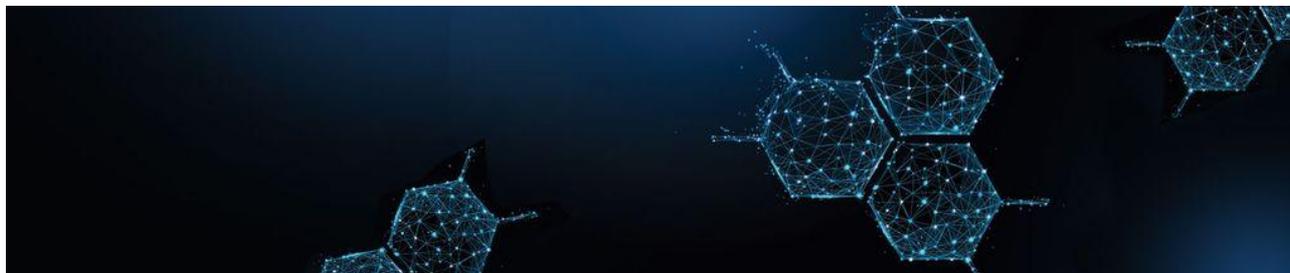


Master's degree in Medical Biotechnologies
Call for applications for EU and EU-equated students
Instructions for candidates holding a foreign qualification



School: Medicine

Duration: 2 years (120 ECTS)

Study location: Padua, Italy

Programme structure:

unipd.it/en/medical-biotechnologies

Programme coordinator: Sara Richter

Contacts: internationaldesk.medicinachirurgia@unipd.it

Department: Molecular Medicine

Start date: October

Teaching mode: In-person teaching

Language: English

Application period: 15 July 2026 - 25 August 2026

Selection: EU and EU equated citizens

Available Places: 55 (including candidates with foreign and Italian qualification)

The following selection processes apply to **EU and EU-equated citizens** with a foreign qualification:

1. candidates with EU nationality, including dual citizenship (non-EU and EU) and citizens of Iceland, Liechtenstein, Norway, Switzerland, San Marino;
2. non-EU candidates holding a valid Italian residence permit which allows enrolment at university as per existing regulations or EU long-term residence permit.

Non-EU candidates residing abroad (study visa applicants): refer to the specific *Call for applications*.

Candidates with Italian qualifications: consult the *Annex* for students with Italian qualifications, regardless of citizenship.

Entry requirements:

- A minimum three-year **undergraduate degree** (or equivalent) to be obtained by September 30, 2026. The eligibility of the degree is assessed as specified at: unipd.it/en/how-apply; unipd.it/en/entry-title-requirements. **Specific curricular requirements** indicated in the **admission requirements** section must be met.
- **English language: B2 level** (CEFR) or equivalent to be achieved by August 25, 2026. The full list of accepted certificates, minimum scores and exemptions is available at: <https://www.unipd.it/en/language-requirement>

Entry test

- On-site **admission test**.

More information can be found in the **Selection criteria and procedure** section.

Application procedure:

Applications must be submitted starting from **July 15, 2026** via the online application platform for international students: <https://apply.unipd.it/>

1. Register on apply.unipd.it;
2. Sign in and complete your application; make sure to fill in all the fields and upload all necessary documents;
3. Pay the € 60.00 application fee. The application fee is not refundable;
4. Submit the application by clicking on the *Submit* button by **August 25, 2026** (11:59 am - local time - GMT+2).

Paying the application fee and/or filling out the application does not give the right to be considered for the selection round if the application has not been confirmed and submitted through [apply.unipd.it](https://www.unipd.it) by August 25, 2026 (11:59 am local time GMT+2).

Required documents:

In order to submit your application, you will need to upload the following documents:

- Valid **Identity document** or **Passport**;
- **Academic transcript of records** with the full list of exams taken, the grades obtained and the grading scale and **Bachelor's degree diploma** (if already obtained). Please verify country-based specific entry title requirements at the following link: <https://www.unipd.it/en/entry-title-requirements>;
- **Official translations in Italian or in English** if academic documents are issued only in a language other than Italian/English;
- **English language proficiency certificate** of at least **B2 level** (CEFR) (if already obtained). The full list of accepted certificates, minimum scores and exemptions is available at the following link: <https://www.unipd.it/en/language-requirement>;
- Curriculum Vitae

If not possessed at the application stage, the proof of **English language proficiency** of at least **B2 level** (CEFR) and the **Bachelor's degree diploma** must be obtained and submitted by:

- **August 25, 2026** for the proof of English language proficiency of at least B2 level (CEFR);
- **September 30, 2026** for the Bachelor's degree diploma.

If you are admitted to the degree programme¹, to complete enrolment you will have to submit one of the following documents by **October 31, 2026**:

- **Legalisation** of academic documents by the **Italian Embassy/Consulate** of the Country of degree issuance;
- **Apostille** affixed by the competent authority for [Hague Convention member Countries](#);
- **Statement of verification** issued from CIMEA obtained, upon payment, through a [MyDiplome account](#).

The Statement of Comparability of the Bachelor's degree issued by CIMEA may be requested if further verification of the qualification is deemed necessary. The certification can be obtained upon payment through a [MyDiplome account](#).

Admission requirements:

A minimum three-year undergraduate degree (or equivalent) in **Biotechnologies, Biology, Chemistry, Medicine and Surgery, Technical Health Profession** or related fields, with proven competencies in the following disciplinary areas: **Physiology, Applied Biology, Pharmacology, Human Anatomy, Histology, General Pathology, Microbiology and Clinical Microbiology, Experimental Physics, Applied Physics, Biochemistry**.

Selection criteria and procedure:

The ranking is drawn up in descending order of score based on the admission test, in accordance with the Academic Regulations.

In case of a tie in scores, priority is given to the younger candidate.

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

The committee will only consider credits of the entry qualification already obtained at the time of application and may conduct an online interview to assess the candidate's competencies.

¹ The activation of the first year of the study programmes is subject to their accreditation in accordance with Ministerial Decree 1154/2021 'Self-assessment, evaluation, initial and periodic accreditation of campuses and study programmes'. Therefore, the programme will not be activated if it is not accredited. The activation of any curricula is also subject to the enrolment of a minimum number of 5 students for each of them.

Admission to the degree program is subject to meeting the entry requirements, the eligibility of the entry qualification, and successful completion of the admission test. Candidates who do not meet the admission requirements will not be able to access the degree programme, even if they pass the entrance test and are placed in a position that qualifies them for admission to the ranking list.

Admission test procedure:

Through the admission test, candidates' individual level of preparation is assessed. The admission test will be held on **September 2, 2026 at 2:30 pm (local time, GMT+2)**.

From August 28, 2026 a document with all the information needed to take the test will be published on the following webpage: <https://www.unipd.it/ammissioni-med-medicalbio>, including:

- the exact time candidates must report;
- the building and classroom assigned;
- any other relevant information and possible updates.

Please note: publication on this webpage is considered official communication to all candidates.

Candidates must bring a valid personal identification document to the test. Candidates who arrive after the test has started will not be allowed to take the test.

Information about the Committee and the rules for taking the test is available on the following webpage: www.unipd.it/avvisi-ammissione-corsi.

The test, administered in English, consists of **40 multiple-choice questions** (only one correct answer) on the following topics:

Sections	Number of questions
Mathematics, Physics, and Medical Statistics	40
Chemistry (General Chemistry and Biochemistry)	
Biology (Cell Biology, Molecular Biology, Microbiology)	
Medical Genetics and Biotechnology	
Human Pathophysiology (Physiology, Pathology, Immunology)	

The maximum time allowed to complete the test is **40 minutes**.

The admission test score is based on the following criteria:

- 1 point for each correct answer
- minus 0.1 points for each incorrect answer
- 0 points for each unanswered question.

Request for a personalised test:

Candidates with a **disability**, 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 customised support, by attaching the following documentation to the dedicated task on the application platform apply.unipd.it by August 25, 2026:

- certificate issued by the competent medical authority in the country of residence proving the type of disability and, where applicable, the recognised percentage of disability²;
- certificate of SLD diagnosis issued by local healthcare facilities, institutions or professionals accredited in the country of residence.³ If issued before the age of 18, the diagnosis must not be more than 3 years old or must refer to the last cycle of studies. In case of completion of enrollment, the updated documentation, issued after reaching the age of majority, must be sent to inclusionone.studenti@unipd.it by September 30, 2027;
- Sworn translation into Italian or English and legalisation of the documentation submitted.

The Student Service Office - Inclusion Unit, which is in charge of examining these certificates, shall ascertain that the documentation certifies a condition of disability or SLD recognised by Italian law. Candidates will be able to check within the test delivery platform whether they have been assigned some special support⁴. Additional time may be granted: up to 50% more for disabilities, 30% for SLD⁵.

You can request an interview with the Inclusion Unit via the following link: [unipd.it/prenotazioniservizi/settore-inclusione/](https://www.unipd.it/prenotazioniservizi/settore-inclusione/)
More information is available at: [unipd.it/en/resources-and-supports-students-disability-or-learning-disabilities](https://www.unipd.it/en/resources-and-supports-students-disability-or-learning-disabilities)

Selection results and acceptance:

The ranking list will be published at: www.unipd.it/en/assessment-results from **September 14, 2026**.

- Selected candidates will receive an **admission offer** via the application platform with instructions and a deadline for acceptance;
- To accept the offer, candidates must pay the **admission fee** by the given deadline. The current amount (€ 205) comprises the regional tax for the right to education and the revenue stamp. This amount is subject to annual updates by the Veneto Region. The admission fee is non-refundable.

Candidates who do not yet hold their entry qualification or proof of English language proficiency when selected are admitted conditionally and are required to submit the missing documents no later than:

- August 25, 2026 for the proof of English language proficiency of at least B2 level (CEFR);
- September 30, 2026 for the Bachelor's degree diploma.

Candidates who fail to meet the deadlines to accept the admission offer, pay the admission fee, or fulfill and submit the required documents will lose their place in the ranking list. Any forfeited place will be awarded to the next eligible candidate in the ranking.

Enrolment procedures will be fully completed after the verification of the authenticity of the required documents and the fulfilment of all conditions for enrolment eligibility. For further information, please check:

www.unipd.it/en/study-english-how-enrol.

Student administration and support

Funding and Fees

Annual fees up to € 3,000 (3 instalments).

Information on the contribution required for enrolment available at: <https://www.unipd.it/en/tuition-fees>

Information on scholarships and fee-waivers for international students available at:

<https://www.unipd.it/en/scholarships-international-students>

² If the documentation has been issued in Italy, certificate of civil disability and/or certification according to Law No. 104 of 1992 must be issued by the competent medical commission for the territory.

³ If the documentation has been issued in Italy, the diagnosis must be issued by public local health structures or by entities and professionals accredited with the regional health service and, if not specified, accompanied by a document proving the code, accreditation number, or conformity of the diagnosis. Personalized Educational Plans (PEP) are not accepted under any circumstances.

⁴ Under no circumstances are tools such as dictionaries and/or vocabularies, formularies, periodic tables of elements, concept maps, computers (other than those used to take the test), tablets, smartphones, smart glasses and other similar tools permitted.

⁵ In accordance with the provisions of the 'Guidelines on specific learning disorders' attached to Ministerial Decree no. 5669 of 12 July 2011.

Supports for students with disability or learning disabilities

Information on resources and supports for students with disabilities or learning disorder (SLD) available at: <https://www.unipd.it/en/resources-and-supports-students-disability-or-learning-disabilities>

Recognition of previous studies

Information on credits recognition available at: <https://www.unipd.it/en/credit-recognition>

The evaluation methods for previous academic careers, the admission criteria for each year of the course, and the procedures for the rankings for admission to years subsequent the first are listed in the didactic regulation of the course (Articles 9 and 10).

The number of places available in the second and third years for each course will be published on the page:

<https://www.unipd.it/avvisi-ammissione-lauree-magistrali>

Information on the processing of personal data

Personal data shall be processed in compliance with the principles and provisions of EU Regulation 2016/679 (General Data Protection Regulation) and for the sole purposes of competition procedure. For detailed information:

<http://www.unipd.it/privacy>

Dispute resolution

This call for applications is translated into English for informational purposes only. Should any disputes arise and for all legal purposes, only the Italian version shall be considered valid. For anything not specified in this Call for admission, reference should be made to the applicable Italian legislation.

Final provisions

The person responsible for the administrative selection procedure and for the procedure for accessing documents is Dr Mattia Gusella, Head of the Global Engagement Office.

For further information please email international.admission@unipd.it

Padua, *date of registration*

THE RECTOR

Prof.ssa Daniela Mapelli

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

SYLLABUS

Mathematics, Physics, and Medical Statistics

Elements of mathematical logic and set theory. Real-valued functions of a real variable. Functions of several variables. Differential and integral calculus. Elements of geometry and linear algebra. Units of measurement, reference frames, and vectors. Mechanics: forces, motion, and laws of dynamics. Fluid mechanics. Thermodynamics: energy, heat, work, and the laws of thermodynamics. Electromagnetism: electric and magnetic fields; electric currents. Wave physics and principles of optics. Descriptive statistics. Statistical inference and hypothesis testing. Differences between two 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 and their organelles. Cell cycle and cell division. Cellular transport. Cellular communication and 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 analysis. 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 disease, molecular and cellular mechanisms of pathogenesis. Tissue injury and adaptive responses. Inflammation. Repair and regeneration. Pathophysiology of hemostasis, the hematopoietic system, the cardiovascular system, and the endocrine system. Neoplasms. Innate and adaptive immune systems. Immune response: activation and regulation of cellular and humoral responses. Hypersensitivity and autoimmunity. Tumor immunology. Vaccination and immunological memory.