Admission notice
Academic Year 2018-2019

Second-cycle degree courses in English with limited places

Full selection

School of Psychology
- Cognitive Neuroscience and Clinical Neuropsychology
  Class LM-51 - Psychology

Selection of non-EU candidates residing abroad

School of Engineering
- Mathematical Engineering
  Class LM-44 - Mathematical modelling for engineering

School of Medicine
- Medical Biotechnologies – only General curriculum
  Class LM-9 – Pharmaceutical, Medical and Veterinary Biotechnologies
- Pharmaceutical Biotechnologies
  Class LM-9 – Pharmaceutical, Medical and Veterinary Biotechnologies

School of Science
- Data Science
  Classe LM-91 - Tecniche e Metodi per la Società dell'informazione
- Molecular Biology
  Class LM-6 – Biology
- Physics of Data
  Class LM-17 – Physics
1. PLACES AVAILABLE AND ADMISSION REQUIREMENTS

To be eligible for admission, applicants are required to:

1) have earned a foreign degree, which the current legislation recognises equivalent to a first-cycle degree (BA or BSC) by 31st July 2018; only in the case of the second-cycle degree course in Cognitive Neuroscience and Clinical Neuropsychology, degrees earned in Italy by the same deadline will also be accepted as full selection is going to be carried out to make sure all places available are filled in;
2) meet specific curricular requirements and have an adequate educational background, in accordance with the provisions set forth in article 6, paragraph 2, of Ministerial Decree no. 270/2004, as further specified in the course information sheets provided in annex 1;
3) fill in and submit the online pre-enrolment application form as per section 2 of this notice by 13.00 local time (GMT + 1) of 28th February 2018.

The places available, assessment of minimum curricular requirements and the evaluation of the candidates’ educational background will be carried out as outlined in the course information sheets provided for in annex 1.

2. REGISTRATION, PRE-ENROLMENT AND DOCUMENTATION UPLOAD

2.1 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;jsessionid=3942D1047AA9098FD58208B0731958D2.jvm3c?cod_lingua=eng.
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/identificazione/azione/autenticazione, choose three security questions and set a password.
The candidate’s 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.

2.2 Pre-enrolment application and documentation upload
The pre-enrolment application form must be filled in from 11th January by 13.00 local time (GMT + 1) of 28th February 2018 by logging on to the reserved area of the https://uniweb.unipd.it/Home.do?cod_lingua=eng portal.
After logging in, candidates need to click on Home → Admission Test → Proceed with a new pre-enrolment → Pre-enrolment for limited places courses → Course Type: ‘Second cycle degree’, select the degree course they are interested in and proceed until final confirmation.
In order to ensure candidates have the necessary qualifications and to assess their preparation, they will be asked to upload the following documents:
- curriculum vitae and academic curriculum in English;
- cover letter in English;
- transcript of records of their qualifications, preferably including ECTS statistics; for those countries in which it is issued, the Diploma Supplement can be uploaded in place of the transcript of records;
- copy of their degree, if they have already graduated;
- any English language or other language certifications, if required in the information sheet of the degree course the candidate is interested in;
- copy of an ID document (ID card or passport);
- copy of the residence permit to stay in Italy for non-EU citizens residing in Italy.

Please note that you need to read the course information sheet (Annex 1) carefully as additional specific documents may be required for certain degree courses.
At the end of the pre-enrolment process, candidates need to 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 ).

1 Activation of the first year of the degree courses depends on accreditation pursuant to Ministerial Decree 987 of 12/12/16 and until the minimum number of pre-enrolments is reached. If the degree courses are not accredited or the number of pre-enrolment applications is less than minimum number, the degree courses will not be activated. All information on course activation will be published at http://www.unipd.it
Candidates will be required to submit further documents during the enrolment stage; detailed information is available at [http://www.unipd.it/en/how-apply](http://www.unipd.it/en/how-apply).

For further information or queries, candidates may contact the University Call Centre, available from Monday to Friday, from 9 a.m. to 5 p.m. local time (GMT + 1) at 0039-0498273131 or write to [international.admission@unipd.it](mailto:international.admission@unipd.it).

Students with disability or specific learning disability (SLD) may contact the University Disability and Dyslexia Service ([http://www.unipd.it/en/students-special-needs](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.

### 3. PUBLICATION OF RANKING LISTS

Criteria used to assess qualifications and draw up ranking lists are specified in the degree course information sheet in annex 1.


More specifically:
1. a ranking list for non-EU citizens residing abroad;
2. a ranking list for Chinese students on the Marco Polo programme;
3. a ranking list, only for the Cognitive Neuroscience and Clinical Neuropsychology degree course, for EU citizens and non-EU citizens legally staying in Italy.

Admission of foreign candidates or candidates with foreign qualifications is granted pending verification of their qualifications, their graduation - if not already completed - and submission of the documents listed at [http://www.unipd.it/en/how-apply](http://www.unipd.it/en/how-apply).

Ranking lists will be advertised along with the results for scholarships and tuition-fee waivers as described in section 4, in addition to how to accept the place won and possible economic benefits awarded.

### 4. SCHOLARSHIPS, FINANCIAL AID AND FURTHER INFORMATION

Starting from Academic Year 2018/19 and thanks to the Padova International Excellence Scholarship Programme, the University of Padova will be offering a selected number of full scholarships (12,000 EUR/year per student) to highly talented prospective international students wishing to pursue an English-taught degree.

For detailed information on the eligibility criteria, please go to: [http://www.unipd.it/en/studying-padova/funding-and-fees/scholarships](http://www.unipd.it/en/studying-padova/funding-and-fees/scholarships)

Information on other scholarship opportunities offered by the University of Padova can be found here: [http://www.unipd.it/en/studying-padova/funding-and-fees/scholarships](http://www.unipd.it/en/studying-padova/funding-and-fees/scholarships)

The University of Padova also offers 100 full tuition fee-waivers to international students holding a non-Italian qualification enrolling in one of its degree courses completely held in English. Fee-waivers are offered for 1 academic year.

Interested students can apply for the fee-waiver directly when completing the pre-enrolment form of the chosen Degree Course.

For detailed information on the eligibility criteria, please go to: [http://www.unipd.it/en/fee-waivers](http://www.unipd.it/en/fee-waivers).

Information on other types of fee-waivers offered by the University of Padova can be found here: [http://www.unipd.it/en/fee-waivers](http://www.unipd.it/en/fee-waivers)

Padova, 22/12/2017

The Rector

Prof. Rosario Rizzuto
ANNEX 1 – DEGREE COURSES INFORMATION SHEETS

SCHOOL OF PSYCHOLOGY
“COGNITIVE NEUROSCIENCE AND CLINICAL NEUROPSYCHOLOGY”
Complete Selection

Available places
- 30 places available for EU and non-EU citizens legally staying in Italy
- 10 places available for non-EU citizens residing abroad; of these, 2 places are reserved for Chinese students on the Marco Polo Programme.

Admission requirements and educational background

Applicants who meet the following requirements may attend the selection process:
1) They must have earned a first-cycle degree (BA/BSC) in L-24 – Psychology in Italy or, if they have a foreign degree, a first-cycle degree which can be compared to a degree earned in Italy in class L-24 – Psychology, by 31 July 2018;
2) They must have at least a B2 level of English as per the Common European Language Framework; they need to have this certification by 31 July 2018 at the latest; prior to its submission, candidates will be admitted conditionally. Certifications stating the same level or higher, issued by a certifying body as per decree of 7 March 2002 by the Ministry of Education, University and Research and subsequent implementing measures, will be accepted. Only language certifications in line with the Common European Framework (CEFR) recognised by the Council of Europe and present in the following table will be accepted:

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<tr>
<th>B2 LEVEL CERTIFICATES</th>
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<td>UCLES</td>
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<td>FCE</td>
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English mother tongue students, or students who have attended their upper secondary school or a first-cycle degree course in English, do NOT need to present a language certificate.
Criteria for the ranking lists of COGNITIVE NEUROSCIENCE AND CLINICAL NEUROPSYCHOLOGY

Following verification that the minimum requirements to enrol in the course are met, each candidate will be assessed in terms of:

a) **curriculum vitae and cover letter**: the Admission Board will assess the curriculum vitae and grades of each candidate. In particular it will evaluate exams in the field of General Psychology (M/PSI-01 area), Psychobiology and Physiological psychology (M/PSI-02 area), Psychometrics (M/PSI-03 area) and Clinical Psychology (M/PSI-08 area). In addition to grades, any educational experiences or studying experiences abroad will also be taken into account. 80% of the whole assessment will be based on the curriculum vitae and cover letter.

b) **Letters of recommendation**: up to 2 letters of recommendations will be taken into account. They need to be recent (dated 2017), written in English and signed by professors who had the opportunity to get to know the candidate during their university career. 20% of the whole assessment will be based on the letters of recommendation.

The Board may also invite candidates to take a Skype interview should it be necessary to clarify any doubts on the candidate’s skills. The importance of these competencies is calculated in section a).

Should more candidates reach the same score, the youngest candidate will be given priority.

Further information on the course is available at:  
www.unipd.it/en/cognitive-neuroscience-and-clinical-neuropsychology  
For general enquiries about the course, please contact: cdl.cn2@unipd.it
SCHOOL OF ENGINEERING
“MATHEMATICAL ENGINEERING”
Curriculum
• Mathematical Modelling for Engineering
  Financial Engineering

Selection of non-EU candidates residing abroad

Available places
- 12 places for the "Mathematical Modelling for Engineering" curriculum; of these, 1 place is reserved for Chinese students on the Marco Polo Programme.

- 3 places for the "Financial Engineering" curriculum, the second year of which is to be attended entirely abroad (France – Paris).

Curricular requirements and adequate educational background
Candidates wishing to enrol in the Second-cycle degree course in MATHEMATICAL ENGINEERING are expected to meet specific curricular requirements and have specific skills and abilities:
- adequate knowledge of basic subjects such as mathematical analysis and calculus, linear algebra and geometry, physics and statistics;
- ability to use common word processing, data analysis, scientific calculus software;
- ability to use the methodological-operative aspects of Mathematics and all the basic sciences useful for the interpretation and description of problems concerning engineering, physics and/or financial engineering, as well as setting and managing experiments, analyzing and understanding the results;
- understand the effect of engineering solutions in the physical, environmental and/or financial fields.

Applicants are also expected to have:
1) degree classification equivalent to at least 84/110;
2) at least B2 level of English.

Criteria for the ranking lists
Once applicants have been deemed eligible for enrolment, the commission will assess the documentation provided by each candidate and a score will be awarded to each candidate. More specifically, candidates will be selected for the "Financial Engineering" curriculum based on:
- degree classification;
- time taken to graduate;
- exam grades.

Further information on the course is available at: www.unipd.it/en/mathematical-engineering
For general enquiries about the course, please contact: didattica@dicea.unipd.it
<table>
<thead>
<tr>
<th><strong>Available places</strong></th>
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<tr>
<td>5 places for non-EU citizens residing abroad; of these, 1 place is reserved for Chinese students on the Marco Polo Programme. The Course also includes another curriculum called Molecular Medicine, the second semester of which is to be spent at the University of Ulm (Germany). A double degree with the University of Ulm is conferred at the end of the studies. Winning students in this selection may participate also in the following selection for this curriculum following the information in a new admission notice that will be published by May, and by attending an English test in Padua.</td>
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<tr>
<th><strong>Curricular requirements and adequate educational background</strong></th>
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<tbody>
<tr>
<td>Applicants wishing to enrol in the second-cycle degree course in MEDICAL BIOTECHNOLOGIES are expected to meet specific curricular requirements and have specific skills and abilities in: - Mathematics – Statistics – Bioethics – Sociology – Ecology – Patent Laws – Chemistry – Biochemistry – Physics – Biology – Pathology – Microbiology – Genetics – Immunology. Applicants must also prove they have an INTERMEDIATE level of English to use this language fluently, both written and orally, including the use of subject-specific lexis.</td>
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<tr>
<th><strong>CRITERIA FOR THE RANKING LISTS</strong></th>
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</table>
| Once applicants have been deemed eligible for enrolment, each candidate will be assessed in terms of:  
  a) **curriculum vitae and cover letter**: the commission will assess the candidate's academic curriculum and grades. In addition to their grades, any educational experiences or studying experiences abroad will also be taken into account. 80% of the whole assessment will be based on curriculum vitae and cover letter.  
  b) **letters of recommendation**: up to 2 letters of recommendations will be taken into account. They need to be written by professors who had the opportunity to get to know the candidate during their university career. 20% of the whole assessment will be based on the letters of recommendation. The commission may also ask candidates for a Skype interview (the importance of which falls under point a) should it be necessary to clarify any doubts on the candidate’s abilities. Only candidates with an overall score of at least 70% will be considered admissible. If the commission opts for a Skype interview and the candidate doesn’t show up, they will be excluded from the ranking list. Should more candidates have the same merit, the youngest candidate will be given priority. |

Further information on the course is available at: [www.unipd.it/en/medical-biotechnologies](http://www.unipd.it/en/medical-biotechnologies)  
For general enquiries about the course, please contact: didattica.medicinamolecolare@unipd.it
SCHOOL OF MEDICINE
“PHARMACEUTICAL BIOTECHNOLOGIES”
Selection of non-EU candidates residing abroad

Places available
10 places for non-EU citizens residing abroad; of these, 3 places are reserved for Chinese students on the Marco Polo Programme.

Curricular requirements and adequate educational background
To enrol in the second-cycle degree course in PHARMACEUTICAL BIOTECHNOLOGIES candidates must have a foreign degree equivalent to a first-cycle degree from classes L-2 Biotechnologies, L-13 Biological Sciences, L-27 Chemical Sciences and Technologies, L-SNT3 – Technical health professions ex DM 270/04 or a degree from classes 1- Biotechnologies, 12- Biological Sciences, 21- Chemical Sciences and Technologies, SNT3 - Technical health professions ex DM 509/99; or they must have passed exams equivalent to the following areas (SSD):
- 50 ECTS in the following areas (SSD): BIO/09 Physiology, BIO/10 Biochemistry, BIO/11 Molecular biology, BIO/12 Clinical biochemistry and Clinical Molecular Biology, BIO/13 Applied Biology, BIO/14 Pharmacology, BIO/15 Pharmaceutical biology, BIO/16 Human Anatomy, BIO/17 Histology, BIO/18 Genetics, BIO/19 General microbiology, CHIM/01 Analytical Chemistry, CHIM/02 Physical chemistry, CHIM/03 General and inorganic chemistry, CHIM/04 Industrial Chemistry, CHIM/06 Organic chemistry, CHIM/08 Pharmaceutical chemistry, CHIM/09 Applied Pharmaceutical Technology, CHIM/10 Food chemistry, CHIM/11 Fermentation Chemistry and Technology, MED/03 Medical genetics, MED/04 General pathology, MED/07 Microbiology and Clinical microbiology, VET/01 Anatomy of Domestic Animals, VET/03 General Pathology and Veterinary pathological anatomy, VET/05 Infectious diseases of domestic animals, VET/07 Veterinary Pharmacology and Toxicology.
In case of candidates with an Italian qualification different from those of DM 509/99 or DM 270/2004 or with a foreign qualification, curricular requirements will be checked by the admission commission.
All candidates are required to have a B1 level of English.

CRITERIA FOR THE RANKING LISTS
Once applicants have been deemed eligible for enrolment, a merit list with an overall score based on an assessment of the applicant’s career will be published will be published.
Should more candidates reach the same score, the youngest candidate will be given priority.

Further information on the course is available at: www.unipd.it/en/pharmaceutical-biotechnologies
For general enquiries about the course, please contact: patrizia.polverinodelaureto@unipd.it, claudia.veronese@unipd.it
Available places

10 places available for non-EU citizens residing abroad; of these, 2 places are reserved for Chinese students on the Marco Polo Programme.

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:

<table>
<thead>
<tr>
<th>CFU/ECTS</th>
<th>Area (SSD)</th>
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<tbody>
<tr>
<td>30</td>
<td>Total number of ECTS in the following areas. For each group, the following are required:</td>
</tr>
<tr>
<td>12</td>
<td>MAT/01-09; SECS-S/01; SECS-P/06</td>
</tr>
<tr>
<td>8</td>
<td>INF/01; ING-INF/05</td>
</tr>
</tbody>
</table>

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: www.unipd.it/en/data-science
For general enquiries about the course, please contact: scienze@unipd.it
**SCHOOL OF SCIENCE**  
**“MOLECULAR BIOLOGY”**

**Curricula:**
- Molecular Biology
- Génétique Moléculaire

**Selection of non-EU candidates residing abroad**

**Available places**
10 places available for non-EU citizens residing abroad; of these, 3 places are reserved for Chinese students on the Marco Polo Programme.

**Admission requirements and educational background**

To be admitted to the course, basic knowledge of the following disciplines is required: essential subjects such as mathematics, physics, computer science with an approach to bioinformatics; disciplines providing knowledge on how the animal and the plant world are organised and principles of ecology; knowledge on functional cellular and molecular aspects regarding heredity, reproduction and development mechanisms. This knowledge is verified by the achievement of:

1) 70 ECTS in the following areas (SSD):
   - **Area 1** (mathematics, physics, computer science, chemistry areas): at least 18 ECTS in areas: FIS/01-08, INF/01, MAT/01-09, CHIM/02, CHIM/03, CHIM/06
   - **Area 2** (botanical, zoological, ecological areas): at least 12 ECTS in areas: BIO/01, BIO/05, BIO/06, BIO/07
   - **Area 3** (biomolecular areas): at least 34 ECTS in areas: BIO/04, BIO/10, BIO/11,BIO/18, BIO/19
   - **Area 4** (physiological, biomedical areas): at least 6 ECTS in areas: BIO/09, MED/42

2) Degree classification equivalent to at least 85/110

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

The ranking list will be drawn up following assessment as per sections 1) and 2).

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:** [www.unipd.it/en/molecular-biology](http://www.unipd.it/en/molecular-biology)  
For general enquiries about the course, please contact: [scienze@unipd.it](mailto:scienze@unipd.it)
SCHOOL OF SCIENCE
“PHYSICS OF DATA”
Selection of non-EU candidates residing abroad

Available places
10 places available for non-EU citizens residing abroad; of these, 3 places are reserved for Chinese students on the Marco Polo Programme.

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:

<table>
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<tr>
<th>CFU/ECTS</th>
<th>Area (SSD)</th>
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<tbody>
<tr>
<td>24</td>
<td>FIS/01-08 with at least 12 in SSD FIS/02 &amp; overall in SSD FIS/03, FIS/04 or FIS/05</td>
</tr>
<tr>
<td>24</td>
<td>MAT/01-09</td>
</tr>
</tbody>
</table>

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: www.unipd.it/en/physics-data
For general enquiries about the course, please contact: scienze@unipd.it