School of Engineering
Call for applications, academic year 2020-2021

Selection for EU and non-EU citizens residing in Italy
Master's degree programme in
Mathematical Engineering – Ingegneria Matematica
Class LM-44 - Mathematical modelling for engineering
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1. MASTER'S DEGREE PROGRAMME, PLACES AVAILABLE, ADMISSION REQUIREMENTS

Master's degree programme and places available

Enrolments for the English-taught Master's degree programme in Mathematical Engineering of the School of Engineering for academic year 2020-2021\(^1\) are open.

The degree programme is broken down into two study tracks:

- Mathematical modelling for engineering and science, unlimited access with requirements
- Financial engineering, limited access

The total number of places available for admissions to the first year of the degree programme amounts to:

- no. 12 places for non-EU citizens residing abroad; of these, 1 place is reserved for students of the Marco Polo project for the study track in Mathematical Modelling for Engineering and Science, already announced in the call for applications for spring selection
- no. 10 places for the study track in Financial Engineering open to EU and non-EU citizens legally residing in Italy
- no. 3 places for the study track in Financial Engineering, already announced in the call for applications for spring selection, open to non-EU citizens residing abroad

In this selection, enrolments are open:

- for the study track in Mathematical Modelling for Engineering and Science, to EU and non-EU citizens legally residing in Italy, holding an Italian qualification, and meeting minimum curricular requirements.
- for the study track in Financial Engineering, to 10 EU and non-EU citizens legally residing in Italy (with a qualification obtained either in Italy or abroad)

1.2 Admission requirements

To enrol in the degree programme, a Bachelor's degree, a three-year university diploma, or a qualification obtained abroad and deemed eligible pursuant to existing legislation (https://www.unipd.it/iscrizioni-studenti-internazionali), is required. The above-mentioned

\(^1\) The first year of degree programmes will be activated upon degree programmes' accreditation, as per Italian M.D. 6/2019. Information on degree programme's activation is available at http://www.unipd.it .
Master’s Degree Program in Mathematical Engineering - University of Padua

Qualifications must be obtained by 12 October 2020, or during the year (only for the study track in Mathematical Modelling for Engineering and Science) before 31 December 2020.

1) Entry qualification’s final graduation mark of at least 84/110, or equivalent;

2) B2 level in English (receptive skills)

3.a) Bachelor’s degree in one of the following classes: L-7 Civil and environmental engineering, L-8 Information technology engineering, L-9 Industrial engineering, L-30 Physics, L-31 Computer Science, L-35 Mathematics, L-18 Business administration Italian M.D.270/04;

OR

3.b) Predetermined number of educational credits (CFU) in the areas (SSD) listed in the table below:

<table>
<thead>
<tr>
<th>CFU</th>
<th>SSD</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>MAT/02, MAT/03, MAT/05, MAT/06, MAT/07, MAT/08, FIS/01, SECS-S/01, SECS-S/02, SECS-S/03, SECS-S/06</td>
</tr>
</tbody>
</table>

Graduates with high expertise, as a result of knowledge and skills specified in their cv, and with an educational background not fully consistent with entry requirements, may be asked to follow a different entry path and/or take a specific admission test.

The selection committee will test candidates with Italian qualification not pursuant to Italian MD 509/99 or 270/2004, and candidates with foreign qualification (only for the study track in Financial Engineering) on curricular requirements.

NB Even though candidates meet the admission requirements for the degree programme, the selection committee may still suggest candidates broaden their knowledge to fully succeed in the Master’s degree programme.

Minimum curricular requirements will be assessed through the online pre-enrolment application and the application for assessment of minimum curricular requirements, as per section 2, both of which are to be submitted compulsory.

The full factsheet of the degree programme is available at [http://didattica.unipd.it/off/2020/LM/IN](http://didattica.unipd.it/off/2020/LM/IN) by clicking on the relevant degree programme. The degree programme lasts 2 years and provides students with 120 CFU. Upon completion, students are awarded the Master’s degree in Mathematical Engineering.
Students with disabilities or Specific Learning Disabilities (SLD) may contact the University Student Service Office - Inclusion (http://www.unipd.it/accoglienza-prove-ingresso) to report any specific need they may have or to get information on economic benefits, and services available during class attendance.

1.3 Part-time enrolment
Students who can study part time only, because of work or family reasons or health conditions, can apply to enrol part time. Information is available on the following web page http://www.unipd.it/studiare-tempo-parziale

2. REGISTERING, PRE-ENROLLING ONLINE AND APPLYING FOR ASSESSMENT OF MINIMUM CURRICULAR REQUIREMENTS

2.1 Registering
If candidates do not have credentials to access Uniweb www.uniweb.unipd.it, they are required to enter their personal data at https://uniweb.unipd.it/AddressBook/ABStartProcesoReqAction.do
After registering, candidates will be emailed a username and an activation code to access the page https://uniweb.unipd.it/password/index.php/it/utenti/identifica/azione/ and set three security questions, along with a new password.
Username and password allow login to personal area on Uniweb https://uniweb.unipd.it.

2.2 Pre-enrolling online
1) Pre-enrolment time frame: All students (graduating by either 12 October or 31 December) must fill out the pre-enrolment application form from 7 July to 12.00 noon on 30 September 2020.
2) Pre-enrolment procedure: following login to the portal https://uniweb.unipd.it with their credentials, candidates should access the pre-enrolment application form by clicking on Home → Admission Test → Proceed with a new Pre-enrolment → Pre-enrolment for limited places → Course Type: ‘Second cycle degree’ → School of Engineering → Mathematical Engineering.

During the procedure applicants will be asked to select the study track and enter their entry qualification for the chosen degree programme, if not already registered into the system. Please note that students of the University of Padua can finalise their pre-enrolment application
only after registering online for graduation or after contacting the Enrolment Unit (immatricolazioni.studenti@unipd.it).

3) Pre-enrolment fee: after confirming the application, applicants should print the summary page and pay the pre-enrolment fee of € 30.00 using PagoPA procedure (instructions available at http://www.unipd.it/modalit-pagamento-pagopa).

4) Contact details: for any difficulty encountered during the online procedure, please contact the University Call Centre from Monday to Friday 9.00am-5.00pm at +39 0498273131 or email immatricolazioni.studenti@unipd.it.

The service may be suspended temporarily for technical updates.

2.3. Assessment of minimum curricular requirements
Following pre-enrolment, candidates should finalise their application by having minimum curricular requirements assessed (mandatory).
Candidates who gained, or are about to gain:

a) a Bachelor's or Single-cycle degree (Italian M.D. 509/99 or 270/04):
must log in with Uniweb credentials and fill in the online self-certification available at www.uniweb.unipd.it/valutazionetitoli, from 7 July to 6.00pm on 9 October 2020. Students who already graduated or are about to graduate from the University of Padua only need to confirm what is displayed and add any activity carried out at other universities. Students who already graduated or are about to graduate from other universities should enter the examinations passed in the career of their entry qualification and of other qualifications deemed eligible for admission.

Once candidates have entered all the elements necessary for assessment (e.g. the final graduation mark, where applicable), the system will assess the candidate as eligible or not eligible. The evaluation will also be displayed in the pre-enrolment procedure in their personal area on Uniweb.
Candidates are advised to carefully read the instructions displayed during the procedure.

b) a degree before Italian M.D. 509/99 or 270/04 (four or five-year degree, university diploma):
must fill in the pdf application form for assessment of minimum curricular requirements, which is available for printing at http://www.unipd.it/domanda-valutazione, and annex it to the online pre-enrolment application, along with a copy of their ID card, by the closing date for pre-enrolment.
Candidates are advised to fill in the form carefully, as no changes are allowed once the form has been annexed to the application.

2.4 Further time frames for applying for assessment of minimum curricular requirements for the study track in Mathematical Modelling for Engineering and Science

The students of Bachelor's or Single-cycle degree programmes (Italian M.D. 509/99 or 270/04) who are going to graduate by 31 December 2020 can complete the online procedure for assessment of minimum curricular requirements, on the web page www.uniweb.unipd.it/valutazionetitoli, from 9 November to 12.00 noon on 22 January 2021, following the aforementioned instructions.

3. ASSESSMENT RESULTS AND ONLINE ENROLMENT APPLICATION

3.1 Assessment results for students graduating before 12 October 2020

3.1.1 Study track in Mathematical Modelling for Engineering and Science

Candidates successfully evaluated (after applying for assessment, as per section 2.3), will be able to enrol after checking that:

- they have been deemed ‘eligible’ following assessment of minimum curricular requirements in the pre-enrolment procedure in their personal area on Uniweb;
- entry qualification data has been entered into Uniweb; data of graduates from the University of Padua will be entered automatically, while graduates from other universities should update such data personally, during pre-enrolment procedure under the item Qualification/Statement uploading

3.1.2 Study track in Financial Engineering

If the number of candidates deemed eligible exceeds the number of places available, a merit list of graduates will be drawn up and made public at http://www.unipd.it/graduatorie-ammissione on 19 October 2020. The merit list will be drawn up according to the following criteria:

- final graduation mark;
- time (months) taken to graduate;
- number of CFU with honours;
- number of examinations with a grade of 30/30.
3.2 Pre-enrolment time frames
Students graduating before 12 October can apply for enrolment as soon as the procedure is made available until 12.00 noon on 26 October 2020, for both study tracks.
Students graduating during the year and before 31 December 2020 can only apply to enrol for the study track in Mathematical Modelling for Engineering and Science from 9 November 2020 until 12.00 noon on 29 January 2021.
Candidates graduating later than 31 December 2020 cannot enrol during the year.

3.3 Enrolment procedure, changing the degree programme or transferring from another university
Please note that the enrolment procedure will be carried out entirely online with no need for candidates to go to the offices in person.
Instructions on enrolment procedure, on how to change the degree programme or transfer from another university will be made public on the following web pages http://www.unipd.it/avvisi-ammissione-corsi and http://www.unipd.it/graduatorie-ammissione.

The Student Office - Enrolment Unit will keep providing assistance, if needed (detailed and up-to-date information is available at https://www.unipd.it/immatricolazioni, email address immatricolazioni.studenti@unipd.it).

Information on compatibility between Master's degree programmes and other careers is available at https://www.unipd.it/node/51408.

4. EDUCATIONAL CREDIT RECOGNITION AND ADMISSION TO YEARS SUBSEQUENT TO THE FIRST

To have educational credits gained during prior careers in Italy recognised, for academic year 2020/2021 candidates should apply for pre-enrolment, as per section 2, and fill in the form in pdf format for credit recognition and career shortening, which is available for printing at http://www.unipd.it/domanda-valutazione.
Candidates should fill in the form and annex it to the online pre-enrolment application, along with a copy of their ID card, by the closing date for pre-enrolment.
Candidates are advised to fill in the form carefully, as no changes are allowed once the form has been annexed to the application.
In assessment results, the Committee will include the year of admission and possible recognition.

5. INTERNATIONAL AND ITALIAN STUDENTS WITH A FOREIGN QUALIFICATION

Admission of students with foreign qualification is subject to provisions of Italian Ministry of University and Research, available at http://www.miur.it/, università - studenti stranieri, after passing the envisaged tests. Candidates with foreign qualification (selection open only for the study track in Financial Engineering) are required to submit the relevant documents for entry qualification eligibility to be checked and assessed in order to be entered onto the ranking list, from 7 July 2020 and before 30 September 2020. Documents will be checked online through the portal apply.unipd.it as per instructions made available at https://www.unipd.it/studiare-inglese-come-fare-domanda

Candidates who passed the admission test and wish to enrol in the degree programme must have all documents checked as per instructions that will be made available on the web page https://www.unipd.it/studiare-inglese-immatricolarsi

In the event of not submitted or incomplete documents, or ineligible qualifications, enrolment will not be finalised. No deferments on documents submission will be allowed.

For any enquiry, candidates should contact the Global Engagement Office - Admissions and Welcome Unit, email international.admission@unipd.it.

6. PERSON APPOINTED TO OVERSEE THE PROCEDURE, PRIVACY, NOTES AND WARNINGS

1) Pursuant to art. 4 of Law no. 241 of 7 August 1990 (New rules on administrative procedures and right to access administrative documents) and subsequent amendments, the head of the assessment committee is appointed to oversee the admission administrative procedure.

2) Person appointed to oversee the procedure for accessing documents: Dott.ssa Roberta Rasa, Head of the Student Office. Candidates may exercise their right to access the competition records following the procedures set forth by Italian Presidential Decree no. 184 of 12 April 2006.

3) Simultaneous enrolment: simultaneous enrolment is subject to regulations available at http://www.unipd.it/avvisi-ammissione-corsi.

4) Existing legislation on statements: in the event of false or untrue statements in the submitted documents, without prejudice to criminal sanctions to be applied in accordance with Italian criminal code and special laws (art. 75 and 76 of Italian Presidential Decree DPR 445/2000), the
candidate’s enrolment automatically lapses. The University of Padua will get back any benefit granted (e.g. scholarships) and will not reimburse any tuition fees already paid. False statements will also entail the possibility of damage claim by counterparts.

Further information on privacy and existing regulations concerning admissions is available at http://www.unipd.it/avvisi-ammissione-corsi.

Any subsequent amendments to this call for applications will be made public:
◊ on the University of Padua’s Register;
◊ on the University’s web pages at http://www.unipd.it/avvisi-ammissione-corsi.

For anything not specified within this present call for applications, reference shall be made to the existing legislation.

Padua, 16/06/2020

The Rector

Prof. Rosario Rizzuto

digitally signed as per Italian legislative decree no. 82/2005