



SCUOLA DI SCIENZE

CALL FOR ADMISSIONS A.Y. 2023/24

Master's degrees (or second-cycle degrees) in English with unlimited places and admission requirements

Selection reserved for candidates with qualification attained in Italy

ASTROPHYSICS AND COSMOLOGY

COMPUTATIONAL FINANCE

COMPUTER SCIENCE

CYBERSECURITY

DATA SCIENCE

ENVIRONMENTAL SUSTAINABILITY AND EDUCATION

GEOPHYSICS FOR NATURAL RISKS AND RESOURCES

MARINE BIOLOGY

MATERIALS SCIENCE

MATHEMATICS

MOLECULAR BIOLOGY

PHYSICS

PHYSICS OF DATA

SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR CIRCULAR ECONOMY

CHEMISTRY – study track held in English of the Master's degree "Chimica"

EARTH DYNAMICS – study track held in English of the Master's degree "Geologia ambientale e dinamica della terra"

N.B.: this document is the English translation of the admission notice for Master's degrees with unlimited places and admission requirements, at the Scuola di Scienze, and only includes the courses delivered in English.

The full admission notice for all courses 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

NOTE: The index is clickable and refers to the paragraphs in the text to make navigation easier. However, we recommend paying attention to the information contained in the entire admission notice.

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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 places and admission requirements** at the Scuola di Scienze for academic year 2023/24¹. Courses normally run for 2 years and a Master's degree is awarded at the end of the chosen Course of study.

Information on ongoing teaching and course Regulations can be found at <https://didattica.unipd.it/off/2023/LM/SC>, by selecting the Course of interest.

1.1 Courses, venues and available places

COURSES IN ENGLISH			
Master's degree Ministerial Decree 270/2004	MASTER'S DEGREE	VENUE	Places available for EU citizens or equivalent*
LM-17 and LM-58	Astrophysics and Cosmology <i>Curricula:</i> • Theory and modelling • Observations, experiments, and interpretation	Padua	Unlimited places with admission requirements
LM-18	Computer Science	Padua	Unlimited places with admission requirements
LM-16	Computational Finance	Padova	Unlimited places with admission requirements
LM-66	Cybersecurity	Padua	Unlimited places with admission requirements
LM-91	Data science <i>Curricula:</i> • Data Science • BDMA	Padua	Unlimited places with admission requirements
LM-60	Environmental Sustainability and Education	Padua	Unlimited places with admission requirements
LM-79	Geophysics for Natural Risks and Resources	Padua	Unlimited places with admission requirements
LM-6	Marine Biology	Chioggia (VE)	Unlimited places with admission requirements
LM-ScMat	Materials Science <i>Curricula:</i> • Materials Science • Materials Science DD	Padova	Unlimited places with admission requirements
LM-40	Mathematics <i>Curricula:</i>	Padua	Unlimited places

¹ Running the first year of Degree Courses is subject to their accreditation according to the provisions of Ministerial Decree 1154/2021 "Self-assessment, assessment, initial and periodic accreditation of venues and courses of study", and to the achievement of a minimum number of pre-enrolments; therefore, if the Course is not accredited or if the number of pre-enrolment applications submitted is less than 15 (5 for each curriculum), the Course will not run. All the information relating to the running of the course is published at www.unipd.it.

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	<ul style="list-style-type: none"> • Mathematics • MAPPA • ALGANT 		with admission requirements
LM-6	Molecular Biology <i>Curricula:</i> <ul style="list-style-type: none"> • Bioinformatics • Molecular Biology • Génétique Moléculaire 	Padua	Unlimited places 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 	Padua	Unlimited places with admission requirements
LM-17	Physics of Data	Padua	Unlimited places 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 places with admission requirements

COURSES IN ENGLISH (BASED ON THE CURRICULUM)

Master's degree Ministerial Decree 270/2004	MASTER'S DEGREE	VENUE	Places available for EU citizens or equivalent*
LM-54	Chimica <i>Curricula:</i> <ul style="list-style-type: none"> • Chemistry 	Padua	Unlimited places with admission requirements
LM-74	Geologia ambientale e dinamica della terra <i>Curricula:</i> <ul style="list-style-type: none"> • Earth Dynamics 	Padua	Unlimited places with admission requirements

*The places for students with foreign admission qualifications are assigned in the dedicated selections. For more information, see: www.unipd.it/en/how-apply. For any clarification, write to: international.admission@unipd.it.

1.2 Admission requirements

To be admitted, candidates² must:

1. have obtained a Bachelor's degree, a Single-cycle Master's degree, a three-year university diploma or another qualification obtained in Italy and recognised as suitable under current legislation, **by 31 October 2023** or during the year, **by 31 December 2023**;

² From now on, terms relating to people are in the masculine form, for the sole purpose of ensuring better readability of the text, but refer indiscriminately to all genders.



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

Full descriptions of the Courses and the relevant Course Regulations can be found at <https://didattica.unipd.it/>, by selecting the Course you are interested in.

3. **pre-enrol** by the indicated 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 18 July** (or from the date that the minimum number of pre-enrolments is reached, if later) **by 12:00 noon on 31 October 2023** ([point 4.1](#)).

An additional enrolment period is provided for during the year, **from 12:00 noon on 31 October 2023 until 12:00 noon on 31 January 2023** ([point 4.2](#)).

1.3 Registering for part-time

Prospective students can apply to register on a part-time basis due to family, work or health reasons, for all the courses included in this notice except for the course in *Innovazione e Servizio Sociale*. Further information is available at www.unipd.it/en/studying-padova/funding-and-fees.

1.4 Inclusion and disability

Students with disabilities or specific learning disorders (SLDs) can contact the Student Services Office – Inclusion Department (inclusion.studenti@unipd.it) to report any need for information on course attendance support services and financial subsidies (www.unipd.it/en/resources-and-supports-students-disability-or-learning-disabilities).

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, you will receive an email with your username and activation code to log in to uniweb.unipd.it/password/index.php/it/utenti/identifica/azione/a, where you will be asked to set up three security questions and a password. With your username obtained and password set, you can log in to your private 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, contact the University Call Centre (www.unipd.it/callcentre).

N.B.: The personal email address included in your Uniweb profile is the communication channel via which any deadlines and instructions for accessing the course are provided. Emails sent for this purpose count as an official communication.

2.2 Submitting an application for pre-enrolment

To pre-enrol, you must:

1. log in with your credentials at www.uniweb.unipd.it ([point 2.2](#)), click on *Home* → *Pre-enrolment for limited/unlimited access degree programmes* → *Type of degree programme 'Second-cycle degree'* and indicate the course you are interested in ([point 1.1](#)).
2. enter the degree qualification to be used as your admission requirement to the course, 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.
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 courses** among those indicated in this notice. For each pre-enrolment, to be submitted by the deadlines indicated in [point 2.3](#), you need to follow the instructions in the three indicated points and submit the application for the curricular requirements to be assessed ([point 3](#)). Ultimately, candidates can enrol **on one course only**.

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

2.2.1 Deadlines – candidates graduating by 31 October 2023

To be able to submit the application for enrolment, change of course, or incoming transfer by 31 October 2023 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 11 July at 15:00 until 29 September 2023 at 12:00 noon

2.2.2 Deadlines – Pre-enrolment during the year

To be able to submit the application for enrolment during the year by 31 January 2024 ([point 4.2](#)), there will be an additional time window for pre-enrolment online ([point 2.2](#)):

from 31 October 2023 at 12:00 noon until 22 January 2024 at 12:00 noon



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

- Marine Biology
- Molecular Biology

Students, therefore, who graduate between 31 October 2023 and 31 December 2023 and who wish to enrol in the courses indicated must submit their application for pre-enrolment in the first time window.

N.B.: candidates who use this time window for pre-enrolment will only be able to gain entry to the courses through standard enrolment (**course change** and **incoming transfer** procedures will only be available until **31 October 2023, 12:00 noon**).

3. ASSESSING THE MINIMUM CURRICULAR REQUIREMENTS

To be admitted to your chosen course, you need to be in possession of the specific minimum curricular requirements and knowledge, competencies, and abilities, verified as set out for each course ([appendix 1](#)).

Anyone intending to apply for entry to more than one course must submit an application for the assessment of the minimum curricular requirements (in addition to the related pre-enrolment) for each course of interest.

3.1 Procedure and deadlines – candidates graduating by 31 October 2023

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:

from 11 July at 15:00 until 31 October 2023 at 12:00 noon

Instructions on how to apply for the minimum curricular requirements online 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 the first available time window, by **29 September 2023** ([point 2](#)).

Suitability for enrolment can only be attributed after registering the entry qualification details (grade 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

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 31 January 2023 ([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 31 October 2023 at 12:00 noon until 22 January 2024 at 12:00 noon

Instructions on how to apply for the minimum curricular requirements online and any special cases show 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** ([point 2](#)).

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 (grade 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



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

4.1 Procedure and deadlines – candidates graduating by 31 October 2023

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

- have submitted an application for pre-enrolment ([point 2](#)) **by 29 September 2023**;
 - have checked the registration of the entry qualification details in the Uniweb personal area. Registration will take place automatically for graduates 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;
- have submitted an application for the assessment of the minimum curricular requirements **by 31 October 2023** ([point 3](#)) and have obtained the outcome “eligible” (visible within pre-enrolment in each user’s personal area in Uniweb).

Applications for enrolment or transfer from another university must be submitted
from 11 July at 15:00 until 31 October 2023 at 12:00 noon

Applications for changing course must be submitted:
from 1 September at 15:00 until 31 October 2023 at 12:00 noon

Course 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 course 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

In order to enrol, candidates must:

- have submitted an application for pre-enrolment ([point 2](#)) by 29 September 2023 OR in the additional pre-enrolment period by 22 January 2024;



- have checked the registration of the entry qualification details in the Uniweb personal area. Registration will take place automatically for graduates 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. The qualification must be awarded by 31 December 2023;
- have submitted an application for the assessment of the minimum curricular requirements by 22 January 2024 ([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 31 October 2023 at 12:00 noon until 19 February 2024 at 12:00 noon

The procedure for submitting applications for enrolment can be found at 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 course 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 2023/2024, is 200.00 euro (of which 184.00 euro is the regional tax³ for the right to education at university and 16.00 euro is the stamp duty). Students with a disability between 66% and 100% or with a certificate pursuant to Italian Law no. 104 (Article 3, paragraph 1) are entitled to a total exemption, which only requires payment of the stamp duty of 16.00 euro.

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

Contacts
benefici.studenti@unipd.it

³ The amount may vary according to regional provisions.



6. 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 course 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.

The application for credit recognition is an additional request that must be submitted at the same time as the procedure for assessing the minimum curricular requirements, in the appropriate section within the same portal, and by the same deadlines (indicated in [point 3](#)).

The university educational credits necessary to achieve the minimum curricular requirements, or those included in the qualification used for admission to the course, **will not be considered** to shorten 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 course first year** as set out in [point 4](#), even if they do not yet have the credit recognition resolution.

Validation/recognition and any updates during the course 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 2023/24, 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 of course 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.
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 can be found on page www.unipd.it/avvisi-ammissione-corsi.

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, 26 April 2023

THE RECTOR

Prof. Daniela Mapelli

digitally signed pursuant to Italian Legislative Decree no. 82/2005



APPENDIX 1 – COURSE DESCRIPTIONS AND THE MINIMUM CURRICULAR REQUIREMENTS FOR ADMISSION

The descriptions of the individual courses 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 Course, available in Art. 2, paragraph 1, of the relevant Course Regulations.

Full descriptions of the Courses and the relevant Course Regulations can be found at <https://didattica.unipd.it/off/2023/LM/SC>, by selecting the Course you are interested in.

The procedures to be followed for admission to the courses 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 course you are interested in:

COURSES IN ENGLISH

[ASTROPHYSICS AND COSMOLOGY](#)

[COMPUTER SCIENCE](#)

[COMPUTATIONAL FINANCE](#)

[CYBERSECURITY](#)

[DATA SCIENCE](#)

[ENVIRONMENTAL SUSTAINABILITY AND EDUCATION](#)

[GEOPHYSICS FOR NATURAL RISKS AND RESOURCES](#)

[MARINE BIOLOGY](#)

[MATERIAL SCIENCE](#)

[MATHEMATICS](#)

[MOLECULAR BIOLOGY](#)

[PHYSICS](#)

[PHYSICS OF DATA](#)

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

COURSES IN ITALIAN AND IN ENGLISH (BASED ON THE CURRICULUM)

[CHEMISTRY](#) – study track held in English of the Master's degree “Chimica”

[EARTH DYNAMICS](#) – study track held in English of the Master's degree “Geologia ambientale e dinamica della terra”



CHIMICA

Curricula: • Chimica • 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 course, you need to meet the requirements described **in each of the following 3 points:**

1. Grade of Degree used for entry to the course:

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 CFUs**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 8 CFUs	CHIM/01
At least 14 CFUs	CHIM/02
At least 14 CFUs	CHIM/03
At least 14 CFUs	CHIM/06

For candidates in possession of an Italian qualification under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



GEOLOGIA AMBIENTALE E DINAMICA DELLA TERRA

Curricula: • Geologia applicata alla difesa del suolo e dell'ambiente • Earth Dynamics

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

1. Grade of Degree used for entry to the course:

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 CFUs**, 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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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.

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Level **B2 or higher**

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MATERIALS SCIENCE

Curricula: • **Materials Science** • **Materials Science DD***

* curriculum internazionale a cui gli studenti possono accedere a seguito di apposita selezione. Maggiori informazioni sui programmi internazionali della Scuola di Scienze e le modalità di selezione sono disponibili a pagina www.scienze.unipd.it/percorsi_internazionali

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

1. Grade of Degree used for entry to the course:

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

2. Previous course of study:

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 CFUs**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 12 CFUs	MAT/01 to 09
At least 20 CFUs	CHIM/01 to 12
At least 18 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 **B2 or higher**

The University Linguistic 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.



ASTROPHYSICS AND COSMOLOGY

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

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

1. Grade of Degree used for entry to the course:

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-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 CFUs, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 24 CFUs	MAT/01 to 09
At least 24 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



COMPUTATIONAL FINANCE

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

1. Grade of Degree used for entry to the course:

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

2. Previous course of study:

Alternative 1: possession of a degree in **Economia, Matematica, Informatica, Statistica per l'economia e l'impresa, Statistica per le tecnologie e le scienze** 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 16 CFUs, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 10 CFUs	MAT/02,03,05,08,09, SECS-S/06
At least 6 CFUs	MAT/06, SECS-S/01 a 05, SECS-P/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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



COMPUTER SCIENCE

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

1. Grade of Degree used for entry to the course:

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

2. Previous course of study:

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

For candidates in possession of an Italian qualification under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



CYBERSECURITY

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

To gain entry to the course, 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. Grade of Degree used for entry to the course:

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

3. Previous course of study:

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 CFUs, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 24 CFUs	INF/01; ING-INF/03,05
At least 18 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



DATA SCIENCE

Curriculum: • Data Science • BDMA* • 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 course, 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 Mathematics and Informatics.

2. Grade of Degree used for entry to the course:

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 CFUs**, divided into the following University Scientific Areas (SSDs)** and respecting the following minimums:

At least 12 CFUs	MAT/01 to 09; SECS-S/01; SECS-S/06
At least 6 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



ENVIRONMENTAL SUSTAINABILITY AND EDUCATION

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

1. Grade of Degree used for entry to the course:

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-32** (DM (Italian Ministerial Decree) 270/2004) or class **27** (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 CFUs**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 15 CFUs	INF/01; MAT/01 to 09; FIS/01 to 08; CHIM/03,06
At least 35 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 **B2 or higher**

The University Linguistic 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.



GEOPHYSICS FOR NATURAL RISKS AND RESOURCES

To gain entry to the course, 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. Grade of Degree used for entry to the course:

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

3. Previous course of study:

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 class **16, 25 or 32** (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 CFUs**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 12 CFUs	INF/01; FIS/01 to 07; MAT/01 to 09
At least 38 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



MARINE BIOLOGY

N.B.: only the pre-enrolment window from 18 July to 30 September 2023 is available for this Degree Course, even for those who graduate after 31 October.

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

1. Grade of Degree used for entry to the course:

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-2, L-13, L-32 or L-38** (DM (Italian Ministerial Decree) 270/2004) or class **1, 12, 27 or 40** (DM 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 CFUs**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 6 CFUs	FIS/01 to 08, INF/01, MAT/01 to 09, CHIM/02,03,06
At least 6 CFUs	BIO/01,02,03,05,06,07;
At least 6 CFUs	BIO/04,10,11,18,19;
At least 6 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



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 course, you need to meet the requirements described in each of the following 2 points:

1. Grade of Degree used for entry to the course:

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

2. Previous course of study:

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 509/1999) and possession of at least **50 CFUs**, 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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



MOLECULAR BIOLOGY

Curricula: • Bioenergetics and Metabolism • Bioinformatics • Integrative Plant Biology • Molecular Biology • Génétique Moléculaire*

* 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 18 July to 30 September 2023 is available for this Degree Course, even for those who graduate after 31 October.

To gain entry to the course, 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. Grade of Degree used for entry to the course:

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

3. Previous course of study:

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 509/1999)

Or

Alternative 2*: possession of a degree awarded in any Italian university belonging **to any class** and possession of **at least 68 CFUs**, divided into the following University Scientific Areas (SSDs) and respecting the following minimums:

At least 20 CFUs	FIS/01 to 08, INF/01, MAT/01 to 09, CHIM/02,03,06
At least 10 CFUs	BIO/01,05,06
At least 30 CFUs	BIO/04,10,11,18,19
At least 8 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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**

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PHYSICS

**Curricula: • Physics of the fundamental interactions • Physics of matter
• NuPhys - Nuclear 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 course, 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. Grade of Degree used for entry to the course:

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

3. Previous course of study:

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 509/1999) and possession of at least 48 CFUs , divided into the following University Scientific Areas (SSDs) and respecting the following minimums:	
	At least 24 CFUs	FIS/01 to 08, specifically: - at least 12 CFUs in FIS/02 - at least 6 CFUs in FIS/03,04,05
	At least 24 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



PHYSICS OF DATA

To gain entry to the course, 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. Grade of Degree used for entry to the course:

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 48 CFUs**, divided into the following University Scientific Areas (SSDs)* and respecting the following minimums:

At least 24 CFUs	FIS/01 to 08, specifically:
	- at least 12 CFUs in FIS/02 - at least 6 CFUs in FIS/03,04,05
At least 24 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.



SUSTAINABLE CHEMISTRY AND TECHNOLOGIES FOR CIRCULAR ECONOMY

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

To gain entry to the course, 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, inorganic and physical 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. Grade of Degree used for entry to the course:

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

3. Previous course of study:

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 509/1999)

Or

Alternative 2*:	possession of a degree awarded in any Italian university belonging to any class and possession of at least 40 CFUs , divided into the following University Scientific Areas (SSDs) and respecting the following minimums:	
	At least 12 CFUs	CHIM/01 to 07; GEO/06
	At least 28 CFUs	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 under a legal system other than those governed by the DM (Italian Ministerial Decree) 509/99 or DM 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 Linguistic 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.