



Public selection for admission to the Master’s Degree in

Energy Engineering

LM - 30

Academic year 2024/2025

(English translation)

DISCLAIMER

The only binding version is the Italian one.

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Art. 1 Public Selection

1. The University of Trento announces a public selection based on qualifications and interview, in order to select students for admission to the first year of the Master's Degree Programme in Energy Engineering for the academic year 2024/2025. The Master's in Energy Engineering is offered jointly by the Department of Civil, Environmental and Mechanical Engineering of the University of Trento and the Faculty of Engineering of the Free University of Bolzano-Bozen. Entry is restricted to **50¹ positions**. This figure includes **5 places** reserved for non-EU citizens living abroad. Any places remaining after the first selection round will be available for EU citizens and non-EU citizens currently living in Italy.
2. Candidates will be selected on the basis of the admission requirements stated in the present call.
3. The main language of the course is English. Some courses are offered in German and in Italian.

Art. 2 Admission Requirements

1. Applications are accepted to the selection process from:
 - a) Non-Eu citizens living abroad
 - b) EU citizens
 - c) Non-EU citizens currently living in Italy

Who satisfy the following requirements:

- i. a bachelor's degree awarded in Italy belonging to the following classes: classes L-7, and L-9 according to law "DM 270/04" or classes 8 and 10 according to law "DM 509/99";
- ii. **or** a bachelor's degree in a class different from the above or a university diploma or a degree title awarded abroad² recognized as suitable according to the regulations of the master; the Admission Committee will evaluate if the study plan of the degree title meets the admission requirements.

¹ If the candidate has double citizenship, one of which from an EU country, the latter prevails.

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) according to the procedure indicated at the webpage [diploma verification](#).



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- iii. **and** have obtained in the previous degree a minimum number of credits in the following groups of Academic Disciplines (*Settori Scientifico-Disciplinari - SSD*, for degrees obtained in Italy):



SSD	Definizione/Bezeichnung/Definition	N° minimo CFU richiesti	
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	16	
CHIM/03	Chimica Generale e Inorganica – Allgemeine und Anorganische Chemie - General and inorganic chemistry		
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 - Industrial 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 – Konverter und Elektrische Maschinen - Power electronic converters, electrical machines and drives
ING-IND/33	Sistemi Elettrici per l'Energia – Elektrische Energiesysteme - Electrical power systems
ICAR/01	Idraulica – Hydraulik - Hydraulics
ICAR/02	Costruzioni Idrauliche e Marittime e Idrologia - Hydraulische und maritime Konstruktionen und Hydrologie - Hydraulic and marine constructions and hydrology
ICAR/03	Ingegneria Sanitaria-Ambientale - Gesundheits- und Umwelttechnik - Sanitary and environmental engineering
ICAR/06	Topografia e Cartografia – Topo- und Kartographie - Topography and cartography
ICAR/17	Disegno – Zeichnen - Drawing
ICAR/08	Scienza delle Costruzioni – Konstruktionslehre - Structural mechanics
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](#)



- 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 page [How to prove language proficiency](#)
- vi. candidates who do not hold the degree at the time of application may apply provided they obtain their bachelor's degree:
- **within 30 June 2024** (unless extensions are approved) in case of non-EU citizens living abroad (first Call);
 - **within 31 October 2024** (unless extensions are approved) in case of Italian, EU-citizens or non-EU citizens living in Italy (second Call);
- vii. EU-citizens or non-EU citizens living in Italy 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 2024, unless extensions are approved. Candidates who do not meet such requirements within the deadline shall not be admitted to the Master programme.
2. At the end of the admission and enrollment process applicants who are conditionally admitted in the ranking list and who are Italian citizens, EU citizens or non-EU citizens resident in Italy, who did not graduate as foreseen by the given deadline, may be admitted in case of available positions.

Art. 3 Application procedures and submission dates

1. Candidates seeking admission to the selection process must complete the online application form at the [Application](#) webpage.

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

- through [identification via SPID](#)



- with an [electronic ID \(CIE\)](#)
 - 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 19th 2023 to March 8th 2024, 12.00 noon (CET)** for all students (non-EU citizens living abroad, EU citizens, non-EU citizens currently living in Italy);
 - b) **II call:** from **April 15th 2024 to July 1st 2024, 12.00 noon (CET)** for EU-citizens and non-EU citizens currently living in Italy.
 3. 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 citizens⁴);
 - b. copy of Bachelor’s Degree Diploma, if already awarded ⁵ (attach an official translation if this document is not in Italian or English);
 - c. academic transcript⁶ 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;
 - e. 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

⁴ Italian candidates do not have to upload an identity card.

⁵ 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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thesis work and his/her interest in the field of Energy Engineering: instructions are available on the webpage [How to apply](#).

- 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).
5. Applicants are required to pay an application fee of €15,00 using one of the methods requested during the online application process within the given deadline for applications (March 8th 2024 for the first call, July 1st 2024 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

1. 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 selection Committee will evaluate whether the selection procedures have been correctly observed, and will subsequently evaluate if the admissible candidates fulfil the entry requirements set out in the regulations governing the Master's Degree course in Energy Engineering.

In case of a degree different from those awarded according to DM 509/99 or DM 270/2004 or a degree awarded abroad, the Committee will verify if the candidates' personal competencies match the master's learning objectives by examining the documents enclosed in the online application and, if necessary, through an oral interview.

2. The evaluation is carried out by allocating points (max. 100) in accordance with the following criteria:
 - a. Coherence between the candidate's previous studies and the objectives of the Master's Degree in Energy Engineering (max. 20 points);
 - b. Curriculum studiorum: evaluation of first-level career, e.g. final grade, GPA, professional experiences, courses, interview if applicable). (max. 60 points)
 - c. Further language competences in English if the level is higher than B2 (max. 10 points).



- d. video presentation⁷ (max 3 minutes) (max. 10 points)
3. 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). Candidates awarded a score of **50/100 or more** will be considered eligible.
4. In the event that two or more candidates obtain the same score in the ranking list, preference will be given to the youngest one.
5. At the end of the evaluation process, the ranking lists of admitted candidates will be published on the webpage [Results and pre-enrollement procedures](#).

Art. 5 Admission and enrolment

1. Admitted candidates who have passed the selection procedure will have to pay an Enrollment confirmation fee of €100.00 (one hundred euro) within the deadline communicated in the notification email to confirm their acceptance of the place. This payment will not be reimbursed in any case.
2. 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.
3. Should any places become available due to withdrawals or for any other reasons, these will be awarded to the next eligible candidate in the ranking list.
4. Non-EU citizens living abroad who apply and pay the Enrollment confirmation fee must pre-enroll 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 enrollment of Visa requesting students" document⁸. Pre-enrolment is compulsory in order to obtain the Visa. All candidates are advised to read the procedures that must be followed at the webpage [Non-Eu citizens living outside Italy](#).

⁷ 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.

⁸ The information will be published at the following webpage [Studiare in Italia](#).



- All non-EU applicants living outside Italy have to be present in Italy no later than **31 October 2024**. Candidates who fail to arrive within this date will be excluded from admission to the programme. No extension can be granted for any reason whatsoever, even if the cause of non-arrival is independent of the candidate.
- Information about the enrollment to the Master in Energy Engineering will be provided by the Master Manager in due time. Students who will not complete the enrollment within the given deadline will be considered withdrawals.

Art. 6 Tuition fees and scholarship for non-EU citizens living abroad

- 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 [Tuition fees](#).
- 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
€ 2.000	Application score between 60/100 and 69,9/100
€ 4.500	Application score between 50/100 and 59,9/100

- For a.y. 2024/25, the number of scholarships available for the master’s degree in Energy Engineering is equal to **one**.

The NON-EU candidate living abroad who results in **first position** in the ranking list will be entitled to receive a scholarship from the University of Trento provided that he or she gets a score of at least 70/100. Information about the award of the scholarship will be available when the ranking list is published. Students who benefit from the scholarship are waived from 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. 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. 7 Tuition Fees and scholarships for EU-citizens and non-EU citizens currently living in Italy

1. The amount of tuition fees for admitted students is available at the webpage [Tuition fees](#). 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 EU citizens and non-EU citizens living in Italy are published on the page [Scholarships](#).

Art. 8 Admission to the second year, study course change and transfer

1. 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 enrolled 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 2024 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 (15/05/2024), will be available within 21 June 2024. Students who do not meet the requirements for the admission to the second year will be admitted to the first year.
4. 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 [infostudenti](#).



Art. 9 Further Information

1. Information concerning the pre-enrolment procedures and academic documentation required for non-EU citizens resident abroad is available at the webpage [Bachelor's and Master's degrees in English - Non-EU citizens living outside Italy](#)
2. Information concerning the study documentation required for EU citizens with degrees awarded in EU countries other than Italy is available at the webpage [Bachelor's and Master's degrees in English - EU citizens](#)
3. Information concerning ministerial pre-enrolment procedures and study documentation required for non-EU citizens living in Italy are available at the following webpage [Bachelor's and Master's degrees in English - Non-EU citizens living in Italy](#)
4. Information about the cost of living in Trento is available at the following webpage [Cost of living.](#)

Trento, 14th December 2023



Note 1 – 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 controllers

The Data Controllers are:

- **University of Trento**, via Calepina n. 14, 38122 Trento (TN); email: ateneo@unitn.it;
ateneo@pec.unitn.it;

- **Libera Università di Bolzano**, Piazza Università 1, 39100 Bolzano (BZ); administration@unibz.it;
administration@pec.unibz.it

The Joint Data Controllers have stipulated the internal agreement required by the art. 26 of the GDPR.

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:

For the University of Trento: 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) of the GDPR; GDPR; art. 9, par. 2, point g) GDPR and art. 2 *sexies*, par. 1, letters aa) and bb) D.lgs. 196/2003 and subsequent 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.

Personal data may be published on the University of Trento portal in compliance with the publicity and transparency obligations established by current legislation.

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 as mentioned in art. 16 of GDPR; the erasure of his/her own personal data, except when the University is obliged to data storage to



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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.