



Università
Ca' Foscari
Venezia

Master's degree in Engineering Physics (LM-44)

Call for Applications Academic Year 2024/2025



The 4 moves to ensure you keep your place

Get all the information

- **Read** the Call carefully!

Register for the test

- **Fill in** the test registration application and **pay** the pre-matriculation fee
- You can find procedures and deadlines in art. 4

Sit the test

- Candidates admitted to sit the selection test will receive all the information about date, time and location of the test via mail

Accept the place

- If you have been admitted and you meet the minimum requirements you will receive the information to accept the place and enrol

Meet the deadlines

If you fail to comply with all the deadlines and instructions in the Call, you will not be able to enrol: to avoid this risk, enter them immediately in your calendar on your smartphone or tablet!



Candidates with an international degree

If you are a candidate or applicant with an international degree, you can find more information on the apply.unive.it platform.

Art. 1. Purpose of the call and general principles

1. This call governs the enrolment procedures for the first year of the Master's degree programme in Engineering Physics at Ca' Foscari University of Venice for the Academic Year 2024/2025.
2. Once enrolment in the Master's degree programme has been completed, suspension for enrolment in another degree programme, outgoing transfer and internal transfer are not allowed for the first year of the course.
3. The personal data provided by candidates will be processed, in paper or electronic form, according to the regulations in force and included in the information available on the University website page: <https://www.unive.it/pag/34663>.
4. Candidates will be guaranteed access to the documents, in accordance with the provisions of Italian Law 241/1990 and subsequent amendments.
5. Candidates are advised not to wait until just before the deadlines governed by this call to complete the admission procedures for the degree programme in question. The University shall accept no liability for any malfunctions due to technical problems and/or overload of the communication line, and/or systems, or for any errors attributable to the actions of third parties, unforeseeable circumstances and force majeure.

Art. 2. Places available

1. The places available to enroll for the first year of the Master's degree programme in Engineering Physics are as follows:
 - 55 places for the Quantum Science and Technology and the Physics of Finance and Economics curricula;
 - 10 places for the Physics of the Brain curriculum.
2. Of the total number of places indicated above, **25 places** are reserved for non-EU international students needing a visa to enter Italy for long-term stays who meet the requirements of the M.I.U.R. note – Prot. No. 1291 of 16 May 2008, of which **3** are reserved for Chinese students (Marco Polo Project). Different forms of selection are envisaged for this category of students. Further information can be found in the course descriptions on the website dedicated to international student: apply.unive.it
3. The enrolment of non-EU students residing abroad who require a visa for long-term stays in Italy and who meet the requirements set out in the M.I.U.R. note - Prot. No. 1291 of 16 May 2008, is subject to the assessment of entry qualifications and to a specific selection procedure. This Call does not regulate the selection procedures for this category of applicants, who have to refer to the indications present in apply.unive.it.

Art. 3. Admission requirements

1. Except as provided for in the following paragraph, admission is subject to possession of one of the following academic qualifications:
 - Bachelor's degree;
 - degree under the old university system (before Ministerial Decree 509/1999) or university diploma;
 - for students with a qualification obtained abroad: at least a three-year degree, subject to evaluation of the studies completed by the competent Educational Board.
2. Those who do not possess the qualifications referred to in the previous paragraph may also participate in the selection. Enrolment on the Master's degree programmes covered by this call shall in any case be subject to **graduating within the deadlines established by this call for the completion of enrolment**.
3. Enrolment in this Master's degree also requires the possession of a proper personal preparation and precise curricular requirements, as stated in the following art. 11.
4. Students with a qualification obtained abroad must necessarily undergo a preliminary online evaluation on the apply.unive.it platform. Further information on procedures and deadlines can be found on the "Preliminary evaluation for international students" web page available at the following link: <https://www.unive.it/pag/12520/>

Art. 4. Admission procedure

⚠ Check that all phases of the online pre-enrolment procedure have been completed correctly and pay the pre-enrolment fee of €30.00. Applications submitted after the deadline or using methods other than those foreseen by this article shall not be considered.

1. Online pre-enrolment

- a) Online pre-enrolment can be performed on the university website **from 7 March 2024 and must be completed by 12 noon on 28 August 2024**. The online pre-enrolment procedure consists of three stages:
- **registration** on the university website (www.unive.it/registrazione or www.unive.it/registration). Those who already possess access credentials to the Reserved Area, either for being former students or for having applied to other University programmes or courses, will not be required to register.
 - it is possible to **access the reserved area** of the www.unive.it website in three ways, depending on the student's status:
 - ✓ those who already have a student number and password (because they are former students of the university) can log in with these credentials;
 - ✓ candidates of Italian nationality, or currently residing in Italy, who do not have a student number and password, must log in with SPID or CIE. To obtain the SPID <https://www.spid.gov.it/>
 - ✓ students of a nationality other than Italian, who are not currently in Italy and who do not have a student number and password, may request access credentials via the link www.unive.it/nospidaccess;
 - **enrolment for selection**, by logging in to the Reserved Area and selecting **Admission test**. To perform this procedure, in particular, candidates:
 - ✓ must enter the details of a valid identification document and upload a copy (identity card, passport or driving licence);
 - ✓ view the button for paying the enrolment fee (see point 4.2);
 - ✓ indicate a maximum of two Master's degree programmes for which they wish to enrol (see point 4.3);
 - ✓ report their academic performance as defined under section 4.4 below;
 - ✓ candidates must print the receipt for enrolment for the admission test which shows the pre-enrolment number that will be used in the final ranking publication. The pre-enrolment procedure is completed only by printing the pre-enrolment receipt.
- b) Candidates must also upload:
- signed self-certification of degrees with exams, or of enrolment with exams for undergraduates (which includes: University of graduation, degree class and programme, graduation date and mark, exams taken with relative subject area, weight in credits and mark);
 - curriculum vitae et studiorum;
 - where held, a recognised language certificate attesting to at least level B2 in English or the special self-certification form in cases of exemption. The list of recognised certificates and exemptions are published on the dedicated page (www.unive.it/language-requirements);
- c) Once the online procedure has been completed, candidates shall receive a confirmation email at the email address provided during registration.
- d) Once the pre-enrolment procedure has been completed, changes cannot be made.
- e) In the event of difficulties in completing the pre-enrolment procedure, candidates can request support from the Enrolment Area, on the page: www.unive.it/faqsforstudents.
- f) Students **with qualifications obtained abroad**, for whom admission is governed by this call, must **also** have had their academic qualifications assessed via the special online procedure (apply.unive.it) by **14 June 2024**. For further information please contact the Welcome Unit (welcome@unive.it)

4.2. Pre-enrolment fee

- a) The payment function is activated at the end of the online pre-enrolment procedure: candidates will see a "payments" button for the guided payment procedure.
- b) The pre-enrolment fee of €30.00 must be paid after completing the online pre-enrolment procedure (see point a above a). The only admitted payment method for students residing abroad is through online credit card.
- c) Forms of payment other than those indicated above are not accepted.

d) The pre-enrolment fee shall not be refunded under any circumstances.

4.3. Curriculum Selection

- a) During the preliminary enrolment stage, candidates can take the admission test for **a maximum of two curricula**.
- b) Quantum Science and Technology and Physics of Finance and Economics curricula have a single selection test; the ranked candidate will choose the programme they want to attend when filling in their academic curriculum.
- c) Candidates can modify the curricula for which they want to take the admission test only within the periods of pre-registration for the selection. To modify the application, candidates should click on "modifica iscrizione" (modify your registration form) and fill the form in once again.

4.4. Academic results to be entered in the online pre-enrolment procedure

- a) For the purposes of the ranking referred to in art. 7, candidates must enter in the online pre-enrolment procedure the weighted average of the marks for exams taken.

4.5 Support for candidates with disabilities and candidates diagnosed with specific learning disabilities (DSAs)

- a) The test is organised by the University considering the individual needs of candidates with disabilities, in accordance with Italian Law no. 104/1992 and subsequent amendments and students with DSAs pursuant to Italian Law no. 170/2010.
- b) Should candidates with disabilities or specific learning disabilities wish to use individualised methods for performing the admission test, they must submit a specific request, attaching the relevant medical certification. The requests will be assessed on the basis of the documentation presented. In particular:
 - candidates with disabilities can sit the admission test using the necessary aids and with additional time relative to the specific disability;
 - candidates with specific learning disorders (DSAs), as referred to in Italian Law no.170/2010, shall benefit from additional time (30% more) for completing the admission test. In cases of particular certified serious disability, further measures are possible to ensure equal opportunities in completing the test.
- c) Candidates must submit the request for aid during the online pre-registration; in particular, candidates must:
 - state the type and degree of disability/disorder;
 - specify any special features of the aid requested;
 - attach a certification/diagnosis attesting to having the disability/disorder declared in .PDF format. The DSA diagnosis must have been issued no earlier than 3 years ago by NHS structures or by accredited specialists and facilities.
- d) To guarantee the provision of the service, candidates requesting aids should submit the request at least 7 days before the test date.
- e) For information, please contact the University Disability and DSA Service by writing to inclusionone@unive.it.

Art. 5. Admission test

5.1. Admission test: subject and modalities

- a) The admission interview will be held in English and will verify:
 - the candidates' ability to discuss engineering and physics subjects in English;
 - knowledge of basic quantum mechanics principles required to access the MA's programme;
 - knowledge of Python and advanced programming concepts;
 - knowledge of electronics principles and signal processing

- b) The admission test consists of three questions, with a maximum score of 10 points each. Candidates who applied to the Physics of the brain curriculum will also be asked to answer an additional question to assess knowledge about Biochemistry and Molecular Biology. This question will not be awarded a score but a judgement of eligibility.
- c) The test is passed with a total score of at least 18 out of 30 and a minimum score of 6 out of 10 in at least two questions
- d) The examining board is composed of Professor Stefano Bonetti, Professor Giovanni Antonio Salvatore and Professor Sabrina Tamburini.

Art. 6. Admission Test Information

6.1. Mode, venue and time

- a) Candidates correctly pre-enrolled for the selection by 16 April 2024 will be invited to sit the test between **6 and 10 May 2024**.
- b) Candidates correctly pre-enrolled for the selection by 28 August 2024 will be invited to sit the test between **9 and 13 September 2024**.
- c) Applicants admitted to the test will receive information via mail about date, venue and time of the test.

6.2. Documents to submit on the interview day

- a) On the test day, the applicant should provide a valid ID (identity card, passport or driving license).

Art. 7. Rankings

- a) Rankings for each curriculum will exclusively be drawn up in accordance with:
 - the evaluation of the curriculum vitae et studiorum - 30 pt. max;
 - the score obtained during the selection test – 30pt. max.
- b) In the event of a tie, priority is given to the candidate with the highest weighted average of marks for exams taken. In case of further tie, priority is given to the younger candidate.
- c) Candidates who score at least 18 out of 30 points in the test, with at least two questions scoring a minimum of 6 out of 10 points, and an **overall score**, given by the sum of the score obtained in the selection test and the evaluation of the curriculum vitae et studiorum, equal to or greater than **36 points**, will be considered **eligible**.
- d) Candidates who expressed two preferences during registration will be included in the ranking of both the chosen curricula and will be able to accept and enroll only in one curriculum.
- e) The ranking will be published on the University website (www.unive.it) and will be available at the following address www.unive.it/cdl/cm13 >Enrol> Evaluation results.
- f) Candidates will be notified via e-mail about the place assignment, until all available places are filled. The e-mail will indicate the procedures and deadlines for accepting the place, as described in Articles 8 and 10 below.
- g) The ranking will also highlight the personal preparation, the minimum curricular requirements for access to the Master's degree programmes referred to in this call and any mandatory language proficiency required, as specified in art. 11 below.

Art. 8. Enrolment of selected students

- a) The acceptance procedure provides the enrollment of the selected candidates.
- b) Only candidates who have received the notice, as in art. 7, may proceed with the acceptance of the place and enrolment.
- c) Applicants with international qualifications in a useful position in the ranking list will be able to proceed with the place acceptance only if they have correctly registered on apply.unive.it by the deadlines and only if their admission qualification

has been deemed valid for admission to the programme.

- d) Candidates classified for admission in the rankings who fail to enrol in the required manner shall be considered to all intents and purposes to have withdrawn from application.

Art. 9. Acceptance of place and enrolment of students graduating in the autumn session of academic year 2023/2024

9.1. Acceptance of the place and choice of course

- a) Candidates who are graduating in the autumn session of the academic year 2023/2024, and who received the notification of the place, must accept the position using the dedicated online procedure within the deadline indicated via mail.
- b) The enrolment procedure consists of two steps:
- payment of the pre-enrolment fee of €200.00. This fee is non-refundable, even in the event of failure to enrol;
 - compilation of the online pre-enrolment application.
- c) **Payment of the pre-enrolment fee:** Candidates graduating in the autumn session **are not required to pay the total amount** of the first installment of tuition and fees, automatically generated by the system after the pre-enrolment application. The payment of the €200.00 pre-enrolment fee, reserved only for candidates graduating in the autumn session, must be made exclusively through PagoPA online system by connecting to the University website page www.unive.it/pagamenti-programmati-magistrali. The remaining amount of the first installment of tuition and fees, from which the pre-enrolment fee will be automatically deducted, should be paid only at the time of enrolment.
- d) **Compilation of the online pre-enrolment application:** candidates must log in to the Reserved Area of the website following the procedure used for the pre-enrolment procedure and select **Immatricolazione ai corsi ad accesso programmato**. After choosing the degree programme, candidates must upload a passport-size photograph in .JPG format and a copy of their identity document to complete the enrolment application procedure
- e) Candidates classified for admission in the ranking who do not accept the place in the manner indicated above shall be considered to all intents and purposes to have withdrawn from application.

9.2. Completion of enrolment

- a) Candidates graduating in the autumn session of the academic year 2023/2024 who have correctly accepted the place must complete their enrolment, once they have obtained their degree, in the period between **1 October 2024** and **17 December 2024**, according to the procedures described in art. 10 below.

Art. 10. Enrolment procedures

10.1. Enrolment procedure

- a) Enrolment may only be performed according to the procedures outlined below.
- b) The enrolment procedure consists of two steps:
- compilation of the online enrolment application;
 - payment of the first instalment of tuition and fee payments.
- c) **Compilation of the online enrolment application:** candidates must log in to the Reserved Area of the website following the procedure used for the pre-enrolment procedure and select **Immatricolazione ai corsi ad accesso programmato**. After choosing the Master's degree programme, candidates must upload a passport-size photograph in .JPG format and the following documents:
- recognised language certificate attesting to at least level B2 in English or self-certification in cases of exemption, if not uploaded during pre-enrolment. The list containing the acknowledged certificates and exemption cases are published on the dedicated page (www.unive.it/language-requirements);
 - signed self-certification of degree with exams, only for those who participated in the selection as undergraduates;
 - disability certification for students with degree of disability of 66% or more, with the right to exemption from university fees, or with degree of disability of between 50% and 65%, with the right to reduced fees;

- for students with academic qualifications achieved abroad, any documentation that the candidate was unable to produce during the assessment of admission requirements through the special online procedure available at apply.unive.it;
 - in the case of a non-EU students residing in Italy, a copy of the residence permit;
 - any other documents useful for enrolment.
- d) Payment of the first instalment of tuition and fee payments: after compiling the enrolment application candidates will see a "payments" button for the guided payment procedure.
- e) Students who are entitled to do so may pay the already reduced amount of the first instalment in accordance with the administrative provisions available at www.unive.it/tuitionfees.
- f) The payment of the first instalment must be made **no later than the deadline established for accepting the place**.
- g) Once the first instalment is paid and enrolment has been completed, this amount cannot be refunded in any circumstances.

10.2. Completion of enrolment

- a) The completion of the enrolment application and the payment of the first instalment **mean that the place has been accepted but do not imply automatic enrolment**. Enrolment will be completed within seven working days by the Enrolment Department and notified via email.

Art. 11. Review of admission requirements to the Master's degree programme

- a) Admission to a Master's degree programme is subject to candidates possessing adequate personal preparation and specific curricular requirements.
- b) Candidates should have obtained at least 60 credits in the following disciplinary areas to meet the minimum curriculum requirements:

Mathematical and computer sciences (15 CFU)

MAT/02 Algebra
MAT/03 Geometry
MAT/05 Mathematical analysis
MAT/06 Probability and mathematical statistics
MAT/07 Mathematical physics
MAT/08 Numerical analysis

Physical sciences (25 CFU)

FIS/01 Experimental physics
FIS/02 Theoretical physics, mathematical models and methods
FIS/03 Physics of matter
FIS/04 Nuclear and subnuclear physics
FIS/06 Physics of the Earth system and of the circumterrestrial medium
FIS/07 Applied physics (for cultural and environmental heritage, biology and medicine)

Information engineering and informatics (20 CFU)

ING-INF/01 Electronics
ING-INF/02 Electromagnetic fields
ING-INF/03 Telecommunications
ING-INF/04 System and control engineering
ING-INF/05 Information processing systems
ING-INF/06 Electronic and informatics bioengineering
ING-INF/07 Electrical and electronic measurement
INF/01 Informatics

- c) Personal knowledge should be intended as adequate acquisition of knowledge and competences in the following subjects: Mathematical Analysis, Classical Physics, Quantum Physics and Physics of matter, Electronic Engineering, Computer Engineering or Computer Science, at the level typically achieved in degree programmes of classes L-8 (Information Technology Engineering), L-30 (Physics) or L-31 (Computer Science).

The Physics of the Brain curriculum requires candidates to have personal knowledge in the field of Biochemistry and Molecular Biology.

For the purposes of this call and the admission to the Master's Degree Programme, personal knowledge is verified through the admission test and the submitted curriculum vitae et studiorum. Applicants who score **at least 36** are considered to have adequate personal knowledge.

- d) Admission to the Master's degree programme covered by this call requires English language proficiency at level B2 at the time of enrolment.

Art. 12. Transfers, Internal Transfers, Enrolment with credit transfer

- a) Transfers from other universities and internal transfers to the first year of the Master's degree programme covered by this call are not permitted. Transfers to other universities are not permitted once enrolment in the first year of the course has been completed.
- b) Candidates who are awarded up to **47 credits** will sit the test and, if admitted to the rankings referred to in art.7 of this call, may enrol in the first year of the course in the manner indicated in the articles 8 and 10 above.
- c) Candidates who are awarded **48 credits** or more will sit the test for the assessment of the personal preparation and may enrol to the second year of the Master's degree programme covered by this call, on the basis of the places available in the second year.
- d) Procedures and deadlines for enrolment with credit transfer are available on the University website: www.unive.it/cdl/cm13 >Enrol> Admission.

For information

- **Call Center:** www.unive.it/callcenter
- For information about admission and enrolment procedure, **Enrolment Unit:** www.unive.it/pag/20065/
- Information for applicants with international entry degrees, **Welcome Unit:** www.unive.it/pag/20057/
- For information and explanations on financial aid, please contact the **Financial Aid Unit:** www.unive.it/pag/20068/
- For information on enrolment with ECTS accreditation, **Scientific campus:** www.unive.it/pag/20071/

Ca' Foscari University will be closed for holidays from 10 to 18 August 2024: telephone, email or face-to-face answering services will not be guaranteed during this period.

Venice, 7 March 2024

The Rector
Tiziana Lippiello