law. Series and parallel of resistors. Kirchhoff's principles. Work, Power, and the Joule effect. Direct and alternating current. Period and frequency. Magnetic field of an electric current. Forces on electric currents in a magnetic field. Electromagnetic induction.