



Public selection for admission to the Master's Degree in

Energy Engineering LM - 30

Academic year 2025/2026 (English translation) DISCLAIMER The only binding version is the Italian one.

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Art. 1 Purpose of this Admission Call

- The present call governs admission to the inter-university Master's degree program in Energy Engineering (Class LM-30), offered jointly by the University of Trento (Department of Civil, Environmental, and Mechanical Engineering) and the Free University of Bozen-Bolzano (Faculty of Engineering) for the academic year 2025/26. A total of **50 places** are available, including a quota of **10 places** reserved for non-European citizens. If the reserved quota for non-European citizens is not filled, these places will be made available to European and equivalent citizens.
- 2. The main language of the course is English. Some courses are offered in German and in Italian.

Art. 2 Target Audience and Admission Requirements

2.1 Categories of Applicants

For the purposes of this admission Call, two categories of applicants are considered¹:

- Europeans and Equivalents: Italian citizens, European Union citizens, or those with equivalent status, hereinafter referred to as "Europeans and Equivalents."
- Non-Europeans: Citizens of countries outside the European Union who are not permanently living in Italy, hereinafter referred to as "Non-Europeans."

It is essential to carefully read **Note 1** in this document to determine your category and proceed correctly with the subsequent steps.

2.2 Admission Requirements

Applicants meeting the following curricular and language requirements are eligible to participate in the selection process described in this call:

i. Possession of a first-level degree (Bachelor's degree) in the classes L-7, L-8, and L-9 as per Ministerial Decree 270/04 or in classes 8, 9, and 10 as per Ministerial Decree 509/99 or
ii. Possession of a university diploma or another academic qualification obtained abroad and recognized as equivalent. The suitability of the qualification will be assessed by the Evaluation Committee referred to in Article 4 of this call through an examination of the academic curriculum. A foreign degree will be

¹ In case of dual citizenship, one of which is European, the latter prevails





considered suitable if the Committee determines that its program includes content and knowledge comparable to those required for candidates holding an academic qualification obtained in Italy.²

 and achievement during the previous university career of a minimum number of credits (ECTS) in the following groups of academic disciplinary sectors (*Settori Scientifico-Disciplinari - SSD*, for degrees obtained in Italy):

² UniTrento reserves the right to request candidates to submit the documentation for the verification of requirements (statement of verification and/or statement of comparability)





SSD	Definizione/Bezeichnung/Definition	Minimum n. of ECTS requested
MAT/03	Geometria – Geometrie - Geometry	24
MAT/05	Analisi Matematica – Analysis - Mathematical analysis	
MAT/07	Fisica Matematica – Mathematische Physik - Mathematical physics	
MAT/08	Analisi Numerica – Numerische Analysis - Numerical analysis	
MAT/09	Ricerca Operativa – Unternehmensforschung - Operational research	
SECS-S/02	Statistica per la Ricerca Sperimentale e Tecnologica - Statistik für die Experimentelle und Technologische Forschung - Statistics for experimental and technological research	
CHIM/03	Chimica Generale e Inorganica – Allgemeine und Anorganische Chemie - General and inorganic chemistry	16
CHIM/06	Chimica Organica – Organische Chemie - Organic chemistry	
CHIM/07	Fondamenti Chimici delle Tecnologie – Grundlagen der Chemischen Technologie - Chemical foundations of technologies	
FIS/01	Fisica Sperimentale – Experimentalphysik - Experimental physics	
FIS/03	Fisica Della Materia – Materienphysik - Physics of matter	
ING-IND/22	Scienza e Tecnologia dei Materiali – Werkstoffkunde - Materials science and technology	
ING-IND/08	Macchine a Fluido – Fluidmaschinen - Fluid machinery	45
ING-IND/10	Fisica Tecnica Industriale – Technische Industriephysik - Thermal engineering and industrial energy systems	
ING-IND/11	Fisica Tecnica Ambientale – Technische Umweltphysik	
ING-IND/12	Misure Meccaniche e Termiche – Mechanische und Technische Messverfahren - Mechanical and thermal measurements	
ING-IND/13	Meccanica Applicata alle Macchine – Maschinenelemente und Angewandte Mechanik - Applied mechanics	
ING-IND/15	Disegno e Metodi dell'Ingegneria Industriale – Technisches Zeichnen und Methoden des Industrieingenieurwesens - Design methods for industrial engineering	
ING-IND/16	Tecnologie e Sistemi di Lavorazione – Fertigungstechnologien und –systeme - Manufacturing technology and systems	





ING-IND/17 Impianti Industriali Meccanici – Industrieanlagen - Industri	al
mechanical plants	
ING-IND/25 Impianti Chimici – Chemieanlagen - Chemical plants	
ING-IND/31 Elettrotecnica – Elektrotechnik - Electrical engineering	
ING-IND/32 Convertitori, Macchine e Azionamenti Elettrici – Konvert	ter
und Elektrische Maschinen - Power electronic converter	rs,
electrical machines and drives	
ING-IND/33 Sistemi Elettrici per l'Energia – Elektrische Energiesystem	ne
Electrical power systems	
ICAR/01 Idraulica – Hydraulik - Hydraulics	
ICAR/02 Costruzioni Idrauliche e Marittime e Idrologia - Hydraulisch	he
und maritime Konstruktionen und Hydrologie - Hydraulic ar	nd
marine contructions and hydrology	
ICAR/03 Ingegneria Sanitaria-Ambientale - Gesundheits- ur	nd
Umwelttechnik - Sanitary and environmental engineering	
ICAR/06 Topografia e Cartografia – Topo- und Kartographie	-
Topography and cartography	
ICAR/08 Scienza delle Costruzioni – Konstruktionslehre - Structur	ral
mechanics	
ICAR/17 Disegno – Zeichnen - Drawing	
ING-IND/14 Progettazione Meccanica e Costruzione di Macchine -	
Mechanische Konstruktion und Maschinenbau -	
Mechanical design and machine construction	

iv. A minimum average grade in the bachelor (not including the final exam) of at least 22/30 (Italian system).

- v. good knowledge of the English language, at least B2 level of the Common European Framework of Reference for Languages certified as follows:
 - English Language qualification awarded from an internationally-recognized entity³. The selection committee may also consider certificates not responding to these criteria and evaluate their eligibility;
 - or having passed the B2 English language exam or higher in another University, provided all four linguistic abilities were tested;
 - or declaration issued by the university where the Bachelor's or Master's degree was awarded, proving that English was the medium of instruction;

³ See accepted certificates on the webpage of the UniTrento Language Centre - CLA





- or holding a secondary school leaving qualifications where the main teaching language of the final year was English;
- or declaring in the on-line application to be a citizen of a country where the official language is English.
- or, only in case of Italian, EU citizens and non-EU citizens living in Italy, having passed the test organised by the UniTrento Language Centre as specified on the master programme web page.
- vi. candidates who do not hold the degree at the time of application may apply provided they obtain their bachelor's degree⁴:
 - within 30 June 2025 in case of Non-Europeans;
 - within 31 October 2025 in case of Europeans and Equivalents;
- vii. European and equivalent citizens who do not have the language certification and/or some of the curricular requirements (i.e. credits in specific areas) within the deadline for application, are still eligible to apply. Should they result eligible for admission to the master's degree in Energy Engineering, they will be conditionally admitted and will have to meet any missing requirements no later than 31 October 2025. Candidates who do not meet such requirements within the deadline shall not be admitted to the Master programme, except for the possibility mentioned in point 2.
- 2. At the conclusion of the admission and/or enrolment process, any unfilled positions may be assigned to eligible European and equivalent candidates on the ranking list who have not met the required criteria by October 31, 2025, as stipulated, provided that such requirements are fulfilled before enrolment.

Art. 3 Application procedures and submission dates

 Candidates seeking admission to the selection process must complete the online application form at the <u>Application</u> webpage.

It will be possible to log into the application system as follows:

⁴ Expected graduation date shall be declared in the online application



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- through identification via SPID
- with an <u>electronic ID (CIE)</u>
- through a username "@unitn.it"

- through a temporary username "@guest.unitn.it" that can be created inserting personal details and an email address in the online system.

- 2. Submission of applications is divided into two sessions, according to the following deadlines:
 - a) I call: from December 20th 2024 to March 6th 2025, 12.00 noon (CET) for all categories of students (Non-Europeans and Europeans and Equivalents);
 - b) II call: from April 14th 2025 to July 1st 2025, 12.00 noon (CET) only for Europeans and Equivalents.
- Technical problems in filling out the online application must be immediately communicated by email to masterenergy@unitn.it. Applications submitted after the application deadline and/or in different ways than those expressed in comma 1 of the present article will not be accepted.
- 4. To complete the online application correctly, candidates must upload the following documents:
 - a. a copy of the passport (only pages related to personal information) or the identity card (only for EU citizens⁵);
 - b. copy of Bachelor's Degree Diploma, if already awarded ⁶ (attach an official translation if this document is not in Italian or English);
 - c. academic transcript⁷ including courses, credits, marks awarded and GPA (weighted average). The transcript must include the grading scale, i.e. minimum to maximum range of marks, if the degree was not obtained in Italy. If the degree was obtained in Italy it must also include the Academic Disciplines (Settori Scientifico Disciplinari – SSD). An official translation has to be provided if this document is not in Italian or English;
 - d. English Language qualification, as per art. 2;

⁵ Italian candidates do not have to upload an identity card.

⁶ Students and graduates from an Italian University have to submit a self-declaration according to DPR 445/2000. UniTrento students/graduates do not have to upload this document.

⁷ Students and graduates from an Italian University have to submit a self-declaration according to DPR 445/2000. UniTrento students/graduates do not have to upload this document.



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- URL about the video presentation which does not have to last more than 3 minutes. In the video the applicant must present him/herself, explaining his/her experiences, the topic of his/her final thesis work and his/her interest in the field of Energy Engineering: instructions are available on the webpage of the master programme;
- f. if applicable, any other certificate of post-graduate Diploma (Master's) already awarded when submitting the application and including final grade, credits and marks achieved in each subject and GPA (an official translation of the transcript of records is required when the original document is not produced in English or Italian).
- Applicants are required to pay an application fee of €30,00 (thirty) using one of the methods requested during the online application process within the given deadline for applications (March 6th 2025 for the first call, July 1st 2025 for the second call). Failing to pay the application fee within the given deadline will automatically lead to the exclusion of the applicant.

Art. 4 Selection and ranking

- The selection Committee is made up of at least three members chosen from among the teaching staff of the Department of Civil, Environmental and Mechanical Engineering from the University of Trento and of the Faculty of Engineering of the Free University of Bolzano-Bozen and is nominated via Rectoral Decree. The Committee meetings may be conducted electronically.
- The Committee verifies regularly submitted applications and, for eligible candidates only, proceeds to assess the fulfilment of curricular requirements and the adequacy of the candidates' personal preparation.

The adequacy of personal preparation is considered fulfilled if at least one of the following criteria is met:

- a) Achievement of a Bachelor's degree grade equal to or greater than 100/110 (or an equivalent score for foreign qualifications).
- b) Completion of at least 80% of the ECTS credits of the first-level degree program with a weighted average grade equal to or greater than 26/30 (or an equivalent score for foreign qualifications).
- c) Successful performance in an oral interview aimed at verifying basic knowledge in applied thermodynamics, heat transfer, electrical engineering, and fluid machinery.
- 3. The evaluation is carried out by allocating points (max. 100) in accordance with the following criteria:





- Curriculum studiorum (evaluation of the previous first-level university career, including educational and academic activities, as well as professional experiences) and consistency between the obtained qualification and the objectives of the Master's degree program in Energy Engineering (max. 50 points);
- b. Evaluation of personal preparation (degree final grade, GPA, and, if applicable, an interview) (max. 30 points)
- c. Further language competences in English if the level is higher than B2 (max. 10 points).
- d. video presentation⁸ (max 3 minutes) (max. 10 points)

In case the documents included in the online application do not allow the selection committee to adequately evaluate the application, the candidate might be asked to send further documentation (e.g. programmes of the courses taken) and/or to participate in an interview (in person or via videoconference).

- 4. Candidates awarded a score of **50/100 or more** will be considered eligible.
- 5. In the event that two or more candidates obtain the same score in the ranking list, preference will be given to the youngest one.
- At the end of the evaluation process, the ranking lists of admitted candidates will be published on the webpage of the master programme.

Art. 5 Admission and enrolment

 Admitted candidates who have passed the selection procedure will have to pay an Enrolment confirmation fee of €100.00 (one hundred euro) within the deadline indicated in the ranking list or communicated alongside the ranking list to confirm their acceptance of the place. This fee is nonrefundable under any circumstances. Payment of the confirmation fee will not be required from those admitted through the second call, provided they complete the enrolment procedure within 7 days of receiving the admission notification.

⁸ The video presentation will only be evaluated if the overall grade obtained from the evaluations as per points a. and b. will be above a minimum threshold established by the evaluation committee. This is due to the fact that candidates who do not reach this minimum threshold will not be able to reach the minimum score for admission (i.e. 50/100) even if they get a high score for the video presentation.



 Successful candidates who fail to complete the steps set out in the point above shall be considered as having renounced their place. Candidates who intend to renounce their place for whatever reason are required to notify the committee as soon as possible, by sending an e-mail to masterenergy@unitn.it.

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- 3. Should any places become available due to withdrawals or for any other reasons, these will be awarded based on the order of the ranking list.
- 4. Non-European citizens who apply and pay the Enrolment confirmation fee must pre-enrol at the Italian diplomatic representative in their own country. The pre-enrolment must be submitted by the deadline indicated in the "Italian Government regulations for the enrolment of Visa requesting students" document⁹. Pre-enrolment is compulsory in order to obtain the Visa.
- 5. All Non-Europeans have to be present in Italy no later than **30 September 2025**. Candidates who fail to arrive within this date will be excluded from admission to the programme. In exceptional cases, the Department may evaluate the possibility of granting an extension; however, such an extension cannot be granted beyond 31 October 2025, even if the delay is due to circumstances beyond the candidate's control.
- 6. Information about the enrolment to the Master in Energy Engineering will be provided by the Master Manager after the publication of the ranking list.
- 7. Students who will not complete the enrolment within the given deadline will be considered withdrawals.

Art. 6 Tuition fees for Non-European students

- The maximum amount of annual tuition fees for non-EU citizens living abroad is €6.000 per academic year. Further details are available at the webpage <u>Tuition fees.</u>
- 2. The amount of tuition fees for admitted students can be reduced on the basis of the application score as follows:

Tuition Fees Amount	Application score
Tuition waiver	Application score between 90/100 and 100/100
€ 1.000	Application score between 70/100 and 89,9/100

⁹ The information will be published at the following webpage <u>Studiare in Italia</u>.



€ 2.000	Application score between 60/100 and 69,9/100
€ 4.500	Application score between 50/100 and 59,9/100

3. In the second year of the program, students who have paid tuition fees in the first year may be fully exempted by acquiring at least 42 ECTS credits by the deadline of August 10, 2025 (summer exam session in June-July). Conversely, students who fail to acquire the required minimum number of credits by August 10 will be required to pay the tuition fees for the second year, as specified below:

Fee amount or fee waiver	N. of credits achieved by 10 August
	≥ 42
Fee waiver	
	36 ≤ CFU < 42
1.000€	
	24 ≤ CFU < 36
2.000€	
	6 ≤ CFU< 24
4.500€	
	CFU < 6
6.000€	

Art. 7 Scholarships for non-European students

- Non-European candidates ranked at the top of the list, provided they achieve a score of at least 70/100, may be awarded a scholarship. The number of available scholarships and their allocation will be disclosed at the same time as the publication of the ranking. The candidate who receives a scholarship, even following a shift in the ranking, will be exempt from paying tuition fees. Students who turn out to be in the "fee waiver" bracket are not necessarily entitled to receive a scholarship from the University of Trento.
- 2. The scholarship is intended as a partial contribution to mobility expenses and will be paid only after arrival in Italy. The scholarship may be awarded for the following academic year if the student meets the merit requirements established by the University.

Art. 8 Tuition Fees and scholarships for Europeans and Equivalents

 The amount of tuition fees for Europeans and Equivalents students is available at the webpage <u>Tuition fees</u>. The amount can be partially or totally reduced according to the economic situation of the student's family (ISEE).



2. Information on scholarships, accommodation and tuition fee waiver for Europeans and Equivalents are published on the page <u>Scholarships</u>.

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Art. 9 Admission to the second year, study course change and transfer

- Students having already passed exams of the first year of the Master's degree in Energy Engineering, or exams for courses taken in previous careers and recognized as equivalent to those of the said Master programme, may request to be enroled directly in the second year, provided they meet all the admission requirements and pass the selection for admission as set out in the present Call. Students can be admitted to the II year only in case of available positions and provided at least 24 credits are transferable to the new career.
- 2. Candidates requesting credit transfer for admission to the second year need to submit an application for credit transfer providing all the programmes of the courses for which they request recognition. A committee for the evaluation of credit transfer applications nominated by Study Course Council, will evaluate those applications. Candidates should apply for credit transfer evaluation within 15 May 2025 if they wish to obtain the result of the evaluation within the final deadline for applying to the present Call.
- 3. The outcome of the application for credit transfer, if submitted within the above deadline (15/05/2025), will be available within 20 June 2025.
- 4. Students who do not meet the requirements for the admission to the second year will be admitted to the first year only if an application was submitted under this call and the candidate resulted eligible and on the ranking list.
- 5. Candidates wishing to transfer from another master course or another Italian university need to participate in the present selection and result eligible in the ranking list. After passing the selection, they may apply for transfer to UniTrento according to the procedures and deadlines described on the University's webpage.

Art. 10 Useful Information and contacts

 For information on the admission process: International Mobility Office – Science and Technology Area tel. +39 0461 282587 - 3236 email: masterenergy@unitn.it





2. It is recommended to carefully research the cost of living in Trento.

3. Degrees Obtained Abroad

Degrees obtained abroad that are valid for admission to higher education institutions in Italy are specified in Annexes 1 and 2 of the Ministerial Circular, published on the <u>Universitaly</u> website. Degrees issued by officially recognized institutions for attending courses accredited within the education system of the foreign country are considered eligible: further details can be found on the <u>Enic-Naric</u> website. UniTrento reserves the right to request the submission of documentation necessary for the evaluation of requirements (statement of verification and/or statement of comparability).

The verification of degrees obtained abroad is carried out only after the completion of the admission and pre-enrolment procedure outlined in Article 5 of this Call for Applications. UniTrento does not assess the eligibility of the degree in any way prior to the completion of this procedure.



Note 1 Italian, European, Equivalent, and non-European candidates.

Candidates belonging to the category "European and equivalent candidates"

According to the provisions of this call for admission, individuals considered "European and equivalent candidates" include people who have:

- Italian citizenship, even if it is one of two citizenship held in case of dual citizenship, the Italian citizenship prevails on the non-Italian one;
- Citizenship of one of the countries of the <u>European Union</u>, even if it is one of two citizenships held in case of dual citizenship, the European citizenship prevails on the non-European one;
- Citizenship of Norway, Iceland, Liechtenstein, Switzerland, the Republic of San Marino, or the Vatican City State;
- Citizenship of any country not listed in the above sections (hereafter referred to as "non-EU"), who
 are permanently residing in Italy and hold one of the following types of stay permits. These
 permits must be valid at the time of application to this selection call and must be renewable until
 the completion of the degree or master's degree for which the candidate is applying.
- Stay permit for study reasons
- Long-term stay permit
- Stay permit for salaried employment or self-employment
- Stay permit for family reasons
- Stay permit for political asylum
- Stay permit for subsidiary protection
- Stay permit for religious reasons
- Stay permit related to the recognition or revocation of refugee status, as regulated by <u>Legislative</u>
 <u>Decree No. 25 of January 28, 2008</u>
- Non-EU citizens permanently residing in Italy who have obtained a secondary school diploma in Italy.



Candidates belonging to the category "Non-European candidates residing outside Italy"

This category includes the following candidates:

 Citizens of countries outside <u>European Union</u>, Norway, Iceland, Liechtenstein, Switzerland, the Republic of San Marino, or the Vatican City State who are not permanently residing in Italy (hereafter referred to as "non-European citizens");

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- non-European citizens who hold an Italian stay permit for study purposes and who are not permanently living in Italy;
- non-European citizens who are in Italy with a temporary protection permit but are not permanently
 residing in Italy and have not obtained a secondary school diploma in Italy. However, if a
 secondary school diploma has been obtained in Italy and the individual permanently lives in Italy,
 such candidates fall under the category of "European and equivalent candidates" and must
 therefore follow the instructions designated for that category in this admission call for applications.





Note 2 – Information on the processing of personal data

Regulation (EU) 2016/679, the "General Data Protection Regulation" (hereinafter "GDPR"), provides that everyone has the right to the protection of personal data concerning him or her.

In compliance with Article 13 of the EU Regulation 2016/679, the University of Trento provides the present notice to persons who want to participate in this selection procedure (hereinafter "data subjects").

1. Data controller

The Data controller is the University of Trento, via Calepina 14, 38122 Trento; email: <u>ateneo@unitn.it;</u> <u>ateneo@pec.unitn.it</u>.

2. Contact details of the Data Protection Officer (DPO)

The DPO can be contacted to request information on personal data at the following email address: dpo@unitn.it.

3. Purpose of the processing and legal basis

The University of Trento shall process personal and particular data exclusively for the management of this selection procedure, as part of the performance of its public interest tasks as well as for the fulfilment of legal obligations (article 6(1), points e) and c), article 9(2), point. g) of the GDPR and article. 2 (1) sexies, points. aa) and bb) D.lgs. 196/2003 and following amendments).

4. Acquisition of data

The provision of personal data for the purposes indicated above is mandatory to participate in the selection procedure; failure to provide it will make it impossible to participate. The provision of particular data is optional and failure to provide it will make it impossible for the University to guarantee the use of the facilities requested.

5. Data processing methods

The processing of personal data shall be carried out manually and by automated means by authorised staff, according to their tasks. Personal data shall be processed lawfully, fairly and transparently,



confidentially, in a manner that is adequate, relevant and limited to what is necessary in relation to the purposes for which they are processed (GDPR, article 5(1)).

No profiling is carried out, and decision are not taken by automated means.

6. Recipients of personal data

Personal data will be disclosed to all the University personnel acting for the above-mentioned purposes.

In any case, personal data must be disclosed in compliance with legal obligation and/or a provision of the judicial Authorities.

7. Data retention period

Personal data will be stored as long as necessary to fulfil the purposes for which they were collected, and in any case as long as it is necessary by law. In any case, the data will be stored as long as necessary by the regulations in force and/or by University regulations on the storage of administrative documents relevant to the performance of its services.

8. Rights of the data subjects

At any time the data subject can exercise the rights referred to in article 15 et seq. of the GDPR towards the Data Controller, at the contact details indicated above, and in particular: the access to his/her own personal data and to other information as mentioned in art. 15 of GDPR; the request of rectification of his/her own personal data when inaccurate and/or their integration when incomplete; the erasure of his/her own personal data, except when the University is obliged to data storage to comply with article 17 (3) of the GDPR; the restriction of processing as per article 18 of the GDPR; the object to processing of personal data concerning him or her when allowed as per art.21 GDPR.

This is without prejudice to the right to lodge a complaint with the Supervisory Authority pursuant to Art. 77 of the GDPR and/or to take the appropriate judicial offices.