

**AMMINISTRAZIONE CENTRALE**

AREA DIDATTICA E SERVIZI AGLI STUDENTI

UFFICIO CARRIERE STUDENTI



**UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA**



Università degli studi di Padova

## **CALL FOR ADMISSION 2025/2026 A.Y.**

English-taught Master's degree programmes with a limited number of places,  
online admission test or previous career evaluation

Selection of non-EU citizens residing abroad with a foreign qualification

**N.B.:** this document is the English translation of the Call for admission for Master's degrees with limited places and admission requirements, online admission test or previous career evaluation, for non-EU citizens residing abroad with a foreign qualification.

It only includes the degree programme in Medical Biotechnologies.

The full Call for admission is available in Italian at <https://www.unipd.it/avvisi-ammissione-lauree-magistrali>.

If there is any dispute regarding the interpretation of the two versions, the Italian version shall take precedence

*N.B.: to make navigation easier, candidates can click on the table of contents, which refers to the paragraphs in the text.*

*However, we recommend paying attention to the information contained in the entire call for admission.*

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## 1. GENERAL INFORMATION AND ADMISSION REQUIREMENTS

The present call for applications is intended for non-EU candidates residing abroad with an entry qualification obtained abroad.

In the case of dual citizenship, Italian citizenship prevails (pursuant to Legge (Law) no. 218 of 31 May 1995, Article 19). Citizens with dual citizenship (non-EU and Italian) and candidates with an Italian entry qualification, regardless of their citizenship must refer to the selection processes for EU and equivalent candidates. The related calls for admission will be available starting from February 2025 at <https://www.unipd.it/en/admission-notice-for-courses-and-rankings>

### 1.1 Master's degree programmes

The Master's degree programmes that this Call for admission refers to are the following:

#### English-taught Master's degree programmes

LM-9	Medical Biotechnologies
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Information on ongoing course units and the Syllabus Regulation can be found at [didattica.unipd.it](https://didattica.unipd.it), by selecting the degree programme of interest. Further information on the content and organisation or contacts of the degree programme can be found, when available, in Appendix 1.

### 1.2 Admission requirements

To be admitted to the first year of the degree programme, candidates must:

- obtain a bachelor's degree or an equivalent foreign degree **by 31 July 2025**, in accordance with the applicable regulations (<https://www.unipd.it/en/how-apply> - for admission purposes, specific qualification requirements are assessed, as specified at <https://www.unipd.it/en/entry-title-requirements>);
- The qualification must meet specific curricular requirements, that will be evaluated as per [Appendix 1](#);
- submit by **31 July 2025** a certificate of **English language** proficiency of at least **B2 level** (CEFR), except in the specified cases of exemption. The list of accepted certificates, the relative minimum scores required and exemptions is available at <https://www.unipd.it/en/language-requirement-admission-degree-programmes>
- apply for selection **from 7 January 2025 to no later than 11:59 pm (local time - GMT+1) on 7 March 2025**, by submitting the documents required for the evaluation of qualifications and for the formation of ranking lists;

### 1.3 Procedure for the preparation of the admission ranking list

The rankings are drawn up based on the score obtained when evaluating the academic record or the admission test; the details are specified for each programme in **Appendix 1**.

**N.B.:** admission to the Master's degree programmes is subject to the possession of the minimum curricular requirements and the eligibility of the submitted qualification. Applicants who do not meet these requirements will not be able to join the degree programme as they will be deemed ineligible for admission, even if they are conveniently ranked. Candidates failing to meet the deadlines specified at [point 1.2](#) will lose their status as successful candidates and consequently their place in the ranking list.

#### 1.4 Other Information - Inclusion and Career Shortening

Students with disabilities or learning disorders may contact the Student Service Office – Inclusion Unit ([inclusionone.studenti@unipd.it](mailto:inclusionone.studenti@unipd.it)) to report any need and to acquire information on course attendance support services and financial subsidies (<https://www.unipd.it/en/resources-and-supports-students-disability-or-learning-disabilities>).

For any requests concerning career recognition or career shortening, students can refer to the information that will be updated in June, and which is available at [www.unipd.it/domanda-valutazione](http://www.unipd.it/domanda-valutazione).

## 2. APPLICATION AND DOCUMENTATION UPLOAD

The application must be submitted by accessing the personal area of the <https://apply.unipd.it/> portal

**from 7 January 2025 to no later than 11:59 pm (local time - GMT+1) on 7 March 2025.**

Those who are not yet registered need to enter their email address at <https://apply.unipd.it/applicant/register>. A PIN code will be generated and they will receive a verification email at the specified address in order to complete their registration.

**N.B.:** the personal email address that has been entered in the <https://apply.unipd.it/> portal is the communication channel through which deadlines will be communicated and instructions to access the degree programme will be provided. Emails sent for this purpose count as an official communication.

Candidates can choose up to three degree programmes from the portal, listing them in order of preference. After selecting the degree programmes, click on “*Apply now*” and fill in all the required fields. The documents to be uploaded for the application are as follows:

a) for one's own personal data sheet:

- copy of an identity document: passport
- curriculum vitae (resume)

b) for the assessment of the entry title:

- bachelor's diploma (if already graduated) or certificate of registration in the final year, with the relevant translation into Italian or English
- Transcript of records, with the relevant translation into Italian or English, specifying the grades obtained in the exams, the scale used and, preferably, the ECTS statistics; alternatively, a Diploma Supplement

c) for the formation of ranking lists:

- evaluation forms or other documents as specified for each Degree programme [in Appendix 1](#).

d) for completing the enrolment:

- submit by **31 July 2025** a certificate of **English language** proficiency of at least **B2 level** (CEFR) except in the specified cases of exemption. The list of accepted certificates, the relative minimum scores required and exemptions is available at <https://www.unipd.it/en/language-requirement-admission-degree-programmes>
- Authentication of the qualification or the CIMEA Statement of Verification are optional at application stage, but are required **for the enrolment, and they must be submitted no later than 31 October 2025**.

The Admissions and Welcome Unit reserves the right to mandatorily request the CIMEA Statement of Comparability of the entry qualification if further verification of the qualification is deemed necessary.

Paying a **€ 30.00** registration fee is also required. An email will be received via the portal <https://apply.unipd.it> with instructions for payment through the PagoPA system.

Once **the required documents have been uploaded and payment has been completed**, the application must be submitted by clicking on the “**Submit**” button.

**Contacts and assistance:** [international.admission@unipd.it](mailto:international.admission@unipd.it).

### 3. PUBLICATION OF RANKING LISTS AND ACCEPTANCE OF PLACES

#### 3.1 Publication of ranking lists and acceptance of places

As from **11 April 2025** on [www.unipd.it/en/assessment-results](http://www.unipd.it/en/assessment-results) the following documents will be published:

- the merit ranking lists
- instructions on how to accept the place.

Admission is subject to verification of the declared qualifications, the awarding of the qualification, if not yet held, and, in the case of a qualification awarded abroad, the submission of the documents specified on <https://www.unipd.it/en/how-apply>.

Candidates who fail to meet the deadlines for obtaining and submitting the required qualifications ([point 1.2](#)) will lose their place in the ranking list.

**N.B.:** meeting the deadlines specified for accepting the place and for payment of the first instalment is mandatory; failure to meet them is equal to forfeiting one's place in the ranking list.

Candidates who do not yet hold their **language certificate** or **entry qualification** when they are assigned a place on the ranking list, may provisionally accept the place that they have successfully gained, and they are required to update their entry qualification data and submit the language certificate **no later than 31 July 2025**. The procedures for updating the qualification details and submitting the certificate are disclosed when the ranking list is published.

### 3.2 Student fees and benefits

The University of Padua offers scholarships and tuition fee waivers to highly qualified and deserving international students holding a foreign qualification who wish to enrol in a degree programme delivered entirely in English.

For further information on the opportunities and on the contribution required for enrolment, candidates can refer to [www.unipd.it/en/tuition-fees](http://www.unipd.it/en/tuition-fees)

**Contacts and assistance:** [benefici.studenti@unipd.it](mailto:benefici.studenti@unipd.it)

### 4. PERSON RESPONSIBLE FOR THE PROCEDURE, PERSONAL DATA, NOTES, AND WARNINGS

Person responsible for the administrative selection procedure and for the Procedure for Accessing Documents: Director of the Student Office, Ms Maria Chiara Ferraresi.

Further information on privacy and general admission regulations can be found on the following pages:

[www.unipd.it/avvisi-ammissione-corsi](http://www.unipd.it/avvisi-ammissione-corsi)

[www.unipd.it/informativa-studenti](http://www.unipd.it/informativa-studenti).

For anything not specified in this Call for admission, reference should be made to the applicable Italian legislation.

Padua, 20/12/2024

THE RECTOR

Prof. Daniela Mapelli

*digitally signed pursuant to D.lgs (Legislative Decree) no. 82/2005*

### APPENDIX 1 – Requirements and access procedures for English-taught degree programmes

Here below is a list of the programmes this Call for admission refers to. For each programme information on entry requirements and on how ranking lists are drawn are provided, alongside specific instructions concerning access to said programmes.

Procedures to access programmes can be found at point 1.2

For information on each of the programmes listed, either scroll the following pages or click on the respective link here below:

**English-taught Master's degree programmes**

- [Medical Biotechnologies](#)



## MEDICAL BIOTECHNOLOGIES

### Programme Information

- Available places: **10**
- Location: Padua
- Degree programme held in English
- Further information on the structure and organization of the programme can be found at [www.unipd.it/en/medical-biotechnologies](http://www.unipd.it/en/medical-biotechnologies), [didattica.medicinamolecolare@unipd.it](mailto:didattica.medicinamolecolare@unipd.it), [internationaldesk.medicinachirurgia@unipd.it](mailto:internationaldesk.medicinachirurgia@unipd.it)

### Curricular Requirements

- **Entry title:** a Bachelor's degree in one of the following areas: Biotechnologies, Biology, Chemistry, Technical Health Profession, Medicine and Surgery.  
Alternatively, it is possible to apply with a different degree and at least 30% of credits earned in exams related to the following areas:
  - **Biology** (Physiology, Biochemistry, Applied Biology, Pharmacology, Human Anatomy, Histology)
  - **Medicine** (General Pathology, Microbiology and Clinical Microbiology)
  - **Physics** (Experimental Physics and Applied Physics)

The verification of the required knowledge will be carried out by the relevant academic commission based on the candidate's educational background, in accordance with the curricular requirements and personal preparation required to access the programme.

### Admission procedures and test

Ranking lists are drawn up based on the scores obtained in the admission test, in descending order. The admission test is open to candidates who have properly completed their application referred to at [point 2](#).

The admission test is delivered **online and remotely on 18 March 2025**.

The test consists of **40 questions in English**, divided into the following areas:

- Mathematics, Physics and Medical Statistics;
- Chemistry (general chemistry and biochemistry);
- Biology (cell biology, molecular biology, microbiology);
- Medical Genetics and Biotechnology
- Human Pathophysiology (physiology, pathology, immunology)

For more information on the topics covered in the test: [Syllabus - Argomenti della prova di ammissione](#)

Candidates have **40 minutes** to complete the test. Answers are assessed as follows:

- correct answer: + 1 point
- wrong answer: - 0.1 points
- answer not given: 0 points.

In the event of a tie between candidates, priority will be given to the younger candidate.



To take the test candidates must:

- have a good internet connection for the duration of the test
  - have a desktop or laptop computer to take the test (tablets are not allowed )
  - have a device to be used for the Zoom meeting, allowing the committee to check that the test is properly taken
  - have a suitable room to take the test.

Further details on the above can be found in the following document: [www.unipd.it/node/106112](http://www.unipd.it/node/106112). Candidates who, on the day of the test, do not meet the listed requirements, as verified by the examination commissioners, are excluded from taking the test and thus from the admission ranking list. As from **11 March 2025** a document with further information on the test will be published on [www.unipd.it/ammissioni-med-medicalbio](http://www.unipd.it/ammissioni-med-medicalbio) such as:

- the exact times of the test
- the procedures and rules to be followed during the test

**N.B.:** this document counts as an official communication.

Further information on how to request a personalized test is available here: [Request for a personalised test for candidates with a disability, impairment, or SLD diagnosis](#)

### **Syllabus – Admission test topics**

Here below are the topics covered in the admission test:

#### **Mathematics, Physics and Medical Statistics**

Elements of mathematical logic and set theory. Real functions of a real variable. Functions of multiple variables. Differential and integral calculus. Elements of geometry and linear algebra.

Units of measurement, reference systems and vectors. Mechanics: forces, motion, laws of dynamics.

Fluid mechanics. Thermodynamics: energy, heat, work, principles of thermodynamics.

Electromagnetism: electric and magnetic fields; electric currents. Wave physics and principles of optics.

Descriptive statistics. Statistical inference and statistical tests. Differences between 2 or more groups, tests of association between variables, correlation and regression. Fundamentals of epidemiology.

#### **Chemistry (general chemistry and biochemistry)**

Atoms and molecules. States of matter. Chemical reactions and stoichiometry. Chemical kinetics.

Acids and bases. Solutions. Functional groups and organic compounds. Biological macromolecules: structure, function, biosynthesis and degradation. Enzymatic catalysis. Fundamental metabolic processes.

#### **Biology (cell biology, molecular biology, microbiology)**

Structure and function of prokaryotic and eukaryotic cells, organelles. Cell cycle and cell division.

Cellular transport. Cell communication signal transduction pathways. Cell death.

Structure of nucleic acids. DNA replication. DNA repair. Transcription and translation. Regulation of gene expression. Epigenetics.

Classification of microorganisms: bacteria, viruses, fungi, protozoa. Structure and replication of bacteria and viruses. Growth and culture of microorganisms. Pathogenicity and host defenses.

Antibiotics and resistance. Environmental and clinical microbiology.

### **Medical Genetics and Biotechnology**

Gene structure and gene mutations. Mendelian genetics. Genetic diseases. Gene mapping and mutation research. Chromosomal aberrations and cytogenetics. Functional genomics.

Molecular biology techniques: PCR, gene cloning, CRISPR-Cas9. Recombinant technologies: construction and use of recombinant DNA, protein expression. Genetic engineering: genetic modification, genetically modified organisms (GMOs).

### **Human Pathophysiology (physiology, pathology, immunology)**

Histology: characteristics of human cells and tissues. Cellular physiology: homeostasis, membrane transport, action potential. Human physiology and anatomy: organs and systems. Comparative anatomy of laboratory animals. Etiology and pathogenesis: causes of diseases, molecular and cellular mechanisms of pathogenesis. Tissue damage and adaptive responses. Inflammation. Repair of lesions and regeneration. Pathophysiology of hemostasis, hematopoietic system, cardiovascular system, endocrine system. Neoplasms.

Innate and adaptive immune system. Immune response: activation and regulation of cellular and humoral responses. Hypersensitivity and autoimmunity. Tumor immunology. Vaccination and immune memory.

### **Request for a personalised test for candidates with a disability, impairment, or SLD diagnosis**

Candidates with disabilities, impairments, or specific learning disabilities (SLD), pursuant to Article 16 of Legge (Law) no. 104/1992 and Legge (Law) no. 170/2010, may request an admission test with additional time and/or personalised support by making an express request to the Student Service Office - Inclusion Unit. To this end, interested candidates must **send an email** to [inclusione.studenti@unipd.it](mailto:inclusione.studenti@unipd.it) **by no later than 11:59 pm (GMT+1) on 7 March 2025.**

**Candidates with a disability, invalidity, or SLD from EU and non-EU countries residing abroad** who wish to benefit from personalised support must submit a legalised certificate, where provided for under current international rules and regulations, attesting their disability, invalidity, or SLD condition. The certificate must be issued in their country of residence, accompanied by a sworn translation or a translation certified by the Italian diplomatic services as conforming to the original text, either in Italian or English. The Student Service Office - Inclusion Unit, which is in charge of examining these certificates, shall ascertain that the foreign documentation certifies a condition of invalidity, disability, or SLD recognised by Italian law.

**Candidates with a disability, invalidity, or SLD from EU and non-EU countries residing abroad and holding an Italian certification** must attach what follows:

- **civil invalidity certificate and/or a certificate** pursuant to Legge (Law) no. 104 of 1992 issued by the medical committee for the relevant area, proving the type of disability (NO OMISSIONS) and, where applicable, the recognised percentage of invalidity.
- **certificate of SLD diagnosis** issued no more than 3 years before, if prior to the candidate's eighteenth birthday, or if subsequent to the candidate's eighteenth birthday, by state-run local health facilities or entities and professionals accredited with the regional health service. Where not already specified in the diagnosis, ask the accredited private facility for their accreditation code/no. In accordance with the provisions of the "Guidelines on Specific Learning Disorders" annexed to DM (Italian Ministerial Decree) no. 5669 of 12 July 2011, candidates with SLDs are granted additional time equal to a maximum of 30 per cent more than that defined for the admission test.
- Candidates with SLDs may request additional time and/or customised support with the medical certification they possess, even if it has expired. The new documentation, updated for the cycle of university studies, must be sent to [inclusione.studenti@unipd.it](mailto:inclusione.studenti@unipd.it) by no later than 30 September 2025.

- valid **identity or identification document**.

The requested supports and/or aids may be granted after an appropriate assessment has been made by the Student Service Office – Inclusion Unit. No later than the day before the test, candidates will be notified via email of any support and/or aids provided. The email will be sent by the Student Service Office - Inclusion Unit, [inclusione.studenti@unipd.it](mailto:inclusione.studenti@unipd.it).

In case of particularly complex condition, we suggest candidates they request an interview with dedicated staff, using the appropriate online appointment form [t](https://web.unipd.it/prenotazioniservizi/settore-inclusione/), to make their individual needs known:

<https://web.unipd.it/prenotazioniservizi/settore-inclusione/>

Further information is available at [www.unipd.it/accoglienza-prove-ingresso](http://www.unipd.it/accoglienza-prove-ingresso).