



**ACADEMIC YEAR 2023/2024
CALL FOR ADMISSION TO THE MASTER'S DEGREE COURSES
IN SCIENTIFIC AND DATA INTENSIVE COMPUTING (LM-44)
AND IN DATA SCIENCE AND ARTIFICIAL INTELLIGENCE (LM-DATA)**

1 - AREA OF APPLICATION

This call regulates the admission of the candidates to the interuniversity Master's degree courses in Scientific and Data Intensive Computing (class LM-44), from now on SDIC, and in Data Science and Artificial Intelligence (class LM-Data), from now on DSAI (pending accreditation).

The courses are activated in accordance with Ministerial Decree no. 270 of October 22, 2004, are two-year long and the teaching activity takes place in English.

The SDIC course is activated at the following departments of the University of Trieste: Mathematics and Earth Sciences, Engineering and Architecture, Economics, Actuarial Sciences, Mathematics and Statistics, Physics, Chemical and Pharmaceutical Sciences, and at the Department of Mathematical, Computer and Physical Sciences of the University of Udine.

The DSAI course is activated at the following departments of the University of Trieste: Mathematics and Earth Sciences, Engineering and Architecture, Economics, Actuarial Sciences, Mathematics and Statistics. In addition, both courses are organized in collaboration with the International School of Advanced Studies - SISSA, the International Centre for Theoretical Physics - ICTP, INAF and the Science Park Area.

Access is planned according to Article 2 of Law No. 264 of August 2, 1999.

Admission is based on the selection procedures described in the following articles, in order of the rankings and within the limit of available spaces.

For both courses, only the first year is activated for the academic year 2023/24, and therefore no admission applications can be accepted for the second year.

2 - ACADEMIC ADMISSION REQUIREMENTS

Admission is subject to the possession of the following requirements:

1. Bachelor's degree (or pre-reform degree) or three-year university diploma, or other foreign degree evaluated as equivalent according to current regulations, with a minimum score of 80 out of 110 or equivalent;
2. **a)** for the **SDIC** course: at least 60 University Educational Credits (CFU) gained in one or more of the following scientific disciplinary sectors (SSD): Mathematics (MAT/*), Computer Science (INF/01), Information Engineering (ING-INF/*), Industrial Engineering (ING-IND/*), Civil Engineering (ICAR/01-09), Physics (FIS/*), Statistics and Mathematical Methods for Decisions (SECS-S/*), Economics and Finance (SECS-P/01, 05, 08, 11), Chemistry (CHIM/*), Molecular Biology and Genetics (BIO/10, 11, 18), and Geophysics and Earth Physics (GEO/10 and 12), of which at least 21 CFUs must be in the mathematical field (MAT/*, SECS-S/06) and at least 6 in the computer science field (INF/01, ING-INF/05).
* All sectors within the same area are valid (e.g. MAT/01, MAT/02, MAT/03, etc.)
- b)** for the **DSAI** course: at least 30 university educational credits (CFU) acquired in one or more of the following scientific disciplinary sectors (SSD) must be completed: Mathematics (MAT/*), Computer Science (INF/01), Information Engineering (ING-INF/*), Physics (FIS/*), Statistics and Mathematical Methods for Decisions (SECS-S/*), Economics and Finance (SECS-P/01 and 05), Chemistry (CHIM/*) and Molecular Biology and Genetics (BIO/10, 11, 18), of which at least 9 CFU must be in the mathematical field (MAT/*, SECS-S/06).

Informatics knowledge will be verified by the presence of CFUs obtained in the computer science field (INF/01, ING-INF/05), by obtaining appropriate certifications or by assessing knowledge during the interview.

* All sectors within the same area are valid (e.g. MAT/01, MAT/02, MAT/03, etc.)

The minimum specific knowledge in the aforementioned sectors required for access will be listed in a specific Syllabus and will be evaluated by the Evaluation Committee during the selection procedure.

- Adequate knowledge of the English language, attested by an internationally recognized certification of level B2 or higher, or by passing an equivalent test at level B2.

3 - AVAILABLE PLACES

The available places for the first year of the course are **130**, distributed as follows:

Degree program	total places	1° SELECTION		2° SELECTION
		EU and equivalent	non-EU foreign residents	EU and equivalent
SCIENTIFIC AND DATA INTENSIVE COMPUTING (SDIC)	65	25[^]	15 (2 of which are reserved for the Marco Polo project)	25*
DATA SCIENCE AND ARTIFICIAL INTELLIGENCE (DSAI)	65	25[^]	15 (2 of which are reserved for the Marco Polo project)	25*

[^] In the first selection, two positions are reserved for "public employees" who apply according to the agreement between the Minister for Public Administration and our University (the agreement is available at the following address: <https://www.units.it/futuri-studenti/come-iscriversi>).

* Plus any remaining vacancies from the 1st selection.

Furthermore, a reserve of **4** spots is planned for winners of the scholarships that will be awarded by SISSA for the academic year 2023/2024, as per the upcoming announcement.

A subsequent notice will be published for the assignment of any vacant spots.

Candidates holding dual citizenship, one of which is Italian or from another EU country, will compete in the EU and equivalent category, in compliance with Law No. 218 of May 31st, 1995, Article 19 Paragraph 2.

For the purpose of this announcement, citizens of Norway, Iceland, Liechtenstein, Switzerland, the Republic of San Marino, and the Holy See are equivalent to EU citizens. Non-EU citizens who are lawfully present in Italy, as expressly indicated in Article 39, Paragraph 5 of Legislative Decree No. 286 of July 25th, 1998, are also equivalent to EU citizens.

Any unutilized spots in the ranking list of non-EU candidates residing abroad will be utilized for the benefit of EU and equivalent candidates. The spots reserved for the Marco Polo project, if not filled, will be used primarily for non-EU candidates residing abroad, then for EU and equivalent candidates.

The procedures for the entrance, stay, and enrollment of non-EU candidates residing abroad for the academic year 2023/2024 will be available at www.studiare-in-italia.it/studentistranieri/: related information may be requested at international.students@amm.units.it.

4 - APPLICATION FOR ADMISSION

The application for admission to the selection must be **submitted online**, within the following deadlines.

SELECTION	APPLICATION FOR ADMISSION
1°	from 18 April 2023 to 17 May 2023 – by 13.00 hours UTC+2
2°	From 25 July 2023 to 25 August 2023 – by 13.00 hours UTC+2

It is possible to apply for admission to both degree courses, indicating the order of preference; preferences are binding, so admission to the first-choice course will cancel the second. Selections are independent of each other: each application is valid for the selection to which it refers and can be re-submitted to participate in the next selection. It is possible to participate in the next selection even if you are already enrolled in another degree course in order to make a possible course transfer.

At the time of submitting the application, the candidate must be a graduate or, if not yet graduated, must have obtained a minimum number of university educational credits (CFU), set at 130 for three-year degrees. With regard to master's degrees, the situation will be evaluated on a case-by-case basis by the Evaluation Committee. Additionally, a candidate who does not possess the certification relating to the knowledge of the English language can also apply and participate in the selection, under the conditions described in Article 5.

To sign up for the selections, interested parties must:

- 1) Connect to the Online Services at <https://esse3.units.it/Home.do> and, if not already in possession of university credentials, register following the indicated procedures.
- 2) Select the Home>>Admission/Selection option from the menu and register by indicating the order of preference for the two courses. During the procedure, you will be asked to upload the following documents in pdf format:
 - 2.1 Self-certification of the degree and exams taken (if not completed at UniTS)
or, if not yet graduated, self-certification of enrolment and study plan, with exams taken and to be taken.
Alternatively, if in possession of a foreign degree, an officially translated copy in Italian or English, which includes the list of exams taken and the grading scales used, with specified minimum passing scores; the degree should ideally be legalised or bear an apostille (except for countries adhering to conventions on legalisation exemption)
 - 2.2 Application Form, available on the study courses page accessed from the home page <http://www.units.it/>, path Prospective students >> How to enrol.
 - 2.3 curriculum vitæ;
 - 2.4 Other titles considered useful for evaluation purposes (courses taken, relevant professional experience, etc.);
 - 2.5 Certification of knowledge of the English language (B2 level or equivalent), if available;
 - 2.6 valid identity document
- 3) Pay the contribution of €30.00 for admission to the competition by the **same deadline as the application to the selection**, or risk not being admitted to the selection. Use only the PagoPA platform, as instructed on <http://www.units.it>, under the path Students>>Taxes and Concessions>>Payment and Refund Methods. No other payment methods will be accepted. If also participating in the second selection, the contribution must be paid again. The contribution for admission to the competition **will not be refunded** under any circumstances.

Graduates of this University are required to verify that all exams taken and credits earned are present in their online transcripts and to promptly inform areatecnoscientifica.ammissioni@amm.units.it of any exams/credits that are not yet recorded. Without notifications, exams taken and credits that are acquired in the transcript at the deadline for application to the selection will be evaluated.

5 - MODES AND EVALUATION CRITERIA

The selection of candidates is conducted by the Committee appointed by the Council of the Master's Degree Course of the respective courses, composed of three teacher members of the same Council, in accordance with the educational regulations of the study program.

The evaluation of candidates takes place in two phases: the first involves the **verification of curricular requirements** described in Article 2; candidates for whom the verification has yielded positive results are admitted to the second phase, which consists of an **individual interview**, generally conducted in English, during which language competency level is also verified and must be at the B2 level for candidates not in possession of the related certification.

The evaluation concludes with the assignment of a score expressed in percentage points, consisting of the sum of partial scores, which take into consideration:

- The final grade, up to a maximum of 10 points, or, if not yet graduated, the average of the grades obtained in exams, weighted by their respective credits, up to a maximum of 8 points
- The academic transcript, particularly the credits earned and evaluations of exams in the core areas, for a maximum of 25 points
- Additional titles considered congruent with the disciplinary areas of the study program for a maximum of 15 points
- The individual interview result, for a maximum of 50 points. The interview can be conducted in person or via video conference. During the interview, in addition to the curriculum vitae, actual basic knowledge in mathematics, computer science, and probability disciplines will be evaluated in particular. A Syllabus is available on the website of each course, which briefly describes the required knowledge.

Evaluations will take place:

for the 1°selection	from 24 May to 8 June 2023
for the 2°selection	from 1st to 12 September 2023

according to the calendar that will be published on the course website, which can be accessed from the homepage <http://www.units.it/>, path *Futuri studenti*>>*Come iscriversi*.

Candidates who are eligible but not admitted to the first selection round can apply to participate in the second and keep the score already assigned. Alternatively, they can undergo a new individual interview: in this case, by the selection registration deadline, they must request to undergo the interview again by sending an email to sdic@units.it or dsai@units.it and, in copy, to areatecnoscientifica.ammissioni@amm.units.it.

6 - RANKINGS

The rankings are formulated on the basis of the score assigned according to the criteria described in Article 5. A **minimum score** of 60 out of 100 is required for admission. In case of a tie, candidates who have already graduated receive priority over those who are still completing their studies (the situation at the time of submitting the admission application shall be deemed decisive). In case of a further tie, the candidate with the highest degree grade or, for those who are still studying, with the highest average grade weighted by the corresponding credits, prevails. In case of a further tie, the candidate with the youngest age prevails. Candidates who are awarded the SISSA scholarships referred to in Article 3 are entitled to the four reserved places based on the ranking for the allocation of the same scholarships.

The rankings are published according to the following schedule on the University Official Bulletin Board, which can be accessed from <http://www.units.it/ateneo/albo/> and on the course page, which can be accessed from the home page <http://www.units.it/>, path *Future Students*>>*How to enrol*:

1°selection	no later than 13 June 2023
2°selezione	no later than 20 September 2023

The rankings are drawn up separately for each course of study. The preference expressed for a course of study prevails over the score obtained; therefore, candidates who have indicated a course as their first preference will be **admitted** in descending order of score; following them will be the candidates who have indicated the same course as their second preference in descending order of score.

Candidates who have obtained their degree abroad will be admitted to the ranking list subject to verification of the regularity of the documentation that must be submitted at the time of enrollment. Candidates who have not yet obtained their degree will be included in the ranking list with a reservation and, in order to maintain the rights deriving from their position, they must still enroll and obtain their degree by **March 29, 2024**.

These publications have official notification value for all purposes. No personal communications will be given.

7 - APPLICATION FOR ENROLLMENT

Applications for enrollment are accepted for each course of study, according to the order of their respective rankings, until the available places are filled.

Admitted candidates must submit the enrollment application online and must finalize it with the payment of the first installment of fees and contributions within the deadlines indicated in the calendar below, failing which the right to enrollment will be forfeited.

To apply for any vacant places, eligible candidates who were not admitted **must submit the online re-selection application** within the deadlines provided by the calendar, failing which the right to participate in all re-selection procedures will be forfeited.

Regarding the two selections:

- The candidate who wins on the 1st preference must enroll in the 1st preference course; any 2nd preference is automatically canceled.
- The candidate who wins on the 2nd preference and is eligible but not admitted to the 1st preference course:
 - Can enroll in the 2nd preference course,
 - Can submit a re-selection application for the 1st preference course,
 - Can enroll in the 2nd preference course and at the same time submit a re-selection application for the 1st preference course (if later admitted to the 1st preference course, the candidate must request a transfer of course).
- The eligible candidate who was not admitted to either the 1st or 2nd preference can submit a re-selection application for one or both courses.

Enrollment and re-selection applications must be submitted online, even by those who have not yet graduated, from the day of publication of the ranking list and WITHIN the DEADLINES indicated in the following calendar:

1° SELECTION

Enrollment of winners	21 June 2023 – by 13.00 hours UTC+2
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RE-SELECTION:

Submission of applications	21 June 2023 – by 13.00 hours UTC+2
Publication of available positions and names of those admitted	no later than June 23 2023
Enrollment of candidates admitted through the re-admissions	from 23 to 30 June 2023 – by 13.00 hours UTC+2

2° SELECTION

Enrollment of winners	25 September 2023 – by 13.00 hours UTC+2
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RE-SELECTION:

Submission of applications	25 September 2023 – by 13.00 hours UTC+2
1st Publication of available positions and names of those admitted.	no later than 28 September 2023
Enrollment of candidates admitted through the second chance	from 28 September to 3 October 2023 – by 13.00 hours UTC+2
2nd Publication of available positions and names of those admitted.	no later than October 6 2023
Enrollment of candidates admitted through the second round of re-admissions	from 6 to 10 October 2023 – by 13.00 hours UTC+2

After October 10, 2023, if there are available spots, an extraordinary selection may be announced, and its methods and deadlines will be published in a subsequent notice on the course of study's website. If there are still vacancies at the end of all procedures, **by February 29, 2024**, applications from candidates who were admitted or deemed eligible in previous selections but did not enroll within the prescribed terms, and/or from students from other courses of study in this or another university, may be accepted. Methods and deadlines will be published in a subsequent notice on the course of study's website.

ENROLLMENT PROCEDURE

The enrollment procedure requires candidates to submit their application online only, by the deadline of 1:00 pm on the deadline day (strict deadline). The application must be completed with the payment of the first installment of fees and contributions by the same deadline.

Admitted candidates must:

- 1) Access the procedure from the Home page <http://www.units.it/> and log in;
- 2) Enter the required data and attachments;
- 3) Pay the first installment of fees and contributions by the deadline for enrollment exclusively using the PagoPA platform, as per the instructions available at <http://www.units.it> under the path "Students>>Fees and benefits>>Payment methods and refunds". By accessing the "Payments" link in the online services, it is possible to verify the payment status (a green traffic light indicates that the payment has been credited).

No other payment methods are allowed.

The notice of student fees and contributions for the academic year 2023/2024 will be published on <http://www.units.it>, under the path "Students>>Fees and benefits".

Furthermore, within the deadline for enrollment, **candidates holding a foreign qualification** must send the required documents to the webpage <https://www2.units.it/international-students/>, following the instructions that will be provided on the same page. This documentation must be consistent with that already transmitted electronically, otherwise the right to enroll will be lost.

Non-EU candidates already resident in Italy must send their residence permit or the receipt of the request for it by email to the Admissions Office (areatecnoscientifica.ammissioni@amm.units.it) within the deadline for enrollment.

Non-EU candidates resident abroad must have submitted the pre-enrollment application through the University portal within the deadline for enrollment. Enrollment will be completed only when they present the receipt of the request for a residence permit.

Within March 14, 2024, candidates admitted with a reservation pending graduation must communicate that they have obtained the qualification by sending an email to areatecnoscientifica.ammissioni@amm.units.it.

Graduates from other universities must also enter the date and grade of their degree in the "Qualifications" link in their reserved area of online services <http://www.unit.it/studenti/servizi-online-agli-studenti/>. For graduates from the hosting university, the data will be automatically entered.

Candidates admitted with a reservation who have not obtained the degree by the deadline may request a refund of the first installment of fees and contributions paid.

SPECIAL CASES OF FIRST-YEAR ENROLLMENTS

COURSE TRANSFER

Candidates entitled to it, enrolled in other degree programs at this University, must, within the established deadline, pay the first installment of the fees for the course of origin and submit an online transfer application using the methods that will be published **by June 21, 2023** on the pages of their respective study programs. (see Contacts and Information).

TRANSFER FROM ANOTHER UNIVERSITY

The eligible candidates enrolled at other universities must, within the set deadline, follow the instructions published on www.units.it, path Future Students >> How to enroll.

ABBREVIATION OF ACADEMIC RECORD/CAREER

Candidates who possess other university degrees in addition to the one required for admission, or who hold a higher-level access qualification than a three-year degree, can only enroll in the first year after being admitted, but can still request recognition of exams taken in their previous academic career. They must therefore enroll within the deadline provided, following the online procedure described above and selecting the option "Abbreviazione carriera" (Abbreviated career): instructions are published on www.units.it, under the path "Futuri studenti>>Come iscriversi" (Prospective students>>How to enroll).

ENROLLMENT FOLLOWING RENUNCIATION OR FORFEITURE

Candidates who are in a suitable position on the ranking list but have lost their eligibility and/or have given up their studies at this or another university, must register by following the online procedure described above and choosing the option "decayed student" or "student who renounced".

Those who are eligible but do not follow the above procedures within the set deadlines will lose the right to enroll.

8 - ACCESS TO DOCUMENTS, DATA PROCESSING, ADMINISTRATIVE PROCEDURE RESPONSIBLE

According to article 13 of EU Regulation 2016/679, the personal data provided by candidates will be processed, stored, and archived, including electronically, by the University of Trieste, for the purposes related to the management of this competitive procedure. The provision of such data is mandatory for the evaluation of the requirements for participation, failing which candidates will be excluded from the competitive procedure. The data controller is the University of Trieste, with registered office in Trieste, Piazzale Europa 1. The data processed for the above-mentioned purposes will be communicated or made accessible to employees and collaborators of the competent offices of the University, who are adequately instructed by the Data Controller. The University may also communicate personal data to other public administrations if they need to process them for any institutional proceedings within their competence, as well as to all those public entities to which, in the presence of the relevant conditions, communication is obligatorily required by community provisions, laws, or regulations.

The management and storage of personal data collected by the University takes place on servers located within the University and/or on external servers of providers of some technical-administrative management services, who, for the sole purpose of providing the requested service, may become aware of the personal data of the data subjects and will be duly appointed as Data Processors in accordance with Article 28 of the Regulation. Candidates are granted the rights provided for in Articles 15-21 of the aforementioned EU Regulation, and in particular the right to access their personal data, to request their rectification, integration and erasure, as well as to obtain the restriction of processing, by sending an email to the Data Controller or the Data Protection Officer at the following addresses: ateneo@pec.units.it and dpo@units.it.

Candidates are granted access to the documentation of the competitive procedure, in accordance with current legislation (Law 241/90 and Presidential Decree 184/2006).

According to Law 241/90, the person in charge of the administrative procedure is the Head of the Admissions Office of the University of Trieste.

CONTACTS and INFO

Admissions Office: areatecnoscientifica.ammissioni@amm.units.it

Non-EU students residing abroad: international.students@amm.units.it

Course coordinators: sdic@units.it and dsai@units.it

Support services: [Disability and SLD Service](#)

The access methods and opening hours of the Admissions Office to the public can be found on the [Secretary's Office timetable](#) page.

Notices related to the admission procedures and other related acts are published on the pages of the respective courses of study, which can be accessed from <http://www.units.it>, under the *Future Students>>How to enroll* section.

Trieste, 20 april 2023