



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

School of Science

Admission notice, Academic Year 2018-2019

Second-cycle degree courses in English with limited places for EU and non-EU citizens legally staying in Italy

Data Science

Class LM-91 - Class of the Second-cycle degrees in Techniques and methods for the information society

Physics of Data

Class LM-17 – Physics

1. DEGREE COURSE AND PLACES AVAILABLE

Enrolments for the Academic Year 2018-2019¹ of the Second-cycle degree courses with limited places Data Science and Physics of Data are open.

The following places are available for the first year:

| Second-cycle degree course | Places for EU and non-EU citizens legally staying in Italy | Places available for non-EU citizens residing abroad (of which for citizens on the “Marco Polo” programme) |
|----------------------------|--|--|
| Data Science | 40 | None |
| Physics of Data | 30 | None |

To be eligible for admission, participants need to:

- 1) Have a first-cycle degree or a three-year Italian *Diploma Universitario* or other foreign degree recognised by current legislation and which the participant may already have or be about to earn **by 28th September 2018 or, should any places remain vacant, by 31th December 2018;**
- 2) meet specific curricular requirements set by the Course (see Annex 1) and which will be checked by filling in the online pre-enrolment application form and the minimum curricular requirement assessment application (see par. 3), if required;
- 3) A good position in the merit list, as set forth for selections in Annex 1.

The full sheet on this Degree course is available at <http://en.didattica.unipd.it/off/2018/LM/SC> .
The normal duration of the course is 2 years at the end of which students have 120 European University Credits (ECTS) and have a second-cycle degree in Data Science/ Physics of Data .

Students with disability or specific learning disability (SLD) may contact the **Student Service Office - Inclusion** (<http://www.unipd.it/en/students-special-needs>) to report any special needs they may have or to enquire about tuition fee reductions and services available for support in relation to class attendance.

2. MINIMUM CURRICULAR REQUIREMENTS TO BE ADMITTED TO THE COURSE

To enrol in the second-cycle degrees in Data Science and Physics of Data , candidates must meet specific curricular and educational background requirements, pursuant to art. 6, par. 2 of DM no. 270/04.

¹ Activation of the first year of the degree course depends on accreditation pursuant to D.M. 987 of 12/12/16 and until the minimum number of 15 pre-enrolments is reached. If the degree course is not accredited or the number of pre-enrolment applications is less than 15 (5 for each curricula), the degree course will not be activated. We would like to point out that so far, the course has always met these conditions. All information on course activation will be published at <http://www.unipd.it/en/>

Assessment of adequate educational background depends on a list drawn up based on specific parameters defined in Annex 1 of the present admission notice.

3. ONLINE REGISTRATION, PRE-ENROLMENT AND MINIMUM CURRICULAR REQUIREMENT ASSESSMENT

3.1 Registration

To log on to the https://uniweb.unipd.it/Home.do?cod_lingua=eng portal, candidates with no credentials first need to register by going to <https://uniweb.unipd.it/AddressBook/ABStartProcessoRegAction.do>.

At the end of the registration process each candidate will be emailed a username and activation code. The candidate will then need to go to <https://uniweb.unipd.it/password/index.php/en/utenti/identifica/azione/a>, choose three security questions and set a password.

Your username and password will then need to be used to log on to and access the registered area of the https://uniweb.unipd.it/Home.do?cod_lingua=eng portal.

3.2 Pre-enrolment application and documentation upload

The pre-enrolment application form must be filled in **from 18th June 2018 and by 12.00 of 3rd September 2018** by logging on to https://uniweb.unipd.it/Home.do?cod_lingua=eng.

After logging in, candidates need to click on *Home* → *Admission Test* → *Proceed with a new pre-enrolment* → *Pre-enrolment for limited places* → *Course Type: 'Second-cycle degree' → Data Science/ Physics of Data*.

Candidates will be asked to input their degree title to be used to be admitted to the course they have chosen, if not already in the system. Please note that final-year students from the University of Padova will be able to complete the pre-enrolment process only after they have completed the online application required to graduate.

After filling in the pre-enrolment application form, the candidate must print the application summary in which the place and date of the test are specified and pay the **€ 30,00** pre-enrolment fee through the PagoPA system (instructions available at <http://www.unipd.it/en/studying-padova/funding-and-fees/key-documents>).

After the deadline of 12.00 of 3rd September 2018, the link will be deactivated and it won't be possible to submit any other applications or amend any choices made.

The service may be temporarily unavailable during maintenance operations.

If candidates encounter any difficulties during the online process, they may write an email to immatricolazioni.studenti@unipd.it or call the University call centre at 049/8273131 from Monday to Friday from 9.00 to 17.00.

3.3 Assessment of minimum curricular requirements

Candidates **must** also fill in the PDF form to request assessment of their minimum curricular requirements. The form is available at <http://www.unipd.it/domanda-valutazione>, and it must include a self-certification of the exams taken which are deemed relevant for admission. Candidates need to hand it in to the Front Office of the Ufficio Carriere Studenti, Lungargine del Piovego 2/3, - 35131 Padova, together with:

- a copy of the summary of the pre-enrolment form/s completed online;
- a photocopy of an ID document;
- copy of the payment receipt of € 30,00.

These documents can also be sent by recorded delivery letter, but only requests for the assessment of minimum curricular requirements **received** by the Front Office of the Ufficio Carriere Studenti, Lungargine del Piovego 2/3, - 35131 Padova, by **3rd September 2018 at the latest** will be accepted and taken into consideration.

VERY IMPORTANT: Candidates need to attach all their course unit contents or specify the web address where they are available. The web address can be indicated at page 5 of the minimum curricular requirement assessment application, in the applicant area, under the item “altro”.

All information on assessment of Second-cycle degree courses of the School of Science requiring a B1 or B2 level of English in their minimum curricular requirements will be available at http://www.scienze.unipd.it/index.php?id=inglese_ingresso_lm

4. PUBLICATION OF MERIT LISTS, ENROLMENT PROCEDURES AND RE-ASSIGNMENTS FOR CURRENT YEAR GRADUATES

Under penalty of expiration, **graduates from another university** must see to updating the information on their awarded qualification in their reserved area on Uniweb **by the graduation date** and informing us of having done so by sending an email to scienze@unipd.it ; they may add this information even after submitting their pre-enrolment form.

Graduates from Padova University will instead have to wait for the system to automatically update their degree information.

4.1 Students who graduate by 28th September 2018

The general merit list of the eligible candidates/winners and those not admitted, which will be used for enrolment until all places are filled, will be published at <http://www.unipd.it/graduatorie-ammissione> on 5th October 2018.

Publication of the merit lists will serve as official communication to the persons concerned.

The enrolment application must be submitted through each candidate's personal area on Uniweb **not later than 12.00 of 12th October 2018**.

Successful candidates who wish to complete their enrolment must follow the enrolment procedures and pay the first instalment of the university fees of € 185.00 (for new matriculations). The enrolment procedures will be published at <http://www.unipd.it/avvisi-ammissione-corsi> before the enrolment period opens.

Should any vacant places remain, enrolments will continue by direct call from the Ufficio Carriere Studenti – Settore Immatricolazioni following the order on the merit list.

Acceptance of the place and completion of the enrolment process must take place following the procedures and deadlines set by the Ufficio Carriere Studenti – Settore Immatricolazioni; failure to follow the procedures and meet the deadlines to complete the enrolment will be considered as **dropping out**.

4.2 Current year graduates by 31 December 2018

Should places still be vacant after the enrolment process outlined in section 4.1 is over, a further **re-assignment merit list** will be published; under penalty of expiration, **graduates from another university** must see to updating the information on their awarded qualification in their reserved area on Uniweb and informing us of having done so by sending an email to scienze@unipd.it .

This merit list will be published on 14th January 2018 at <http://www.unipd.it/graduatorie-ammissione>. Instructions on how to proceed to enrol will also be published. Enrolments will have to be completed **no later than 31st January 2018**.

5. CREDIT TRANSFER AND ACADEMIC TRANSFER CREDIT EVALUATION

To transfer credits and for any academic transfer credit evaluation, a preliminary assessment application can be submitted for the academic year 2018/2019.

Conditions and terms to submit the application are available at <http://www.unipd.it/domanda-valutazione>

Instructions to complete the papers are available at <http://www.unipd.it/domanda-valutazione>.

6. FOREIGN STUDENTS AND ITALIAN STUDENTS WITH A FOREIGN DEGREE

Foreign and Italian students with a foreign degree are admitted as per the provisions set forth by the Ministry of Education, Universities and Research and available at <http://www.studiare-in-italia.it/studenti stranieri/>.

Ulteriori informazioni relative alla normativa vigente e alla documentazione necessaria all'iscrizione sono disponibili alla pagina <http://www.unipd.it/iscrizioni-studenti-stranieri>.

To add their school leaving final mark to the pre-enrolment application, all candidates with a foreign qualification must contact the Ufficio Carriere Studenti – Settore Immatricolazioni, via Venezia 13, Padova, email titoliesteri.studenti@unipd.it **within 7 days before taking the test**; no extensions will be granted to submit the documents necessary to enrol.

7. PERSON IN CHARGE OF THE PROCEDURE, PRIVACY, REMARKS AND WARNINGS

1) Pursuant to art. 4 of law 241 of 7 August 1990 (New norms on administrative procedures and right to access administrative documents) and subsequent amendments, the President of the Assessment commission is appointed person in charge of the administrative procedure.

2) Person in charge of the Procedure to access the records: head of the Ufficio Carriere Studenti, Roberta Rasa. Candidates may exercise their right to access the competition records following the procedures set forth by Presidential Decree no. 184 of 12 April 2006.

3) Same-time enrolment: information on same-time enrolment is available at <http://www.unipd.it/avvisi-ammissione-corsi>.

4) Regulations in place about statements: should false or mendacious statements by the candidate emerge, it being understood the sanctions provided for by the criminal code and special laws in place (art. 75 and 76 of presidential decree 445/2000), the candidate will automatically be unenrolled. The University will seek to be refunded for any benefits (e.g. scholarships) given to the candidate and will not reimburse any of the university fees paid by the candidate. The mendacious statement will also entail compensation for damages by the parties involved.

Further information on our privacy policy and regulations in place for enrolments is available at <http://www.unipd.it/avvisi-ammissione-corsi>.

Any amendments or additions to the content of this admission notice will be:

♦ published on the Official University Register;

♦ published on the university web pages at

<http://www.unipd.it/avvisi-ammissione-corsi>

Current regulations in place apply in relation to any issues not expressly addressed in this admission notice.

Padova, 26/04/2018

The Rector
Prof. Rosario Rizzuto

ANNEX 1 - MINIMUM CURRICULAR REQUIREMENTS AND HOW THE SCORE FOR THE MERIT LIST IS CALCULATED

“DATA SCIENCE”

Admission requirements and educational background

To be admitted to the course, basic knowledge of the following disciplines is required:

a) Mathematics, Differential and integral calculus for functions of one or more real variables. Numerical sequences and infinite sums. Basic notions of linear Algebra. Basic notions of Probability, including random variables, expectation, Central Limit Theorem.

b) Computer Science. Programming in high level language (e.g. Java, C, C++, Python). Computer architecture: CPU, memory, peripherals, networks, operating system. Algorithms and data structures. This knowledge is verified by the achievement of:

- 1) a given number of ECTS in the following areas:

| CFU/ECTS | Area (SSD) |
|----------|---------------------------------|
| 12 | MAT/01-09; SECS-S/01; SECS-P/06 |
| 8 | INF/01; ING-INF/05 |

- 2) degree classification equivalent to at least 85/110

- 3) a careful analysis of the curriculum, in particular the contents of the courses in Mathematics and Computer Science

- 4) the exam grades and the degree classification

- 5) B2 level of ENGLISH (reading and listening).

The ranking list will be drawn up following assessment as per sections 2), 3) and 4).

For candidates with a foreign degree, the academic requirements are verified by the admission commission.

Should it not be possible to assess directly the equivalence of the degree or the equivalence of the degree classification with the Italian system and whether requirements are met, the admission commission will evaluate the overall academic records of the applicant.

At the end of the process, the Commission will decide whether or not the candidate meets the curricular requirements and has an adequate educational background; a ranking list will be drawn up for non-EU candidates residing abroad only if the number of applicants exceeds the number of places available.

Further information on the course is available at: <http://en.didattica.unipd.it/off/2018/LM/SC/SC2377>

For general enquiries about the course, please contact: scienze@unipd.it

“PHYSICS OF DATA”

Admission requirements and educational background

To be admitted to the course, basic knowledge of the following disciplines is required: classical and quantum physics, statistical mechanics; differential and integral calculus for functions of one or more real variables; basic notions of linear Algebra; basic notions of Probability.

This knowledge is verified by the achievement of:

1) a given number of ECTS in the following areas:

| CFU/ECTS | Area (SSD) |
|----------|---|
| 24 | FIS/01-08 with at least 12 in SSD FIS/02 6 overall in SSD FIS/03, FIS/04 o FIS/05 |
| 24 | MAT/01-09 |

2) degree classification equivalent to at least 90/110

3) a careful analysis of the curriculum, in particular the contents of the courses in Physics and Mathematics

4) B2 level of ENGLISH (reading and listening).

The ranking list will be drawn up following assessment as per sections 2) and 3) .

For candidates with a foreign degree, the academic requirements are verified by the admission commission. Should it not be possible to assess directly the equivalence of the degree or the equivalence of the degree classification with the Italian system and whether requirements are met, the admission commission will evaluate the overall academic records of the applicant.

At the end of the process, the Commission will decide whether or not the candidate meets the curricular requirements and has an adequate educational background; a ranking list will be drawn up for non-EU candidates residing abroad only if the number of applicants exceeds the number of places available.

Further information on the course is available at: <http://en.didattica.unipd.it/off/2018/LM/SC/SC2443>

For general enquiries about the course, please contact: scienze@unipd.it