Call for applications
For the international major of
The Master's degree programme in
Nanotechnologies for ICTs
(*Nanotecnologie per le ICT*)
a.y. 2021-2022

(Annex no.1 to Rector's Decree no. 368 of 27/04/2021)

Available at: https://didattica.polito.it/bacheca/area_ing2/
https://didattica.polito.it/lauree_magistrali/2021/en/news_comune

Summary

1 Overview

Politecnico di Torino, based on the agreements undertaken starting from 2010 with the Ecole Polytechnique Fédérale de Lausanne (hereinafter EPFL) and with the Institut Polytechnique de Grenoble (hereinafter INPG), organizes an international Master's Degree Course in Nanotechnologies for ICTs.

The international curriculum includes a first semester at Politecnico di Torino, a second semester at the PHELMA in Grenoble and a third semester at the École Polytechnique Fédérale in Lausanne (EPFL). The fourth and last semester is dedicated to the thesis activity.

Further information is available at the following links:

- https://didattica.polito.it/laurea_magistrale/nanotecnologie/en/international_elective_curriculum
- http://nanotech.grenoble-inp.fr/

Given the peculiar internationality of the training path, the University supports the mobility abroad of all students enrolled in the international path of the Master's Degree Course in Nanotechnologies for ICTs with a scholarship ERASMUS + study integrated with University funds, the assignment of which is subject to the constraints of this Call for applications.

2 Number of places available and mobility scholarships

For the academic year 2021/22 there is a total of 20 places available. Admissions are on a competitive basis among the following categories of applicants:

- European Union students: Italian or European citizens

- Equivalent students[1]

Each of the available places is associated with a mobility grant that covers the additional expenses that a student incurs during his stay abroad compared to what he would spend in Italy. The amounts and disbursement methods are indicated in the following art. 9.

3 Admissions

In order to be admitted to the Master's degree programme in Nanotechnologies for ICTs applicants must meet the requirements listed in article 4 (Requirements) and they are assessed based on the criteria listed in article 6.

Students who already have a Master's Degree can apply to the call, but in case of admission, they will not be able to apply for the recognition of credits from their previous career on the international path of the Master's Degree Course in Nanotechnologies for ICTs.

4 Requirements

4.1 Curricular requirements

The curricular requirements are:

---

[1] Equivalent students are :

- students from Norway, Icaland, Lichtenstein, Switzerland and San Marino;
- non-EU nationals legally residing in Italy with a valid residence permit for study, work or family reasons
- political refugees
- staff members of Foreign Diplomatic Missions (Embassies/Consulates) and International Organizations based in Italy, legally accredited to the Italian Government or to the Holy See (including family members: spouse and children);
- non-EU nationals legally residing in Italy or diplomats who have an Italian high school diploma awarded in Italy or abroad (Law no. 189/2002).

- Bachelor's degree or university diploma obtained after a period of study of minimum 3 years;
- competences and knowledge acquired by applicants during their previous academic path, expressed in credits (ECTS), as further below specified:
  - a minimum of 40 credits (ECTS) earned in the core subjects: CHIM/07, FIS/01, FIS/03, ING-INF/05, MAT/02, MAT/03, MAT/05
  - a minimum of 60 credits earned in distinguishing and related subjects (*attività caratterizzanti ed affini*): CHIM/07, FIS/01, FIS/02, FIS/03, FIS/04, ING-IND/22, ING-IND/31, ING-IND/33, ING-INF/01, ING-INF/02, ING-INF/03, ING-INF/04, ING-INF/05, ING-INF/06, ING-INF/07, MAT/06, MAT/07, MAT/08

Each course can be linked to one or more Scientific Disciplinary Field (SSD). Each Scientific Disciplinary Field can be associated either to core subjects or to distinguishing/related subjects. When a course provides credits that are valid for various Scientific Disciplinary Fields, it may be possible that some course credits are counted to reach the minimum threshold for core subjects, while the remaining credits are counted to reach the threshold required for distinguishing and related subjects.

If you reached the threshold in one field, but you lack less than 10 credits in the other field (core subjects or distinguishing /related subjects) the Teaching Committee will consider if there are similarities among the Scientific Disciplinary Fields and provide guidance. If you lack more than 10 credits, the evaluation of the similarities will be subjected to the final approval of the Coordinator or the Vice Coordinator of the degree programme

Students who are not yet in possession of their Bachelor's degree can submit their application if they have acquired at least 100 ECTS by **March 13, 2021**.

4.2 Language requirements

Applicants must have an English language certificate (B2 level) according to the Common European Framework of Reference for Languages (CEFR). For the purposes of attesting the level B2 in the English language, please consider the following table of certifications or exemptions with respect to possession of the **IELTS 5.0** certification https://didattica.polito.it/cla/en/certificates

The reference table is the "Table adopted on 04/12/2017 updated on 23/12/2020 (transitional)".

4.3 Assessment of GPA

Applicants' average grade is assessed in accordance with the same rules that apply to admissions to all Engineering Master's degree programmes at Politecnico di Torino, as further below specified:

Applicants from Politecnico di Torino

Applications are open to applicants from Politecnico di Torino who are in the following conditions:

- students who completed their Bachelor's degree programme in 4 years or less, regardless of their average grade;
- students who completed their Bachelor's degree programme in more than 4 years but less than 5 years, with a weighted average grade equal to or greater than 21/30;
- students who completed their Bachelor's degree programme in more than 5 years, with a weighted average grade equal to or greater than 24/30[2].

---

[2] The last graduation session available to respect the average requirement is the December one.

Following the resolutions of the Academic Senate, due to the COVID-19 emergency, the academic years 2019/20 and 2021/22 will not be included in the counting years it took you to graduate for admission to the Master's Degree Programmes.

The weighted average grade[3] is calculated on all accrued course credits (graded on a scale of 30) counting towards the achievement of the Bachelor's degree, after having subtracted the worst 28 credits (these 28 credits will not be subtracted in case of career credit recognition).

The duration of your university career is calculated based on the number of academic years you have been enrolled for, starting from your first enrolment in the Italian university system[4]: for full-time students the duration coincides with the number of academic years of enrolment; for part-time students every year of enrolment is counted as half year.

Applicants from other universities

Applicants from other universities must have a weighted average grade equal to or greater than 24/30, regardless of the number of years it took them to graduate.

---

[3] The weighted average is calculated as follows: $\sum$ (grade*credits) / $\sum$ credits.
[4] For credits acquired in other careers, the calculation of the duration of studies is carried out by comparing the credits recognized to the time spent in the career at the Politecnico di Torino.

4.4 Applicants with a non-Italian Bachelor's degree

In order to be eligible to apply, applicants need to meet entry requirements as explained at https://international.polito.it/admission/prospective_students/master_of_science/2021_22/admission_requirements:

- hold a Bachelor's degree or equivalent academic qualification awarded by an accredited foreign university obtained after at least 15 years of previous education (primary and secondary plus university)

- meet the curricular and quality requirements of the Master's degree programme[5] you want to apply for;

- have an English language certificate - B2 level of the Common European Framework of Reference for Languages (CEFR). The requirement is considered satisfied if you are in possession of one of the certifications with the relative minimum score listed at: https://didattica.polito.it/inte/en/apply_msc_lang

5 Application submission

Starting from the publication of this call for applications, students interested in accessing the international path of the Master's Degree Course in Nanotechnologies for ICTs can apply for admission by connecting to the Apply@polito platform.

---

[5] An Academic Commission will verify the adequacy of personal preparation and consistency between the selected degree programs and the previous university career.

The admission request must be submitted by **May 31, 2021**.

5.1 Graduates/ Graduands from other universities

To apply to the programme:

- fill in the online application form. Applicants who have more than one Bachelor's degree must specify which degree they want to present for evaluation and admission to the programme;

- Select the Master's Degree Course in Nanotechnologies for ICTs (international major) from the "**Select your programme**" section;

- Enter the information on their English language certificate in the "Language skills" section. To verify the language certification:

  o Applicants who have an IELTS certificate must enter their TFR number. You can find this number on your certificate or in the message you received by e-mail when the results were published. In this case, it is not necessary to upload a copy of the certificate.

  o Applicants who have a Cambridge certificate must log in to their Cambridge personal page and select the option that allows Cambridge to share your results with Politecnico di Torino (follow the instructions available at https://support.cambridgeenglish.org/hc/en-gb/articles/360021664771-Sending-your-results-to-a-recognising-organisation). Enter their Candidate's ID number – or – if this is not possible – upload their certificate or Statement of results to the Apply@polito platform - "Attachments" section.

  o Applicants who have a TOEFL certificate must enter the code of Politecnico di Torino (C285) when they register for the exam.

Otherwise, they must upload a scanned copy of their TOEFL certificate to the Apply@polito platform – "Attachments" section.

- o Applicants who have a different English certificate (included in the list of accepted certificates published on the CLA website) must upload a scanned copy of their certificate to the Apply@polito platform.

- Submit the application from the "Save and submit" section;

- Pay an application fee of € 100 (this amount will be deducted from your tuition fees if you enrol in the programme, but will not be refunded under any circumstances). Payment methods are the following:
  - o Credit cards (or other payment methods available on the PagoPA platform) generating an immediate payment;
  - o Pre-printed notice of payment (MAV on the PagoPA platform), generating a deferred payment.

Applicants who pay using a deferred payment must go back to the Apply@polito platform and submit a self-declaration of the payment date certifying that the payment was made before the deadline and in Italian territory. This declaration must be submitted by the same deadline (May 31, 2021).

Should the self-declaration be found to be false or incorrect, the first phase of online enrolment will be canceled and the applicant will lose the right to compete for the selection.

5.2 Graduates/Graduands from Politecnico di Torino

To apply to the programme:

- Log in to the Apply@polito platform from their personal page of the Teaching Portal. Applicants who have more than one Bachelor's degree

must specify which degree they want to present for evaluation and admission to the programme.

- Select Master's Degree Course in Nanotechnologies for ICTs (international major) from the "Select your programme" section;

- Enter the language certification, if missing, in the section "Linguistic knowledge". <u>N.B. passing the English language exam organized by the University Language Centre in the academic year 2019/20, aimed at assessing language preparation with respect to the CEFR level required for graduation, does not meet the requirement for access to the master's degree.</u>

- Submit the application from the "Save and submit section".

5.3 Graduates/Graduands with a non-Italian Bachelor's degree

To apply to the programme:

- submit the online application form as explained at https://didattica.polito.it/inte/en/apply_msc_step1

- attach the required documents https://didattica.polito.it/inte/en/apply_msc_step1_docs

6 Evaluation criteria

Applicants in possession of the requirements referred to in point 4 will be evaluated considering:

- the merit achieved in the exams taken during the course of studies

- the results of the interview.

6.1 Academic achievements

Applicants with an Italian Bachelor's degree

Applicants can be assigned up to a maximum of 70 points for their academic achievements.

Applicants with the highest weighted average grade[6] on **March 13, 2021** are assigned up to 70 points, while applicants with lower average grades are assigned proportional scores.

For the purpose of this calculation, Politecnico takes into account also the courses recognized from previous academic paths. Courses that students have advanced from their Master's degree programme are not taken into account.

Applicants with a non-Italian Bachelor's degree

The Evaluation Committee evaluates the academic achievement of applicants with a non-Italian Bachelor's degree. The Committee verifies if these applicants meet the curricular and quality requirements for access to a Master's degree programme of the Politecnico di Torino and through parameterization criteria will assign the score (maximum 70 points).

6.2 Interview

The interview maximum score is 30 points. Applicants are considered eligible for admission to the programme and included in the merit-ranking list if they get a score equal to or greater than 18 points in the oral interview.

Applicants who meet the admission requirements referred to in article 4 must sit an oral interview. Interviews will take place from **14th to 18th June 2021**. Applicants will receive the invitation to the interview by e-mail.

---

[6] The weighted average is calculated as follows: $\sum (grade*credits) / \sum credits$

7 Publication of the ranking list

The overall score is expressed on a scale of 100 points. Student places are assigned in compliance with the provisions referred to in article 2. The ranking list will be published on the General News Board of the Master's degree programmes in and in the News Board of Master's degree programmes:

https://didattica.polito.it/bacheca/area_ing2/

https://didattica.polito.it/lauree_magistrali/2022/en/home

The ranking list classifies the applicants in the following categories:

ADMITTED: refers to the applicants who are admitted to the programme and are actually offered a place in the programme.

ELIGIBLE: refers to the applicants who qualify for admission but are not offered a place because they are not in the top 20 positions of the ranking list. They may be offered a place if some admitted students do not enrol in the programme.

NOT ADMITTED: refers to the applicants who have not reached the minimum score for admission to the programme.

Admitted and eligible applicants must confirm their intention to enrol in the programme using the ticketing service (by selecting the topic Access to master's degrees) in compliance with the deadlines that will be published together with the ranking list. **Failure to do so entails permanent exclusion from the programme.**

After receiving the above-mentioned confirmations, Politecnico di Torino will publish the final ranking list with the names of the students who are admitted to the programme. These students must reserve their place by paying the first instalment of their tuition fees before the deadline that will be announced at a later stage. The amount of the first instalment fee is a standard amount of 200

euros, except for any reductions or revisions thereof, as indicated in the Student Contribution Guide for the 2021/2022 academic year, which is going to be approved by the university bodies at a later date. The amount paid will be deducted by the overall amount of the tuition fees upon enrolment but will not be refunded under any circumstances. Applicants from other universities who have already paid 100€ for the submission of their application must pay the difference between the first instalment of their tuition fees and the application submission fee.

Payment methods are the following:

a. Credit cards (or other payment methods available on the PagoPA platform) generating an immediate payment;

b. Pre-printed notice of payment (MAV on the PagoPA platform), generating a deferred payment.

Applicants who pay using the method illustrated under letter b) must go back to the Apply@polito platform and specify the payment date (with a self-declaration). Failure to do so entails that their payment is not valid. Should the self-declaration be found false or incorrect, the applicant will lose the right to enrol in the programme for a.y. 2021/2022.

8 Enrolment process

8.1 Applicants with an Italian Bachelor's degree

To proceed with enrolment, you need to click on the link "Procedi con l'immatricolazione/Enroll" from the "Evaluations" section in the Apply platform. At the end of the payment phase, the system will show you your student number, ID

and password to access your personal page. Applicants must enroll no later than **November 26, 2021**, penalty the exclusion from the enrolment process.

Applicants from other Italian Universities must complete the enrolment process through a **second phase** (mandatory) – which consists in the identification and personal information check.

Students who still have to complete their enrolment process must go through the identification and verification of personal information: for this purpose, after paying, enrolling students can choose a date for an in-person appointment at Office of the University Registrar's (the date can be selected from the calendar available in the online procedure).

If the University decides to deliver all classes online as a consequence of the ongoing Covid-19 emergency, students will be invited to a remote appointment for the verification of their identity and personal information. In this case, students will book their online appointment from their personal page of the Teaching Portal.

The same procedure will also be implemented in the event of national or international provisions limiting mobility to Politecnico from the country of origin.

The deadline to complete the enrolment is **31/12/2021**. Until the conclusion of this identification phase, students will have limited access to the services available on their personal page of the Teaching Portal (i.e. they cannot request enrolment certificates nor register for any exam etc.)

The system will inform you that your enrolment is not complete on your personal page of the Teaching Portal – Message: "Immatricolazione da completare".

8.2 Special instructions for students with a non-Italian Bachelor's degree

The enrolment process has two phases and is considered completed upon conclusion of both phases. Failure to complete both phases entails the cancellation of enrolment.

- **First phase - online enrolment**: to proceed with enrolment, you need to click on **the link** "Procedi con l'immatricolazione/Enroll" from the "Evaluations" section in the Apply platform, according to the procedure and deadlines set in art. 7 "Publication of the ranking list".

- **Second phase** – enrolment at the International Affairs Area
  Completing the payment phase does NOT mean that you have concluded the enrolment process. You still need to go through the second phase of the enrolment process. The second phase of the enrolment process consists of your identification and verification of your personal data, no later than October 15, 2021, penalty the exclusion from the enrolment process. After paying, enrolling students can choose a date for an in-person appointment at the International Department (the date can be selected from the calendar available in the online procedure). Operational details will be posted on this page: https://international.polito.it/admission/prospective_students/master_of_science/2021_22/enrolment

If the University decides to deliver all classes online as a consequence of the ongoing Covid-19 emergency, students will be invited to a remote appointment for the identification and verification of your personal data. The same procedure will also be implemented in the event of national or international provisions limiting mobility to Politecnico from the country of origin. Until the conclusion of this identification phase, students will have limited access to the services available on their personal page of the Teaching Portal (i.e. they cannot request enrolment certificates nor register for any exam etc.). Politecnico di Torino needs to verify that enrolling students meet the admission requirements and have the required documents. For this reason, enrolling students must upload the educational documents and language certificate required for admission no later than October 15, 2021. Failure to submit the documentation within this deadline entails enrolment cancellation with immediate effect on students' academic progress.

9 Mobility scholarships

Mobility scholarships are offered to all students who are admitted to the Master's degree programme in Nanotechnologies for ICTs (international major), provided that they complete the enrolment process by **November 26, 2021** (for students with an Italian Bachelor's degree) and by **October 15, 2021** (for students with a non-Italian Bachelor's degree).

After this date, admitted students must sign a specific contract following the instructions sent by e-mail by the University. By signing this contract, every student confirms his/her participation in the mobility programme and accepts the scholarship and its terms of payment. Failure to stipulate this contract by the deadlines entails permanent renunciation of the scholarship.

The monthly scholarship for mobility to French partners will be the following:

ISEE/ISEEU	TOTAL MONTHLY SCHOLARSHIP AMOUNT FOR MOBILITY TO FRENCH PARTNERS *Net amount*	
ISEE/ISEEU≤ 13.000	€	800,00
13.000 <ISEE/ISEEU≤21.000	€	750,00
21.000 < ISEE/ISEEU≤ 26.000	€	700,00
26.000 <ISEE/ISEEU≤ 30.000	€	650,00
30.000 <ISEE/ISEEU≤ 40.000	€	600,00
40.000 <ISEE/ISEEU≤ 50.000	€	550,00
ISEE/ISEEU> 50.000	€	500,00

The monthly scholarship for mobility to EPFL partners will be the following:

ISEE/ISEEU	MONTHLY SCHOLARSHIP AMOUNT FOR MOBILITY TO EPFL *(Gross amount – taxes must be paid by the scholarship recipient in accordance with the law)*	
ISEE/ISEEU≤ 13.000	€	750,00
13.000 <ISEE/ISEEU≤21.000	€	700,00
21.000 < ISEE/ISEEU≤ 26.000	€	650,00
26.000 <ISEE/ISEEU≤ 30.000	€	600,00

30.000 <ISEE/ISEEU≤ 40.000	€	600,00
40.000 <ISEE/ISEEU≤ 50.000	€	600,00
ISEE/ISEEU> 50.000	€	600,00

10 Exclusions

Applicants included in the following categories lose the right to be admitted to the Master's degree programme in Nanotechnologies for ICTs (international major) and to receive the scholarship:

- students of Politecnico which do not graduate, do not obtain the English language certification and do not complete the enrolment process by **November 26, 2021**;
- students with an Italian Bachelor's degree who do not complete the enrolment process and do not obtain the English language certification by **December 31, 2021**;
- Students with a non-Italian Bachelor's degree who:
  - do not have the required language certificate when they apply online on the Apply@polito platform https://didattica.polito.it/inte/en/apply_msc_lang
  - do not meet the specific requirements and do not present the documents listed at https://international.polito.it/admission/prospective_students/master_of_science/2021_22/admission_requirements https://didattica.polito.it/inte/en/apply_msc_step1_docs
  - do not complete the enrolment process by **October 15, 2021** https://international.polito.it/admission/prospective_students/master_of_science/2021_22/enrolment

Applicants with an Italian Bachelor's degree who are not admitted to the international path of the Master's degree programme in Nanotechnologies for ICTs can be considered for admission to the national major of the same Master's degree programme or for admission to other Master's degree programmes offered by Politecnico di Torino, if they reach the 140-credit threshold, as provided for by general admission rules.

11 Contacts

For further information about the programme contents, please contact:

Prof. Carlo Ricciardi

Tel. 011-0907398

e-mail carlo.ricciardi@polito.it

For further information on application submission, please send your inquiries through the "Ticketing" service, available on your Apply personal page, by selecting the topic "Admissions to Master's degree programmes".

DISCLAIMER: The English translation of this document is provided as a support to the student community and has no legal effects. The Italian version shall constitute the sole authentic text and will be referred to for any legal matters.