



Albo n. 1786/2020

Call for applications

for the 2nd level Specializing Master's programme in
"Climate Change: adaptation and mitigation solutions"
(2nd edition)

Academic Year 2020/2021

(Annex "A"- Rector's Decree no. 811)



ART. 1 (Programme overview)

The 2nd edition of the 2nd level Specializing Master's programme in "Climate Change: adaptation and mitigation solutions" is offered by Politecnico di Torino for the academic year 2020/2021 within the innovative project "cambiamenti_climatici@polito".

The administrative seat of this specializing Master's programme is located at Politecnico di Torino – Office of Specializing Master's Programmes and Lifelong learning ("Ufficio Master e Formazione Permanente").

The programme is managed by the "Specializing Master's Programmes and Lifelong Learning School" ("Scuola di Master e Formazione Permanente").

The Programme Director is Francesco Laio, Director at the Department of Environment, Land and Infrastructure Engineering of Politecnico di Torino.

ART. 2 (Training objective, didactic contents and organization of the activities)

The second edition of the 2nd level Specializing Master's programme in "Climate Change: adaptation and mitigation solutions" is designed for students and professionals who want to gain a comprehensive understanding of the climate change impact and the innovative technologies that will drive the mitigation and adaptation responses to global warming.

It is a 1-year programme scheduled from January to December 2021, full time from Monday to Friday. It combines 4 taught modules including frontal lectures, lab activities, and hands-on tutorials (from January to July), followed by a 500-hour internship in one of the partner companies (between September and November). The award ceremony will be held on December 2021.

The successful completion of the Master will provide students with 64 ECTSs.

Lectures will be held in English; training activities, except for the site visit and the internship, will take place at Campus Politecnico - Lingotto. The programme is residential.

Politecnico di Torino defined specific operational procedures concerning the measures against the spread of COVID-19 that are constantly updated according to the provisions of the Italian Authorities on this matter (please refers to <http://www.coronavirus.polito.it>).

In case COVID-19 emergency should continue and it would not be possible to hold classes on site, all classes will be guaranteed online, through a virtual classroom platform (on synchronous basis with possibility to register classes to make these available on asynchronous basis). In case Italian national rules allow to hold classes at Politecnico di Torino but some enrolled students would be unable to attend due to their regional or national provisions on COVID-19, these students will be guaranteed the possibility to follow classes online, upon presentation of documentation proving such impeding provisions.

The teaching programme is structured as follows:

- 16 courses – compulsory (44 credits);
- Internships – compulsory (20 credits);

The full list of the Specializing Master's courses is available in Table n.1 – *Organization of the courses*.



Table n. 1 – Organization of the courses

N.	Course	ECTS
1	An Introduction to Climate Change	3
2	Earth Observation and Climate Monitoring	3
3	Climate Policy, Economics and Finance	3
4	Energy Transition and Global Sustainability	2
5	Carbon Capture and Negative Emission Technologies	2
6	CO2 and H2 Underground Storage	2
7	Carbon Footprinting and Carbon Trading	2
8	Sustainable Transport Systems	2
9	Energy-Efficient Buildings	2
10	Renewables	2
11	Climate-Resilient Cities and Communities	3
12	Coping with Extreme Events	3
13	Food-Water Nexus in a Changing Climate	3
14	Sustainable Management	2
15	Resilient Infrastructure Systems	2
16	Corporate Social Accountability	2
17	Green Procurement and Sustainable Supply Chain	2
18	Climate-Change Compliance Reporting and Communication	2
19	Eco-innovation and Social Entrepreneurship	2
	Internship	20
		64

ART. 3
(Admission requirements)

You must hold a full degree (Master of Science degree/Laurea specialistica/Laurea magistrale or equivalent) by the enrolment deadline in the following areas:

- Engineering
- Architecture
- Geography
- Science and technology
- Agricultural sciences
- Mathematics
- Physics



- Biology
- Chemistry
- Economics
- Geoscience
- Computer science

You must prove to have a good knowledge of the English language (equivalent to level B2 CEFR) which can be certified by a language certificate included in the list of the accepted certificates (Table n. 2 – English Language certificates).

Table n. 2 - English language certificates

EXAMINATION BOARD	CERTIFICATE	MINIMUM SCORE ACCEPTED
IELTS https://www.ielts.org/	IELTS (International English Language Testing System) – Academic or General training	5.0
Cambridge English Language Assessment http://www.cambridgeenglish.org/exams/	Cambridge English: PRELIMINARY (PET)	Pass with Merit
	BULATS	Reading & Listening: overall score 54 Writing & Speaking: at least one B2 in one of the tests
Cambridge Assessment English http://www.cambridgeenglish.org/exams-andtests/qualifications/general <i>formerly known as:</i> Cambridge English Language Assessment http://www.cambridgeenglish.org/exams/	All certificates	Cambridge English Scale: score 154
	BULATS	Reading & Listening: overall score 54 Writing & Speaking: at least one B2 in one of the tests
ETS http://www.ets.org/toefl	TOEFL - ibt	62
	TOEFL - cbt	210
	TOEFL - pbt	547
	TOEIC	Listening: 360; Reading: 350; Speaking: 150; Writing: 140
Pearson http://pearsonpte.com/	Pearson Test of English Academic	51
LCCI – EDI / Pearson http://qualifications.pearson.com/en/qualifications/lcci.html	JETSET	JETSET Level 4 Reading, Writing, Listening e Speaking: pass with overall score ("total") "Distinction"
Trinity College London http://www.trinitycollege.com/	Trinity ISE I	Reading, Writing, Listening, Speaking: pass with overall result "Distinction" in all the tests ☐

In alternative to one of the above-listed certificates you can provide, within the deadline for applications, a stamped declaration/certificate written on official letter headed paper, which certifies that:

- a) you have attended at least one school year at a high school in which the medium of instruction is English. In this case the school must issue a certificate stating that: "The medium of instruction is English";



- b) you have a foreign high school diploma which is recognized by the Italian Ministry of Education and Research as equivalent to the Italian high school diploma (diploma di maturità), or you have a higher qualification awarded by a higher education institution in which the medium of instruction is English. In both cases the school must issue a certificate stating that: "The medium of instruction is English".

With regard to points "a" and "b", please note that diplomas awarded by high schools in the USA, UK, Canada, Ireland, Australia and New Zealand do not need to include the phrase "The medium of instruction is English".

The Selection Committee will assess the level of the knowledge of the English language during the oral interview (in accordance with art. 4 of this Call for application), also remotely, if the applicant does not have one of the required English language certificates. Applicants who do not attend the interview are automatically excluded from the selection process.

Candidates unable to attend the interview in presence at Politecnico di Torino may request the Selection Committee, within three days prior to the interview, to have a remote interview. The decision of the Selection Committee is unquestionable. Applicants are required to prove their identity before the interview starts by showing an identification document.

Even if you have not earned your Master's degree yet but you are going to graduate before the enrolment deadline, you can submit your application for admission to the programme.

ART. 4 (Admission and selection process)

Admission and deadline

The 2nd level Specializing Master's programme is open to a maximum of 25 participants.

You can apply for admission for this Specializing Master's programme ONLY through the Application Form available at: https://didattica.polito.it/master/climate_change/2021/how_to_apply.

DO NOT apply by e-mail, fax or mail because these applications will not be considered.

Applications are due by:

- **October 22nd at 1 p.m. - Italian time**

Step 1. Evaluation of applicants' qualifications

ALL the following supporting documents must be attached to your application on Politecnico di Torino website (in English or Italian only):

1. Valid identification document (passport for extra-EU applicants);
2. Curriculum vitae (CV must include the authorization to the processing of personal data – in compliance with the General Data Protection Regulation (EU Regulation 2016/679) and the Personal Data Protection Code, Legislative Decree 30 June 2003 no. 196 and subsequent amendments);
3. List of exams of both Bachelor's and Master's degree programmes:
 - for applicants with degree(s) obtained from a non-Italian University or a private Italian University: official transcript(s), issued by the University of origin, produced on headed paper, containing the full list of all the exams passed and the grades obtained. The transcript(s) must also include the date of the degree conferral.



Upon enrolment, the admitted candidates must submit the original copy of the “Dichiarazione di Valore”/“Statement of validity” (related to the Master’s degree) issued by the Italian Diplomatic Mission in the country where the qualification was awarded. If the Master’s degree was awarded by a European university, admitted candidates can turn in the “Diploma Supplement” instead of the “Dichiarazione di Valore”.

or

- for applicants with degree(s) obtained from an Italian Public University: self-certification (“dichiarazione sostitutiva di certificazione” - Art. 46 DPR 28 December 2000, n. 445) in which applicants declare to have obtained both a Bachelor and a Master’s degrees.

The self-declaration must include: the name of degree, the name of the University, the date of degree conferral and the graduation final grade, the full list of all the exams passed and the grades obtained (these information are required for both degrees).

In compliance with art. 75 of D.P.R. 445/2000, should the self-certification be found to be false or incorrect, the applicant loses any benefit which he/she might have acquired on the basis of the untruthful declaration.

4. Application form and questionnaire (available on the webpage of the Specializing Master’s programme <https://didattica.polito.it/master/home/en/request>)
5. Motivation Letter: max 1 page (please, see the template available at the following link https://didattica.polito.it/master/climate_change/2021/documentation_required)

If you fail to attach even one of the above mandatory documents, you will be excluded from the selection process.

Optional documents can be attached to the application:

- thesis’ abstract: this document is one of the elements attesting the coherence with the Master’s topics;
- English language certificate; candidates who do not submit a certificate and are eligible for the second step of the selection process (see below) will be interviewed to ascertain their knowledge of the English language.

After the application deadline, the Selection Committee assesses all the applications and the attached documents.

The Selection Committee can assign a maximum of 60 points, according to the following criteria:

- degree grade specified in the academic transcription: for applicants who have not earned yet their Master’s degree (but expect to earn it before the enrolment deadline), a score will be awarded based on the weighted average of the exams’ grades received by the candidate at the date of application, as reported in the attached documentation via Apply@Polito (**up to 15 points**);
- significance and coherence with the Master’s topics of the professional and formative experience (e.g., participation in PhD programme or second master’s degree on relevant topics; Master’s thesis on a relevant subject, as testified by the thesis’ abstract attached to the application; participation in conferences, summer schools or workshops; professional or voluntary activity on relevant subjects) (**up to 20 points**);
- English language level – for applicants who attach an English language certificate attesting a level higher than B2 (**up to 10 points**). If the level is B2 or if no certificate is uploaded no points will be assigned.
- Motivation letter (**up to 15 points**).

The final score will be based upon the above-mentioned criteria, up to a maximum of **60 points**; candidates who do not reach the minimum score of **30 points** will be considered as “ineligible” and they will not be admitted to the second step of the selection process.

Step 2. Interview

In this phase, the Selection Committee interviews the applicants who passed the first step of the selection process.



Interviews aim to assess:

- the applicants' motivation;
- any previous experience which may be relevant to the contents of the Specializing Master's programme.

Interviews will take place soon after the deadline for application submission.

Applicants who do not attend the interview are automatically excluded from the selection process.

Candidates unable to attend the interview in presence at Politecnico di Torino may request the Selection Committee, within three days prior to the interview, to have a remote interview. The decision of the Selection Committee is unquestionable.

During the oral interview, the Selection Committee also assesses the level of English competency of the applicants who did not provide any proof of knowledge of the English language (B2 level English certificate).

The Selection Committee can assign a maximum of **40 points** to each applicant for the oral interview.

The overall score is the sum of the score obtained in the first and second steps of the selection process.

The person responsible for the admissions administrative procedure is Mr. Alberto Pusceddu (Head of the Specializing Master's Programmes and Lifelong Learning Office at Politecnico di Torino).

ART. 5 (Selection outcomes)

At the end of the selection process, a merit-ranking list will be published on the online University Bulletin and on the Selection Outcomes page of the Specializing Master Programme's website.

The ranking list will contain:

- the list of applicants admitted to the Specializing Master's programme;
- applicants on the reserve list.

Provided that you have attached all the required documents and fulfilled all the requirements, you will see your position in the rankings and your final score on the Selection Outcomes page, when the official lists are published.

Please note that if you have not yet obtained the Master's degree you will be provisionally accepted. In case you will not obtain the degree within the enrolment deadline (approximately beginning of January 2021) you will not be admitted to the programme.

ART. 6 (Participation confirmation, enrolment, and documents submission)

Participation confirmation

In case you are on the list of applicants admitted to the Specializing Master's programme, in order to confirm your participation, you must comply within the deadline defined by Politecnico for participants to accept the offer and:

- download the Acceptance Declaration, fill it in and send it by e-mail to master.universitari@polito.it;
- pay a 1.000,00 Euro advance fee (see ART. 8). This payment is needed to confirm the acceptance of the offer for the Specializing Master's programme.

You will receive the advance fee payment request in the same day of the publication of the selection outcomes. You will be given a week to proceed with payment.



Failure to send the declaration and payment within the aforementioned terms is considered as final renunciation to the programme.

In case you are a full or partial participation fee-waiver recipient, in accordance with art. 9 of this Call for application, you will be exempted from the advance fee payment.

In case you are on the reserve list, it means that you are eligible for replacement and will have the possibility to enrol in the programme if one or more participants renounce their offer of admissions. In this case, the Office of Specializing Master's Programmes will contact you according to your order on the ranking list.

Admitted students are given a deadline to confirm their participation.

If you decide to decline your offer of admission, you are invited to inform the Office of Specializing Master's Programmes (master.universitari@polito.it) with an official notification.

Enrolment

If you are admitted, you must enrol at Politecnico before the programme starts. You will receive an e-mail with useful information for your enrolment. You are not allowed to be simultaneously enrolled in another Specializing Master's programme nor in any other university programme. If you are enrolled in another programme, you must finish your studies or suspend them before enrolling in the 2nd level Specializing Master's programme in "Climate change: adaptation and mitigation solutions".

Documents submission

After completing the enrolment process, admitted students must present the original documents uploaded to their Application Form to the Office of Specializing Master's Programmes together with the Acceptance Declaration before the programme starts (please refer to art. 4).

If your degree was awarded by a non-Italian University, upon enrolment you must submit the original copy of the Dichiarazione di Valore/Statement of validity (related to your degree) issued by the Italian Diplomatic Mission in the country where the qualification was awarded or Attestato di Comparabilità /Statement of Comparability issued by the CIMEA Centre.

If your degree was awarded by a European university, you can submit your Diploma Supplement instead of the Dichiarazione di Valore/Statement of validity.

If you do not submit your Statement of validity, you can enrol in the programme with condition, but you must present this document within 6 months from the beginning of the programme. If you do not provide the above-mentioned mandatory document by the deadline, you are placed on hold and cannot progress in your studies until you actually present this document.

If you are a non-EU national, you are required to comply with the norms on entry visa and residence permit. You have to submit:

- Student Visa – type D for participants who are non-EU citizens residing abroad;
- Valid residence permit for non-EU citizens residing in Italy.

Politecnico di Torino reserves itself the right to check the truthfulness of the declarations included in self-certificate sent by the applicants (pursuant to Article 46 of DPR. no. 445 of 28 December 2000) and Politecnico excludes them from the ranking list in the event of false declarations.



ART. 7 (Student assessment and final qualification)

The Specializing Master's programme requires you a full-time commitment. You are requested to attend activities for at least 85% of the programme.

Absences for more than this limit lead you to exclusion from the Specializing Master's programme.

Withdraw from the programme must be put in writing.

You cannot be simultaneously enrolled in a Specializing Master's programme and in another university programme.

STUDENT ASSESSMENT

At the end of each course, you have to take an exam consisting in a written test and/or an oral evaluation test.

If you fail the exam, you can arrange a make-up exam directly with the professor responsible for the course. You can take a make-up exam just once.

At the end of the programme, participants make a final presentation (dissertation of their project work conducted during internship) and are assessed for it.

FINAL QUALIFICATION

Upon completion of the programme, participants who regularly attended the activities and earned 64 ECTS (required for graduation), are awarded the "Climate Change: adaptation and mitigation solutions" 2nd level Specializing Master's diploma by Politecnico di Torino. The Diploma will be issued in Italian.

If, at the end of the Specializing Master's Programme, you have not passed all the exams included in your Study Plan you can get a Certificate of Attendance and a Transcript of Records with the list of the exams that you have passed with grades, dates, credits and scientific disciplinary field.

ART. 8 (Participation and enrolment fee)

Participation and enrolment fee

The participation fee is 4.000,00 Euro (four thousand/00) + 19,53 Euro (nineteen/53)** for the enrolment fee.

The total amount must be paid to Politecnico di Torino according to the following instalments:

- 1.000,00 Euro (one thousand/00) advance fee by the date defined by Politecnico as the deadline for accepting the offer of admission to the Specializing Master's programme. You will receive the advance fee payment request in the same day of the publication of the selection outcomes. You will be given a week to proceed with payment. This payment is mandatory to confirm your participation in the Specializing Master's programme; failure to send payment within the aforementioned terms is considered as final renunciation to the programme;
- 2.000,00 Euro (two thousand/00) Euro + 19,53 Euro (nineteen/53) at the time of enrolment (approximately January 2021);
- 1.000,00 Euro (one thousand/00) Euro within six months from the enrolment.

The participation fee and the enrolment fee can be paid through the Apply@polito platform.

Your advance fee (1.000 Euro) can be reimbursed only in the following cases:

- if the Italian Embassy does not issue your Visa (for extra-EU citizens only)
- if the programme does not start, which happens only if the minimum number of participants is not reached.

Enrolling in the programme you accept any obligation and charge related to the payment of the participation and enrolment fee.



If you withdraw from the programme or are excluded from it, you will not be reimbursed your participation fee and enrolment fee under any circumstances.

Admitted students still have to pay € 21,00¹ detailed as follow:

1. Premium for accident insurance: € 5,00
2. Enrolment revenue stamp: € 16,00.

The issue of the Diploma of the 2nd level Specializing Master's programme in "Climate Change: adaptation and mitigation solutions" requires the payment of a revenue stamp.

N.B.: Politecnico di Torino offers to the programme's participants the opportunity to benefit of 10 full participation fee-waivers and of 10 partial participation fee-waivers. For detailed information about the exemption applied to participation fee-waiver recipients, please refer to art. 9 of this Call for application.

Participation sponsored by Third Parties

If your participation in the programme is sponsored by Third Parties (payment of one or more instalments), it will be processed as follows:

- the sponsor must complete and submit the form available at https://didattica.polito.it/master/home/it/finanziamento_quote_per_il_dipendente
- after the end of the admission process, the sponsor will receive a message with:
 - the list of admitted sponsored candidates
 - payment methods.
- The 2nd level Specializing Master's Programme in "Climate Change: adaptation and mitigation solutions" is included in the course catalogue of Politecnico. Therefore, participation and enrolment fees are VAT exempt (Article 4 of DPR 633/72). Upon payment, Politecnico di Torino will issue a payment receipt.

In case of participations sponsored by Third Parties, Politecnico di Torino may provide for exceptions from the provisions related to the number of instalments and to the deadlines scheduled for the payment of the participation and enrolment fee.

If you are enrolled in the 2nd level Specializing Master's Programme in "Climate Change: adaptation and mitigation solutions", including if you are sponsored by Third Parts, you are subject to the rules and provisions of the Tuition Fee Guide concerning failure to pay or late payment and hold on academic progress.

The programme will start only if the minimum number of participants is reached.

ART. 9 (Participation fee-waivers)

Politecnico di Torino offers to the programme's participants the opportunity to benefit of **10 full participation fee-waivers** and of **10 partial participation fee-waivers**.

¹ The insurance premium may change due to new rules adopted by Edisu and to the stipulation of an insurance contract



In order to be eligible for the fee-waivers, applicants must be admitted to the 2nd level Specializing Master's programme in "Climate Change: adaptation and mitigation solutions" a.y. 2020/2021.

Applying for admission to the 2nd level Specializing Master's programme in "Climate Change: adaptation and mitigation solutions" a.y. 2020/2021 you will also apply for the participation fee-waivers.

The Selection Committee will award the participation fee-waivers to the 20 top students on the merit-ranking list published at the end of the selection process (in accordance with art. 4 and art. 5 of this Call for applications).

10 Full participation fee-waivers: the 10 top students on the merit-ranking list will be awarded a full participation fee-waiver. They will have to pay only 21,00 Euro (twentyone/00) for the enrolment fee (in accordance with art. 8 of this Call for applications) and will be exempted from paying the instalments of the participation fee.

10 Partial participation fee-waivers: the students in the position from 11th to 20th on the merit-ranking list will be awarded a partial participation fee-waiver. They will have to pay only 2.000,00 Euro (two thousand/00) Euro + 21,00 Euro (twentyone/00) at the time of enrolment (in accordance with art. 8 of this Call for applications) and will be exempted from paying the advance fee and the second instalment of the participation fee.

Participation fee-waiver recipients are required to attend at least 85% of the programme (including lectures and training activities) in order to meet the criteria for maintaining the exemption. Absences for more than this limit lead you to exclusion from the Specializing Master's programme.

At the end of the selection process, the list of the participation fee-waiver recipients will be published on the Politecnico website on the "Selection outcomes" page.

Participation fee-waiver recipients will have to confirm their acceptance through a declaration form. This form will be published on the website. It must be filled in and sent by email (master.universitari@polito.it) within the deadline that will be communicated (generally within 7-10 days).

In case one or more candidates will not confirm the acceptance within the given deadline, the participation fee-waiver will be re-assigned to students on the reserve list according to their position in the list. The candidates placed on the reserve list will be contacted only if a fee-waiver winner will not confirm. In this case, a new deadline will be assigned.

ART. 10 (Competent office)

The competent office is the Office of Specializing Master's Programmes and Lifelong Learning of Politecnico di Torino.

For any inquiries or additional information, please contact:
Office of Specializing Master's Programmes and Lifelong Learning
Corso Duca degli Abruzzi, 24 - 10129 Torino (ITALY)
e-mail: master.universitari@polito.it

ART. 11 (Processing of personal data)

In accordance with the General Data Protection Regulation (EU Regulation 2016/679) and the "Code regarding the protection of personal data" (Legislative Decree No. 196 of 30th June 2003 and further amendments) personal data are processed by Politecnico di Torino exclusively for the selection and enrolment process in pursuit of the university aims and in accordance with the transparency purposes imposed by the law. The processing of personal data is based on the principles of correctness, lawfulness and relevance of purposes. More information on the processing of personal data is available at: <https://didattica.polito.it/privacy/>



The Data Controller is Politecnico di Torino, represented by the Rector, with statutory seat in Corso Duca degli Abruzzi, 24-10129 Torino.

You can contact the Data Controller at politecnicoditorino@pec.polito.it (certified e-mail).

For further information and inquiries write to privacy@polito.it.

You can contact the Data Protection Officer (DPO) of Politecnico di Torino for inquiries on the processing of your personal data and your rights at: dpo@polito.it; dpo@pec.polito.it (certified email).

Art. 12 (Final provisions)

Communication with candidates will take place primarily through the Apply@Polito platform.

Specific communications might be sent via email or SMS using the contact details provided by candidates during registration on the platform.

Politecnico does not take any responsibility in case of unavailability of recipients and for loss of communications due to inexact indication of a candidate's email address or telephone number or due to delay or failure to notify changes to the contacts provided during registration.

This Call is published on the online University Bulletin available at https://www.swas.polito.it/dotnet/albo_online/.

The same can be found at <https://didattica.polito.it/master/>.