



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

A.Y. 2024/2025
SCUOLA DI SCIENZE

CALL FOR ADMISSION

Master's degree programmes with unlimited access and admission requirements

*Instructions for those with a qualification obtained in **Italy***

- **BIOLOGIA SANITARIA**
- **BIOTECNOLOGIE INDUSTRIALI**
- **CHIMICA**
- **CHIMICA INDUSTRIALE**
- **GEOLOGIA AMBIENTALE E DINAMICA DELLA TERRA**
- **SCIENZE STATISTICHE**
- **ASTROPHYSICS AND COSMOLOGY**
- **COMPUTATIONAL FINANCE**
- **COMPUTER SCIENCE**
- **CYBERSECURITY**
- **DATA SCIENCE**
- **ENVIRONMENTAL SUSTAINABILITY AND EDUCATION**
- **EVOLUTIONARY BIOLOGY**
- **GEOPHYSICS FOR NATURAL RISKS AND RESOURCES**
- **MARINE BIOLOGY**
- **MATERIALS SCIENCE**
- **MATHEMATICS**
- **MOLECULAR BIOLOGY**
- **PHYSICS**
- **PHYSICS OF DATA**
- **QUANTITATIVE AND COMPUTATIONAL BIOSCIENCES**
- **SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR**

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SUMMARY OF DEADLINES FOR THE YEAR 2024

| | |
|--|---|
| PRE-ENROLMENT on Uniweb | From 16 July to 12 noon on 30 September |
| APPLICATION FOR THE ASSESSMENT OF THE MINIMUM CURRICULAR REQUIREMENTS | From the end of July ¹ to 12 noon on 31 October |
| ENROLMENT on Uniweb | From 3 pm on 16 July to 12 noon on 31 October . |

Further window:

| | |
|--|---|
| PRE-ENROLMENT on Uniweb | From 12 noon on 31 October 2024 to 12 noon on 31 January 2025 |
| APPLICATION FOR THE ASSESSMENT OF THE MINIMUM CURRICULAR REQUIREMENTS | From 12 noon on 31 October 2024 to 12 noon on 31 January 2025 |
| ENROLMENT on Uniweb | From 3 pm on 31 October 2024 to 12 noon on 15 January 2025 . |

¹ The exact date for the opening of the procedure will be announced on 16 July at: www.unipd.it/node/87721

N.B.: this document is the English translation of the Call for admission for Master's degrees with unlimited places and admission requirements, at the Scuola di Scienze.

The Call for admission is available in Italian at www.unipd.it/ammissioni-scienze-magistrali. If there is any dispute regarding the interpretation of the two versions, the Italian version shall take precedence

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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

Prospective students can now apply for admission to the first year of the Master's degrees with **unlimited access and admission requirements** at the Scuola di Scienze² for the academic year 2024/25.

Programmes normally run for 2 years and a Master's degree is awarded at the end of the chosen degree programme.

Information on ongoing course units and Syllabus Regulations can be found at <https://didattica.unipd.it/off/2024/LM/SC>, by selecting the degree programme of interest.

Students can apply to register on a part-time basis due to family, work, or health reasons for all the degree programmes in this call. Further information is available at www.unipd.it/contribuzione-agevolazioni.

Students with disabilities or specific learning disability (SLD) can contact the Student Service Office – Inclusion Unit (inclusione.studenti@unipd.it) to report any need for information on attendance support services and financial subsidies (www.unipd.it/risorse-supporti-studenti-disabilita-dificolta-apprendimento).

1.1 Degree programmes, venues and available places

| COURSES IN ITALIAN | | | |
|---|-----------------------------------|-----------|---|
| Master's Degree Class Ministerial Decree 270/2004 | MASTER'S DEGREE PROGRAMME | VENU E | Places available for EU citizens or equivalent* |
| LM-6 | Biologia Sanitaria | Padua | Unlimited access with admission requirements |
| LM-8 | Biotechnologie Industriali | Padua | Unlimited access with admission requirements |
| LM-71 | Chimica Industriale | Padua | Unlimited access with admission requirements |
| LM-82 | Scienze Statistiche | Padua | Unlimited access with admission requirements |

² The activation of the first year of degree programmes is subject to their accreditation according to the provisions of D.M (Italian Ministerial Decree) 1154/2021 "Self-assessment, assessment, initial and periodic accreditation of venues and degree programmes" and to the achievement of a minimum number of pre-enrolments; therefore, if the Degree programme is not accredited or if the number of pre-enrolment applications submitted is less than 15 (5 for each curriculum), the Degree programme will not be activated. All the information relating to the activation of the degree programme is published at <http://www.unipd.it>. The minimum number of enrolments indicated does not apply to newly established, professional training and interuniversity degree programmes.

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MASTER'S DEGREE PROGRAMMES WITH UNLIMITED ACCESS AND ADMISSION REQUIREMENTS

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DEGREE PROGRAMMES IN ITALIAN AND IN ENGLISH (BASED ON THE CURRICULUM)

| Master's Degree Class Ministerial Decree 270/2004 | MASTER'S DEGREE PROGRAMME | VENUE | Places available for EU citizens or equivalent* |
|--|---|-------|---|
| LM-54 | Chimica <i>Curricula:</i> <ul style="list-style-type: none"> ● Chemistry ● Chemistry ● Complex and data-driven chemistry | Padua | Unlimited access with admission requirements |
| LM-74 | Geologia ambientale e dinamica della terra <i>Curricula:</i> <ul style="list-style-type: none"> ● Geology applied to soil and environmental protection ● Earth Dynamics | Padua | Unlimited access with admission requirements |

DEGREE PROGRAMMES IN ENGLISH

| Master's Degree Class Ministerial Decree 270/2004 | MASTER'S DEGREE PROGRAMME | VENUE | Places available for EU citizens or equivalent* |
|--|--|---------------|---|
| LM-17 and LM-58 | Astrophysics and Cosmology <i>Curricula:</i> <ul style="list-style-type: none"> ● Theory and modelling ● Observations, experiments, and interpretation | Padua | Unlimited access with admission requirements |
| LM-16 | Computational Finance | Padua | Unlimited access with admission requirements |
| LM-18 | Computer Science | Padua | Unlimited access with admission requirements |
| LM-66 | Cybersecurity | Padua | Unlimited access with admission requirements |
| LM-Data | Data science <i>Curricula:</i> <ul style="list-style-type: none"> ● Data Science ● BDMA ● TMDS | Padua | Unlimited access with admission requirements |
| LM-60 | Environmental Sustainability and Education | Padua | Unlimited access with admission requirements |
| LM-6 | Evolutionary Biology | Padua | Unlimited access with admission requirements |
| LM-79 | Geophysics for Natural Risks and Resources | Padua | Unlimited access with admission requirements |
| LM-6 | Marine Biology | Chioggia (VE) | Unlimited access with admission requirements |

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MASTER'S DEGREE PROGRAMMES WITH UNLIMITED ACCESS AND ADMISSION REQUIREMENTS

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|----------|---|-------|--|
| LM-ScMat | Materials Science <i>Curricula:</i> <ul style="list-style-type: none"> • Materials Science • Materials Science DD | Padua | Unlimited access with admission requirements |
| LM-40 | Mathematics <i>Curricula:</i> <ul style="list-style-type: none"> • Mathematics • MAPPA • ALGANT | Padua | Unlimited access with admission requirements |
| LM-6 | Molecular Biology <i>Curricula:</i> <ul style="list-style-type: none"> • Bioenergetics and Metabolism • Integrative Plant Biology • Molecular Biology • Génétique Moléculaire | Padua | Unlimited access with admission requirements |
| LM-17 | Physics <i>Curricula:</i> <ul style="list-style-type: none"> • Physics of the fundamental interactions • Physics of matter • NuPhys - Nuclear Physics • Interdisciplinary Physics | Padua | Unlimited access with admission requirements |
| LM-17 | Physics of Data | Padua | Unlimited access with admission requirements |
| LM-6 | Quantitative and Computational Biosciences | Padua | Unlimited access with admission requirements |
| LM-71 | Sustainable Chemistry and Technologies for Circular Economy <i>Curricula:</i> <ul style="list-style-type: none"> • Resources and product design and recycling • Energy conversion and storage | Padua | Unlimited access with admission requirements |

*The places for students with foreign entry qualification are assigned in the dedicated selections. For more information, see: www.unipd.it/studiare-italiano-come-fare-domanda. For any clarification, write to: international.admission@unipd.it.

1.2 Admission requirements

To be admitted, candidates³ must:

1. have obtained a Bachelor's degree, a single-cycle degree, a three-year university bachelor's diploma or another qualification awarded in Italy and recognised as suitable under current legislation, **by 31 October 2024** or, during the year, **by 31 January 2025**;

³ Hereinafter, the terms that relate to people are in the masculine form, for the sole purpose of ensuring better readability of the text, but refer indiscriminately to all genders.

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2. be in possession of the specific minimum curricular requirements and knowledge, competences and abilities, as indicated in the [data sheets](#) attached to this notice for each degree programme. Prospective students are advised to read the full description in Article 2, paragraph 1, of the relevant Syllabus Regulations. The full information sheet on the degree programme and the Syllabus Regulations is available at didattica.unipd.it, by selecting the degree programme of interest;
3. **pre-enrol** by the set deadlines ([point 2](#));
4. submit an application for the **assessment of the minimum curricular requirements** by the indicated deadlines ([point 3](#)).
5. **enrol**, submit an application for a change of course or incoming transfer **from 16 July** (or from the date that the minimum number of pre-enrolments is reached, if later) **by 12:00 noon on 31 October 2024** ([point 4.1](#)).
An additional enrolment period is provided for during the year, **from 12 noon on 31 October 2024 to 12 noon on 15 February 2025** ([point 4.2](#)).

2. REGISTRATION AND PRE-ENROLMENT ON THE UNIWEB PORTAL

2.1 Registration on the Uniweb portal

If you are logging into Uniweb for the first time, you must create a new user account at www.uniweb.unipd.it by clicking *Menu* → *Registration*.

At the end of the registration process, candidates will receive an email with a username and an activation code to log in to uniweb.unipd.it/password/index.php/it/utenti/identifica/azione/a, where they will be asked to set up three security questions and a password. With the username obtained and the password set, candidates can log in to their personal area.

Students can also register with the www.uniweb.unipd.it portal using SPID credentials by clicking on *Menu* → *Registration with SPID*.

In the event of problems with logging in, please contact the University Call Centre (www.unipd.it/callcentre).

N.B.: the personal email address included in the Uniweb profile is the communication channel that will be used to communicate deadlines and to provide instructions for access to the degree programme. Emails sent for this purpose count as an official communication.

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2.2 Online pre-enrolment

To pre-enrol, you must:

1. log in with your credentials at www.uniweb.unipd.it, click on *Educational Offer* → *Pre-enrolment with unlimited access* → Type “*Master's Degree Programme*” and select the degree programme of interest ([point 1.1](#));
2. enter the degree qualification to be used to access the degree programme, if not already on the system.

Students enrolled at the University of Padua who are about to graduate can only complete the pre-enrolment after submitting their application for the degree award online. If this application has not been submitted yet, in order to proceed, candidates will need to write to immatricolazioni.studenti@unipd.it to explain their situation, attaching a valid identity document.

3. at the same time, pay the pre-enrolment fee of 30.00 euro via the PagoPA procedure (instructions on www.unipd.it/pago-pa).

Prospective students can apply for pre-enrolment on one or more programmes among those indicated in this call. For each pre-enrolment, to be submitted by the deadlines indicated in points [2.2.1](#) and [2.2.2](#), you need to follow the instructions in the three indicated points and submit the application for the curricular requirements to be assessed ([point 3](#)).

Contacts and assistance: www.unipd.it/immatricolazioni and www.unipd.it/callcentre

2.2.1 Deadlines – candidates graduating by 31 October 2024

To be able to submit the application for enrolment, change of course, or incoming transfer by 31 October 2024 for all the courses in this call ([point 4.1](#)), the application for pre-enrolment must be completed online, through the Uniweb portal, as set out in [point 2.2](#)

from 3 pm on 16 July to 12 noon on 30 September 2024.

2.2.2 Deadlines – Pre-enrolment during the year

In order to be able to submit the application for enrolment during the year by 15 February 2024 ([point 4.2](#)), there will be an additional time window for pre-enrolment online ([point 2.2](#)):

from 12 noon on 31 October 2024 to 12 noon on 31 January 2025

This additional time window for pre-enrolment **is not available** for degree programmes in:

- Biologia Sanitaria
- Biotecnologie Industriali
- Evolutionary Biology
- Marine Biology
- Molecular Biology

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Therefore, students graduating between 1 November 2024 and 31 January 2025 who intend to enrol in the specified programmes must also submit their pre-enrolment application by 30 September 2024.

N.B.: candidates who use this time window for pre-enrolment will only be able to gain entry to the programmes through standard enrolment (**course change** and **incoming transfer** procedures will only be available until **31 October 2024, 12:00 noon**).

3. ASSESSING THE MINIMUM CURRICULAR REQUIREMENTS

To be admitted to your chosen degree programme, you need to be in possession of the specific minimum curricular requirements and knowledge, competencies, and abilities, verified as set out for each degree programme ([appendix 1](#)). Anyone intending to apply for entry to more than one degree programme must submit an application for the assessment of the minimum curricular requirements (in addition to the related pre-enrolment) for each degree programme of interest.

3.1 Procedure and deadlines – candidates graduating by 31 October 2024

In order to be able to take advantage of the first window for enrolment ([point 4.1](#)), applications for the assessment of the minimum curricular requirements must be submitted and confirmed:

by 12 noon on 31 October 2024.

Instructions for submitting the application for the assessment of the minimum curricular requirements online and the **date for the opening of the procedure** will be published on 16 July 2024 at: www.unipd.it/node/87721.

To access the portal and submit your application, you must have completed your pre-enrolment in the first available time window, by **30 September 2024** ([point 2](#)).

Suitability for enrolment can only be attributed after registering the entry qualification details (mark and date of attainment) Registration will take place automatically for graduates who obtain an entry qualification from the University of Padua; graduates from other universities will instead have to update their degree details in the Uniweb personal area in the *Educational Offer* → *Qualifications* section.

Contacts

- for assistance in **using the portal** for the application for assessment of curricular requirements
- for information on the assessment of your studies (clarification of **examinations taken** and possible **certificates**)
- for information on the **timescale** and **status of the application** after it has been submitted and confirmed

www.unipd.it/backoffice-carriere-studenti - scienze.studenti@unipd.it

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3.2 Procedure and deadlines – Assessment of the minimum curricular requirements during the year

To be able to submit the application for enrolment during the year by 15 February 2024 ([point 4.2](#)), there will be **an additional time window** for submitting and confirming the application for the assessment of the minimum curricular requirements:

from 12 noon on 31 October 2024 to 12 noon on 31 January 2025.

Instructions on how to apply online to have the minimum curricular requirements assessed and any special cases are available at the following link: www.unipd.it/node/87721.

To access the portal and submit your application, you must have completed your pre-enrolment in one of the two available time windows (for programmes that allow it) as indicated in [point 2](#).

This additional time window is available for all degree programmes ([point 1.1](#))

N.B.: the **course change** and **incoming transfer** procedures are not available for candidates submitting their application for the assessment of the minimum curricular requirements using this time window.

Suitability for enrolment can only be attributed after registering the entry qualification details (mark and date of attainment) Registration will take place automatically for graduates who obtain an entry qualification from the University of Padua; graduates from other universities will instead have to update their degree details in the Uniweb personal area in the *Educational Offer* → *Qualifications* section.

Contacts and assistance

- for information on the **use of the portal** for the application for assessment of curricular requirements
- for information on the assessment of your studies (clarification of **examinations taken** and possible **certificates**)
- for information on the **timescale** and **status of the application** after it has been submitted and confirmed

www.unipd.it/backoffice-carriere-studenti - scienze.studenti@unipd.it

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4. ENROLMENT, CHANGE OF COURSE, AND TRANSFER FROM ANOTHER UNIVERSITY

4.1 Procedure and deadlines – candidates graduating by 31 October 2024

To enrol, change course, or transfer from another University for all the degree programmes in this call, candidates must:

- have submitted an application for pre-enrolment ([point 2](#)) **by 30 September 2024**;
- have checked the registration of the entry qualification details in the Uniweb personal area. These details will be registered automatically for graduates from the University of Padua, whereas graduates from other universities will need to fill in the details manually in the section *Home* → *Qualifications*;
- have submitted an application for the assessment of the minimum curricular requirements **by 31 October 2024** ([point 3](#)) and have obtained the outcome “eligible” (visible within pre-enrolment in each user’s reserved area in Uniweb).

Applications for enrolment or transfer from another university must be submitted
from 3 pm on 16 July to 12 noon on 31 October 2024.

Applications for changing course must be submitted:
from 3 pm on 2 September to 12 noon on 31 October 2024.

Registration procedures in the different cases (including the main ones: standard enrolment, course change, and transfer from another university) can be found in the following document:
www.unipd.it/node/85793.

N.B.: failing to comply with the deadlines and terms of the set out procedures and concurrently pay the first instalment will constitute a waiver of the entry to the chosen Master's Degree Programme.

All registration procedures will be effective only after completion by the Student Office - Enrolment and Admission Testing Unit; notification of the operation will be given via email sent to the student’s email address registered on the Uniweb portal.

Contacts and assistance: www.unipd.it/immatricolazioni and www.unipd.it/callcentre

4.2 Procedure and deadlines – enrolment during the year

This time window for enrolment is available for all degree programmes ([point 1.1](#)).

In order to enrol, candidates must:

- have submitted an application for pre-enrolment ([point 2](#)) by 30 September 2024 *OR* in the additional pre-enrolment period by 31 January 2025;

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- have checked the registration of the entry qualification details in the Uniweb personal area. These details will be registered automatically for students already enrolled at the University of Padua, whereas graduates from other universities will need to fill in these details manually. The qualification must have been awarded by 31 January 2025;
- have submitted an application for the assessment of the minimum curricular requirements by 31 January 2025 ([point 3](#)) and have obtained the outcome “eligible” (visible within pre-enrolment in each user’s personal area in Uniweb).

In the enrolment period during the year, candidates can only submit an application for enrolment (they cannot submit applications to change course or transfer from another university):

from 12 noon on 31 October 2024 to 12 noon on 15 February 2025.

The procedure for submitting applications for enrolment can be found in the following document:
www.unipd.it/node/85793.

N.B.: failing to comply with the deadlines and terms of the set out procedures and concurrently pay the first instalment will constitute a waiver of the entry to the chosen Master's Degree Programme.

All registration procedures will be effective only after completion by the Student Office - Enrolment and Admission Testing Unit; notification of the operation will be given via email sent to the student’s email address registered on the Uniweb portal.

Contacts and assistance: www.unipd.it/immatricolazioni and www.unipd.it/callcentre

4.3 Fees and benefits

In case of new enrolment, the first instalment of the university fee, for the academic year 2024/25, is 204.00 euro (of which 188.00 euro is the regional tax⁴ for the right to education at university and 16.00 euro is the stamp duty).

Information about instalments, payments, scholarships and any exemptions:
www.unipd.it/contribuzione-benefici

Contacts and assistance:
benefici.studenti@unipd.it

⁴ The amount may vary according to regional provisions.

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5. RECOGNITION OF CREDITS TO SHORTEN THE UNIVERSITY CAREER

Candidates may apply to have the activities and exams they have obtained (including those obtained abroad) - such as single course units or previous university careers - recognised so as not to have to repeat them during their course of study.

However, in order to access the degree programme by means of career shortening, it is necessary to fulfil the requirements and complete all the procedures (including methods and deadlines) as set out in [point 1.2](#) of this call.

Instructions for submitting the application for credit recognition and the period of opening of the procedure will be announced on 16 July 2024 in the following document: www.unipd.it/node/87721.

The university educational credits necessary to achieve the minimum curricular requirements, or those included in the qualification used for admission to the degree programme, **will not be taken into consideration** for shortening the university career.

The appointed teaching committee will issue a credit recognition resolution containing the list of recognised educational activities/credits and the proposed year of admission. After having obtained suitability as regards curricular requirements, candidates can proceed with enrolment, course changes, or incoming transfers **to the first year of the degree programme** as set out in [point 4](#), even if they do not yet have the credit recognition resolution.

Validation/recognition and any updates during the year (for those who will obtain the proposed admission to the second year in their credit recognition resolution) will be added to the online student record book by the relevant Back Office by the first exam session scheduled for the academic year 2024/25, without the need for further procedures or requests.

Contacts and assistance

- for assistance in **using the portal** for credit recognition applications
- for information about **examinations/activities** that can be recognised
- for information about the time and publication status of the resolution
- for information about examinations/activities updates and year in the student career

www.unipd.it/backoffice-carriere-studenti - scienze.studenti@unipd.it

Contacts and assistance

for assistance in enrolment procedures: www.unipd.it/immatricolazioni

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

1. Pursuant to Article 4 of Italian Law 241 of 7 August 1990 (New rules on administrative procedures and right of access to administrative documents) and subsequent amendments, the Programme Coordinator or the Assessment Committee shall be appointed as the person/body responsible for the administrative procedure on admissions.

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2. Person Responsible for the Procedure for Accessing Documents: Director of the Student Office, Ms Maria Chiara Ferraresi.
3. Current legislation on statements: if the documentation submitted by the candidate contains false or untrue statements, without prejudice to the penalties provided for by the Italian Criminal Code and the special laws on the matter (Articles 75 and 76 of Presidential Decree No. 445/2000), the candidate's enrolment shall automatically cease. The University will recover any benefits granted (e.g. scholarships) and will not reimburse for the fees paid. Finally, whoever makes a false statement will be liable to an action for damages by the interested parties.
4. Personal data processing: personal data provided by candidates, collected for the purposes set out in this Call, shall be processed in compliance with the provisions of Regulation (EU) 679 of 27.04.2016 (the General Data Protection Regulation, GDPR), and the policy available at www.unipd.it/informativa-studenti.
5. Simultaneous registration: information is available at www.unipd.it/contemporanea-iscrizione.

Further general information on the current rules and regulations for admission can be found at www.unipd.it/avvisi-ammissione-corsi.

Any changes or additions to the content of this Call for admission will be:

- published in the official register of the University;
- announced on the University's web pages, at www.unipd.it/avvisi-ammissione-corsi

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

Padua, 29/03/2024

THE RECTOR

Prof. Daniela Mapelli

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

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APPENDIX 1 – DEGREE PROGRAMME DESCRIPTIONS AND THE MINIMUM CURRICULAR REQUIREMENTS FOR ADMISSION

The descriptions of the individual degree programmes are listed below and contain information on the minimum curricular requirements required for admission.

Prospective students are advised to read their full description in the **Syllabus** of the chosen degree programme, available in Art. 2, paragraph 1, of the relevant Syllabus Regulations.

Full descriptions of the programmes and the relevant Syllabus Regulations can be found at <https://didattica.unipd.it/off/2024/LM/SC>, by selecting the degree programme of interest.

The procedures to be followed for admission to the degree programmes are summarised in [point 1.2](#) of this notice.

To view the descriptions, scroll through the following pages or click the link corresponding to the degree programme of interest:

DEGREE PROGRAMMES IN ITALIAN

[BIOLOGIA SANITARIA](#)

[BIOTECNOLOGIE INDUSTRIALI](#)

[CHIMICA INDUSTRIALE](#)

[SCIENZE STATISTICHE](#)

DEGREE PROGRAMMES IN ENGLISH

[ASTROPHYSICS AND COSMOLOGY](#)

[COMPUTATIONAL FINANCE](#)

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[SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR CIRCULAR ECONOMY](#)

DEGREE PROGRAMMES IN ITALIAN AND IN ENGLISH (BASED ON THE CURRICULUM)

[CHIMICA](#)

[GEOLOGIA AMBIENTALE E DINAMICA DELLA TERRA](#)

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BIOLOGIA SANITARIA

N.B.: only the pre-enrolment window from 16 July to 30 September 2024 is available for this degree programme, even for those who graduate after 31 October.

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 4 points:**

1. Curricular skills:

Possession of knowledge and skills in the following subjects – assessed *through an analysis of the curriculum or syllabuses relating to each subject*: **Biologia cellulare, Biologia molecolare, Biochimica, Genetica, Fisiologia, Immunologia**

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **100/110** or equivalent

3. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university, belonging to class **L-2 or L-13**, (DM [Italian Ministerial Decree] 270/2004) or class **1 or 12** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*: possession of a degree awarded in any **Italian university** belonging to **any class** and possession of at least **65 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|--------------------------|---|
| At least 15 ECTS credits | FIS/01 to 08, INF/01, MAT/01 to 09, CHIM/02,03,06 |
| At least 10 ECTS credits | BIO/06,13 |
| At least 28 ECTS credits | BIO/10,11,18,19 |
| At least 12 ECTS credits | BIO/09; MED/04 |

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at <https://www.scienze.unipd.it/requisiti-inglese-lm/>, where all the information is available.

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BIOTECNOLOGIE INDUSTRIALI

N.B.: only the pre-enrolment window from 16 July to 30 September 2024 is available for this degree programme, even for those who graduate after 31 October.

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points**:

1. Final graduation mark used for entry to the degree programme:

Higher than or equal to **95/110** or equivalent

2. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-2** (DM [Italian Ministerial Decree] 270/2004) or class **1** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging to **any class** and possession of at least **50 ECTS credits**, divided into the following University Scientific Areas (SSDs):
BIO/01 to 19; CHIM/01 to 12

** To read the required SSDs, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.*

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at <https://www.scienze.unipd.it/requisiti-inglese-lm/>, where all the information is available.

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CHIMICA

Curricula: • Chemistry • Chemistry* • Complex and data driven chemistry

* international curriculum, entry to which is through a specific selection procedure. More information about the international programmes of the Scuola di Scienze and the relevant selection procedures are available at www.scienze.unipd.it/percorsi_internazionali

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points:**

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous course of study:

Alternative 1: possession of a degree in **Chimica** attained at the **University of Padua**

Or

| | | |
|-----------------------|--|---------|
| Alternative 2: | possession of a degree awarded in any Italian university belonging to any class and possession of at least 50 ECTS credits , divided into the following University Scientific Areas (SSDs) and respecting the following minimums: | |
| | At least 8 ECTS credits | CHIM/01 |
| | At least 14 ECTS credits | CHIM/02 |
| | At least 14 ECTS credits | CHIM/03 |
| | At least 14 ECTS credits | CHIM/06 |

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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CHIMICA INDUSTRIALE

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points**:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

Alternative 1: possession of a degree in **Chimica** or in **Chimica industriale** attained at the **University of Padua**

Or

| | | |
|-----------------------|--|---------|
| Alternative 2: | possession of a degree awarded in any Italian university belonging to any class and possession of at least 50 ECTS credits , divided into the following University Scientific Areas (SSDs) and respecting the following minimums: | |
| | At least 6 ECTS credits | CHIM/01 |
| | At least 13 ECTS credits | CHIM/02 |
| | At least 13 ECTS credits | CHIM/03 |
| | At least 5 ECTS credits | CHIM/04 |
| | At least 13 ECTS credits | CHIM/06 |

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English

Level **B1** or higher

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GEOLOGIA AMBIENTALE E DINAMICA DELLA TERRA

Curricula: • Geology applied to the defence of soil and the environment • Earth Dynamics

To gain entry to the degree programme, you need to meet the requirements described in each of the following 3 points:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous course of study:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-34** (DM (Italian Ministerial Decree) 270/2004) or class **16** (DM 509/1999)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging to **any class** and possession of at least **50 ECTS credits**, divided into the following University Scientific Areas (SSDs):
GEO/01 to 12

* To read the required SSDs, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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SCIENZE STATISTICHE

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 4 points**:

1. Curricular skills:

Analysis of the curriculum and possible completion of a test to be passed with a positive outcome that may include taking a test or an interview.

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

3. Previous studies:

possession of a degree awarded in any Italian university belonging to any class and possession of at least **26 ECTS credits**, divided into the following University Scientific Areas (SSDs): MAT (all areas); SECS-S (all areas); SECS-P/05; M-PSI/03; MED/01

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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ASTROPHYSICS AND COSMOLOGY

Curricula: • Theory and modelling • Observations, experiments, and interpretation

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points**:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

| | |
|-----------------------|---|
| Alternative 1: | possession of a degree awarded in any Italian university belonging to class L-30 (DM [Italian Ministerial Decree] 270/2004) |
|-----------------------|---|

Or

| | |
|------------------------|---|
| Alternative 2*: | possession of a degree awarded in any Italian university belonging to any class and possession of at least 48 ECTS credits, divided into the following University Scientific Areas (SSDs) and respecting the following minimums: |
|------------------------|---|

| | |
|--------------------------|--------------|
| At least 24 ECTS credits | MAT/01 to 09 |
|--------------------------|--------------|

| | |
|--------------------------|--------------|
| At least 24 ECTS credits | FIS/01 to 07 |
|--------------------------|--------------|

* To read the required SSDs, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

| | |
|---|---------------------------|
| English – Listening and reading comprehension | Level B2 or higher |
|---|---------------------------|

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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COMPUTATIONAL FINANCE

To gain entry to the degree programme, you need to meet the requirements described in each of the following 3 points:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

| | |
|-----------------------|--|
| Alternative 1: | possession of a degree from the University of Padua in Economia, Matematica, Informatica, Statistica per l'economia e l'impresa, Statistica per le tecnologie e le scienze |
|-----------------------|--|

Or

| | | |
|------------------------|---|------------------------------------|
| Alternative 2*: | possession of a degree awarded in any Italian university belonging to any class and possession of at least 16 ECTS credits, divided into the following University Scientific Areas (SSDs) and respecting the following minimums: | |
| | At least 10 ECTS credits | MAT/02,03,05,08,09, SECS-S/06 |
| | At least 6 ECTS credits | MAT/06, SECS-S/01 to 03, SECS-P/05 |

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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COMPUTER SCIENCE

To gain entry to the degree programme, you need to meet the requirements described in each of the following 3 points:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

possession of a degree awarded in any Italian university belonging to class **L-8, L-30, L-31, L-35 or L-41** (DM [Italian Ministerial Decree] 270/2004) or class **9, 25, 26, 32 or 37** (DM [Italian Ministerial Decree] 509/1999) and possession of at least **20 ECTS credits** in the following University Scientific Areas (SSDs): INF/01; ING-INF/05

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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CYBERSECURITY

Master's degree (or second-cycle degree) in English

To gain entry to the degree programme, you need to meet the requirements described in each of the following 4 points:

1. Curricular skills:

analysis of the curriculum, with particular attention to the syllabuses relating to programming basics, communication networks and IT systems.

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **84/110** or equivalent

3. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-8 or L-31** (DM (Italian Ministerial Decree) 270/2004)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging to **any class** and possession of at least 42 ECTS credits, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|-----------------------------|-----------------------|
| At least 24 ECTS credits | INF/01; ING-INF/03,05 |
| At least 18 ECTS credits | MAT/01 to 09 |

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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DATA SCIENCE

Curricula: • Data Science • BDMA* • TMDS*

* both BDMA and TMDS international curriculum, entry to which is through a specific selection procedure. More information about the international programmes of the Scuola di Scienze and the relevant selection procedures are available at www.scienze.unipd.it/percorsi_internazionali

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 4 points**:

1. Curricular skills:

analysis of the curriculum, with particular attention to the programmes of course units relating to Mathematics and Computer Science.

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

3. Previous course of study:

possession of a degree awarded in any Italian university belonging to any class and possession of **at least 30 ECTS credits**, divided into the following University Scientific Areas (SSDs)** and respecting the following minimums:

| | |
|--------------------------|------------------------------------|
| At least 12 ECTS credits | MAT/01 to 09; SECS-S/01; SECS-S/06 |
| At least 6 ECTS credits | INF/01; ING-INF/05 |

** To read the required SSDs, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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ENVIRONMENTAL SUSTAINABILITY AND EDUCATION

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points**:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

| | |
|-----------------------|--|
| Alternative 1: | possession of a degree awarded in any Italian university belonging to class L-32 (DM [Italian Ministerial Decree] 270/2004) or class 27 (DM [Italian Ministerial Decree] 509/1999) |
|-----------------------|--|

Or

| | | |
|------------------------|---|---|
| Alternative 2*: | possession of a degree awarded in any Italian university belonging to any class and possession of at least 50 ECTS credits , divided into the following University Scientific Areas (SSDs) and respecting the following minimums: | |
| | At least 15 ECTS credits | INF/01; MAT/01 to 09; FIS/01 to 08; CHIM/03,06 |
| | At least 35 ECTS credits | BIO/01,02,03,04,05,06,07,09,10,18; GEO/01,02,03,04,06,07,08 |

** To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.*

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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EVOLUTIONARY BIOLOGY

N.B.: only the pre-enrolment window from 16 July to 30 September 2024 is available for this degree programme, even for those who graduate after 31 October.

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points:**

1. Final graduation mark used for entry to the degree programme:

Higher than or equal to **95/110** or equivalent

2. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-2, L-13 or L-32** (pursuant to DM [Italian Ministerial Decree] 270/2004) or class **1, 12, or 27** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging to **any class** and possession of at least **66 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|-------------------------|---|
| At least 6 ECTS credits | 6 FIS/01 to 08, INF/01, MAT/01 to 09, CHIM/02,03,06 |
| At least 6 ECTS credits | 6 BIO/01,02,03,05,06,07 |
| At least 6 ECTS credits | 6 BIO/04,10,11,18,19 |
| At least 6 ECTS credits | 6 BIO/09; MED/42 |

** To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.*

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at <https://www.scienze.unipd.it/requisiti-inglese-lm/>, where all the information is available.

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GEOPHYSICS FOR NATURAL RISKS AND RESOURCES

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 4 points**:

1. Curricular skills:

Possession of knowledge and skills in **geological, physical and engineering subjects** assessed through an analysis of the curriculum or syllabuses relating to each subject

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

3. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-30, L-34 or L-35** (DM [Italian Ministerial Decree] 270/2004) or to class **16, 25 or 32** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging to **any class** and possession of at least **50 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|-----------------------------|------------------------------------|
| At least 12 ECTS credits | INF/01; FIS/01 to 07; MAT/01 to 09 |
|-----------------------------|------------------------------------|

| | |
|-----------------------------|--|
| At least 38 ECTS credits | ING-INF/01 to 07; ING-IND/06,09,10,11,12,18,19,20,22,23; GEO/01 to 12; AGR/01,02,08,09,10,13,14,16; ICAR/01,02,03,04,05,06,07,08,09,22 |
|-----------------------------|--|

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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MARINE BIOLOGY

N.B.: only the pre-enrolment window from 16 July to 30 September 2024 is available for this degree programme, even for those who graduate after 31 October.

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points:**

1. Final graduation mark used for entry to the degree programme:

Higher than or equal to **95/110** or equivalent

2. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-2, L-13, L-32 or L-38** (DM [Italian Ministerial Decree] 270/2004) or to class **1, 12, 27 or 40** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging to **any class** and possession of at least **a total of 66 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|-------------------------|---|
| At least 6 ECTS credits | 6 FIS/01 to 08, INF/01, MAT/01 to 09, CHIM/02,03,06 |
| At least 6 ECTS credits | 6 BIO/01,02,03,05,06,07; |
| At least 6 ECTS credits | 6 BIO/04,10,11,18,19; |
| At least 6 ECTS credits | 6 BIO/09, MED/42 |

** To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.*

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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MATERIALS SCIENCE

Curricula: • Materials Science • Materials Science DD*

* international curriculum, entry to which is through a specific selection procedure. More information about the international programmes of the Scuola di Scienze and the relevant selection procedures are available at www.scienze.unipd.it/percorsi_internazionali

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 3 points**:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

Alternative 1: possession of a degree in **Scienze dei materiali** attained at the **University of Padua**

Or

Alternative 2**:

possession of a degree awarded in any **Italian university** belonging to **any class** and possession of at least **50 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | | |
|--------------------------|----|---------------|
| At least ECTS credits | 12 | MAT/01 to 09 |
| At least ECTS credits | 20 | CHIM/01 to 12 |
| At least ECTS credits | 18 | FIS/01 to 08 |

** To read the required SSDs, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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MATHEMATICS

Curricula: • Mathematics • MAPPA* • ALGANT*

* Both "MAPPA" and "ALGANT" are international curricula, entry to which is through a specific selection procedure. More information about the international programmes of the Scuola di Scienze and the relevant selection procedures are available at www.scienze.unipd.it/percorsi_internazionali

To gain entry to the degree programme, you need to meet the requirements described in each of the following 2 points:

1. Grade of Degree used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

2. Previous studies:

Alternative 1: possession of a degree in **Matematica** attained at the **University of Padua**

Or

Alternative 2:** possession of a degree awarded in **any Italian university** belonging to class **L-35** (DM [Italian Ministerial Decree] 470/2004) or class **32** (DM [Italian Ministerial Decree] 509/1999) and possession of at least **50 ECTS credits**, divided into the following University Scientific Areas (SSDs):
MAT/02,03,05,06,07,08

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

3. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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MOLECULAR BIOLOGY

**Curricula: • Bioenergetics and Metabolism • Integrative Plant Biology • Molecular Biology •
 Molecular genetics***

* international curriculum, entry to which is through a specific selection procedure. More information about the international programmes of the Scuola di Scienze and the relevant selection procedures are available at www.scienze.unipd.it/percorsi_internazionali

N.B.: only the pre-enrolment window from 11 July to 30 September 2024 is available for this degree programme, even for those who graduate after 31 October.

To gain entry to the degree programme, you need to meet the requirements described **in each of the following 4 points:**

1. Curricular skills:

Possession of knowledge and skills in the following subjects – *assessed through an analysis of the curriculum or syllabuses relating to each subject*: **Bioinformatica, Biologia cellulare, Biochimica, Genetica, Biologia molecolare, Fisiologia**

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **98/110** or equivalent

3. Previous studies:

Alternative 1:

possession of a degree awarded in any Italian university, belonging to class **L-2 or L-13**, (DM [Italian Ministerial Decree] 270/2004) or class **1 or 12** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*:

possession of a degree awarded in any Italian university belonging to **any class** and possession of **at least 68 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|--------------------------|---|
| At least 20 ECTS credits | FIS/01 to 08, INF/01, MAT/01 to 09, CHIM/02,03,06 |
| At least 10 ECTS credits | BIO/01,05,06 |
| At least 30 ECTS credits | BIO/04,10,11,18,19 |
| At least 8 ECTS credits | BIO/09; MED/04 |

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

SCUOLA DI SCIENZE

MASTER'S DEGREE PROGRAMMES WITH UNLIMITED ACCESS AND ADMISSION REQUIREMENTS

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English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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PHYSICS

**Curricula: • Physics of the fundamental interactions • Physics of matter
 • NuPhys - Nuclear Physics* • Interdisciplinary Physics**

* international curriculum, entry to which is through a specific selection procedure. More information about the international programmes of the Scuola di Scienze and the relevant selection procedures are available at www.scienze.unipd.it/percorsi_internazionali

To gain entry to the degree programme, you need to meet the requirements described in each of the following 4 points:

1. Curricular skills:

Possession of knowledge and skills in the following subjects: **Fisica classica e quantistica e meccanica statistica; Analisi matematica e Geometria; esperienze di laboratorio di Fisica generale** – assessed through an analysis of the curriculum or syllabuses relating to each subject

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

3. Previous studies:

Alternative 1: possession of a degree in **Fisica** attained at the **University of Padua**

Or

| | | |
|------------------------|--|--|
| Alternative 2*: | possession of a degree awarded in any Italian university belonging to class L-30 (DM [Italian Ministerial Decree] 270/2004) or class 25 (DM [Italian Ministerial Decree] 509/1999) and possession of at least 48 ECTS credits , divided into the following University Scientific Areas (SSDs) and respecting the following minimums: | |
| | At least 24 ECTS credits | FIS/01 to 08, specifically: - at least 12 ECTS credits in FIS/02 - at least 6 ECTS credits in FIS/03,04,05 |
| | At least 24 ECTS credits | MAT/01 to 09 |

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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To gain entry to the degree programme, you need to meet the requirements described **in each of the following 4 points**:

1. Curricular skills:

Possession of knowledge and skills in the following subjects: **Fisica classica e quantistica e meccanica statistica; Calcolo differenziale e integrale** with functions of one or more real variables; basic notions of **Algebra lineare** and **Calcolo delle Probabilità** – assessed through an analysis of the curriculum or syllabuses relating to *Fisica and Matematica*

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

3. Previous studies:

possession of a degree awarded in any Italian university belonging to any class and possession of **at least 48 ECTS credits**, divided into the following University Scientific Areas (SSDs)* and respecting the following minimums:

| | |
|--------------------------|---|
| At least 24 ECTS credits | FIS/01 to 08, specifically: <ul style="list-style-type: none"> - at least 12 ECTS credits in FIS/02 - at least 6 ECTS credits in FIS/03,04,05 |
| At least 24 ECTS credits | MAT/01 to 09 |

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.

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QUANTITATIVE AND COMPUTATIONAL BIOSCIENCES

To gain entry to the degree programme, you need to meet the requirements described in each of the following 4 points:

1. Curricular skills:

Curriculum analysis, with particular attention to the programmes of teaching units relating to the fundamental notions of **mathematics, physics, chemistry, computer science, bioinformatics** and **basic biological disciplines**.

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **95/110** or equivalent

3. Previous studies:

possession of a degree awarded in any Italian university belonging to class **L-2, L-7, L-8, L-9, L-13, L-27, L-30, L-31, L-32, L-35** or **L-41** (DM [Italian Ministerial Decree] 270/2004) or to class **1, 8, 9, 10, 12, 21, 25, 26, 27, 32** or **37** (DM [Italian Ministerial Decree] 509/1999)

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at <https://www.scienze.unipd.it/requisiti-inglese-lm/>, where all the information is available.

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SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR CIRCULAR ECONOMY

Curricula: • Resources and product design and recycling • Energy conversion and storage

To gain entry to the degree programme, you need to meet the requirements described in each of the following 4 points:

1. Curricular skills - assessed through an analysis of the curriculum or syllabuses relating to each subject:

basic skills in organic and inorganic chemistry;
 knowledge of synthesis processes and chemical and physical analytical techniques of the components of the different states of matter;
 skills in mathematics related to the knowledge of algebra and geometry;
 skills in classical physics and electromagnetic field physics;
 basic knowledge of fluid thermodynamics and transport phenomena;
 basic knowledge of the morphological, chemical and structural properties of minerals;
 basic knowledge of the chemistry of biological processes.

2. Final graduation mark used for entry to the degree programme:

Higher than or equal to **85/110** or equivalent

3. Previous studies:

Alternative 1: possession of a degree awarded in any Italian university belonging to class **L-27** (DM [Italian Ministerial Decree] 270/2004) or class **21** (DM [Italian Ministerial Decree] 509/1999)

Or

Alternative 2*: possession of a degree awarded in any **Italian university** belonging to **any class** and possession of at least **40 ECTS credits**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

| | |
|--------------------------|-----------------------|
| At least 12 ECTS credits | CHIM/01 to 07; GEO/06 |
|--------------------------|-----------------------|

| | |
|--------------------------|---|
| At least 28 ECTS credits | MAT/01 to 09; FIS/01 to 03; BIO/01,10; GEO/04,07,09; CHIM/11,12; ING-IND/35 |
|--------------------------|---|

* To read the required SSDs, the numbers separated by a comma need to be considered, e.g.: "BIO/01,02,06" should be read as BIO/01, BIO/02, BIO/06. In addition, the numbers separated by "to" need to be considered, e.g.: BIO/01 to 05 should be read as BIO/01, BIO/02, BIO/03, BIO/04, BIO/05.

For candidates in possession of an Italian qualification governed by legal rules other than those of Ministerial Decree 509/99 or Ministerial Decree 270/04, the curricular requirements will be assessed by the Admissions Committee.

For candidates with a high level of preparation, resulting from knowledge and skills certified in the curriculum, coming from educational backgrounds that are not perfectly consistent with the specified requirements, a different entry path and/or specific entry tests can be arranged.

4. Language skills:

English – Listening and reading comprehension

Level **B2 or higher**

The University Language Centre (CLA) organises a B2 reading and listening comprehension test in English for Unipd graduates or graduates from other universities, who do not hold a valid English B2 certification or who are not included in the cases detailed at www.scienze.unipd.it/requisiti-inglese-lm/, where all the information is available.