



**POLITECNICO
DI TORINO**

Area Gestione Didattica

Albo n. 824/2020

Call for applications
for the 2nd level Specializing Master's
programme in
“Energy engineering and operations”
offered in apprenticeship format
(*Art. 45 – D.Lgs. n. 81/2015*)

Academic Year 2020/2021

(Annex “A”- Rector's Decree no. 332/2020 of 14/04/2020)



Art.1

(Programme overview)

The 2nd level Specializing Master's programme in Energy engineering and operations is offered by Politecnico di Torino, in accordance with D.M.270/2004, for academic year 2020/2021.

The programme coordinator is Dario Viberti, from the Department of Environment, Land and Infrastructure Engineering (DIATI) of Politecnico di Torino (hereinafter referred as to "Programme Coordinator").

The duration of this 2nd level Specializing Master's programme is one year for a total of 80 ECTS.

This programme is offered in the apprenticeship format (Apprendistato di Alta Formazione e di Ricerca Art. 45 – D.Lgs. n. 81/2015) and it has been designed in close cooperation with the company involved in the educational project, Eni S.p.A. (hereinafter referred as to "Eni").

The purpose of the programme is to provide young graduates with a sound technical and managerial knowledge so that they can specialize in the energy sector.

As a consequence, the 2nd level Specializing Master's programme offers its participants a unique opportunity to be trained in an international environment and to gain work experience by getting involved in high-level projects.

In accordance with the above mentioned apprenticeship format, selected candidates will be hired by Eni and upon completion of the programme they will attain a 2nd level Specializing Master's diploma.

Eni has undertaken to recruit at maximum 40 apprentices.

The 2nd Level Specializing Master's programme will begin in October 2020 and the apprentices will be recruited by Eni at the same time.

More information on the learning objectives, programme contents and possible career opportunities is available on the website of the 2nd Level Specializing Master's programme in Energy engineering and operations at:

https://didattica.polito.it/master/energy_engineering/2021

Art. 2

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

This Specializing Master's programme is an experiential learning path which combines educational activities at Politecnico and on-the-job training at the Eni's premises.

The 2nd Level Specializing Master's programme is organized as follows:

- training activities at Politecnico di Torino (classroom – laboratory – lecture - business case): approximately 633 hours;
- training activities at Eni: approximately 910 hours, carried out at the employer's premises and at Politecnico di Torino premises.



Table n.1 – Organization of the courses

	COURSE	Training activities	Training activities	Training activities (hours)	Training activities (hours)
		ECTS Reservoir & Drilling field	ECTS Production & Logistics field	Politecnico	Eni
1	Fundamentals of reservoir description and characterization	4	2	27	36
2	Geophysics	4	2	27	33
3	Logistics	2	8	72	45
4	Fluid Mechanics in Porous Media	4	4	45	15
5	Reservoir geomechanics	5	3	54	9
6	Reservoir numerical simulation (fundamentals)	5	5	54	6
7	Reservoir Engineering	6	2	60	24
8	Energy Transition	7	7	78	21
9	Well drilling	8	8	0	138
10	Well completion	4	4	0	81
11	Production facilities (fundamentals)	5	5	57	12
12	Industrial maintenance and HSE	4	9	99	24
13	Production facilities (advanced)	-	5	39	15
14	Reservoir numerical simulation (advanced)	6	-	21	51
	Project Work	16	16	0	400
	TOTAL	80	80	633	910

The 2nd level Specializing Master's programme will start on October 19th 2020 and will last one year.

The official language of the programme is English.

Art. 3

(Admission requirements)

The 2nd level Specializing Master's programme is intended for graduates who have to meet the following compulsory requirements, according to Eni selection criteria:

- to be under the age of 29 on the date of December 31st 2020;



- to have been awarded a full degree (Master's degree/Laurea specialistica/Laurea magistrale) in one of the following degree classes/areas of study within July 31st 2020:

Table n. 2 – Degree classes – Areas of study

Italian Universities	non-Italian Universities
<p>Master's degree obtained in one of the following degree classes ("classi di laurea"):</p> <ul style="list-style-type: none"> • Physics (LM 17) • Aerospace and Astronautical Engineering (LM 20) • Chemical Engineering (LM 22) • Civil Engineering (LM 23) • Energy and Nuclear Engineering (LM 30) • Mechanical Engineering (LM 33) • Environmental Engineering (LM 35) • Mathematics (LM 40) • Mathematical-Physics Modelling for Engineering (LM 44) • Naval Engineering (LM 34) • Materials Science and Engineering (LM 53) • Geological Sciences and Technologies (LM 74) • Geophysical Sciences (LM 79) 	<p>Master's degree* (or equivalent or higher academic qualification) obtained in one of the following areas of study with at least 5 years of university education:</p> <ul style="list-style-type: none"> • Physics • Aerospace and Astronautical Engineering • Chemical Engineering • Civil Engineering • Energy and Nuclear Engineering • Mechanical Engineering • Environmental Engineering • Mathematics and Mathematical-Physics Modelling for Engineering • Petroleum Engineering • Mining Engineering • Naval Engineering • Geosciences • Geology and Geophysics <p>*to be admitted to the Specializing Masters Programme, candidates who have a 4-year Bachelor's degree must also possess a Master's degree obtained within the deadline indicated below.</p>

- to have a Master's degree final grade corresponding to 100/110 or 90/100 (or equivalent);
- to prove to have a good knowledge of the English language (equivalent to level B2 CEFR). Eni will assess the English language level during the selection process (in accordance with art. 4 of this Call for application).

For international students a good knowledge of the Italian language (written and spoken) is considered an essential prerequisite for the final selection. Eni will assess the candidate's level of proficiency during the interview.

The Office of Specializing Master's Programmes and Lifelong Learning of Politecnico di Torino will examine the documentation received within the deadline. Only non-Italian university degrees will be evaluated by a specific board chaired by the Coordinator of the 2nd Level Specializing Master's programme.

Eni will evaluate only the candidates who meet the above-mentioned compulsory requirements.

If the application satisfy the admission requirements and is complete with mandatory supporting documents (art. 5) it will then be forwarded to the partner company for its own selection process (art. 4).

The applications that do not meet the compulsory requirements will be excluded by the selection process.



Art. 4

(Eni selection process and bonus)

After the application deadline, Eni will evaluate the applications that meet the compulsory requirements (*Art. 3 “Admission requirements”*), reserving itself the right to contact only the candidates who meet its internal selection criteria.

The written test and the technical assessment will be held from September 15th to September 25th, 2020.

The manner and location of the tests will be communicated during the convening of the candidates by Eni Corporate University.

The selected candidates will be hired by Eni within the meaning of art. 45 of D. Lgs 81/2015 in the apprenticeship format “Apprendistato di Alta Formazione e di Ricerca”.

For further information about monthly wage and economic bonus, please refer to the website of the 2nd level Specializing Master's programme in Energy engineering and operations:

https://didattica.polito.it/master/energy_engineering/2021/objective_contents and

https://didattica.polito.it/master/energy_engineering/2021/fee

During the selection process Eni will be supported by its affiliated company/ies.

Art. 5

(Admissions and deadlines)

The Specializing Master's Programme is open to a maximum of 40 participants.

Applications for this 2nd Level Specializing Master's programme must be submitted on-line by filling out the Application form available on Politecnico di Torino website (*Apply @polito*) at the following link:

https://didattica.polito.it/master/energy_engineering/2021/howtoapply

Applications are due by:

- September 3rd, 2020 at 2:00 p.m. - Italian time

The following supporting documents must be attached to the application form (in English or Italian only):

MANDATORY DOCUMENTS

- valid identification document (passport for extra-EU applicants)
- 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);



- Application form and questionnaire properly filled and signed (available on the webpage of the Specializing Master's programme
https://didattica.polito.it/master/energy_engineering/2021/deadline_documentation)
- Exam transcripts for **both** Bachelor's and Master's degree programmes:
 - for applicants with degree(s) awarded by a **non-Italian University or by a private Italian University**: official transcript(s), issued by the University of origin, produced on letter 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, admitted students must provide 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 students can provide the "Diploma Supplement" instead of the "Dichiarazione di Valore".
 - or
 - for applicants with degree(s) awarded by an Italian Public University: self-certification ("dichiarazione sostitutiva di certificazione" - Art. 46 DPR 28 December 2000, n. 445) in which the students declare to have obtained both a Bachelor's degree and a Master's degree. The self-declaration must include: the name of degree programme, the name of the University, the date of degree conferral, the graduation final grade, the full list of all the exams passed and the grades obtained (this information is required for both degrees). Upon enrolment admitted students must provide the original copy of the self-certification, in compliance with art. 75 of D.P.R. 445/2000. In compliance with art. 75 of D.P.R. 445/2000, should the self-certificate 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;
- Residence permit valid for Italy (only for non-EU citizens) valid till October 19th 2020

OPTIONAL DOCUMENTS

- Introduction letter
- Reference letter
- English language certificate
- Italian language certificate (only for non-Italian applicants)

Giving false information, providing fake certificates and failing to attach even one of the above mandatory documents will result in the exclusion from the selection process.

Candidates are also required to complete the application with compulsory registration on eni.com website (<https://enirecruit.taleo.net/careersection/ext/jobsearch.ftl?lang=it>); during the registration, candidates have to choose the following code: MSTTO2020.



It is necessary to fill out the online Eni form with all the data required in the “Admission Requirements” section: graduation grade, graduation class, date of birth and English proficiency.

Art.6

(Selection outcomes)

At the end of the selection process carried out by Eni, Politecnico di Torino will publish the list of the candidates admitted to the programme on the online University Bulletin and on the “Selection outcomes” section of the programme website: https://didattica.polito.it/master/energy_engineering/2021/glance

Art.7

(Participation confirmation, enrolment and documents submission)

Participation confirmation

Admitted candidates who intend to confirm their participation in the Programme have to download the Acceptance Declaration, fill it in and send it by e-mail (master.universitari@polito.it) within the deadline communicated from the Office of Specializing Master's Programmes;

Failure to receive the declaration within the aforementioned terms will be considered as final renunciation.

The Programme will start only if the minimum number of 20 participants required (agreed with the partner company) is reached.

Applicants on the reserve list who are eligible for replacement have the possibility to enrol in the programme if one or more participants renounce their offer of admissions. In this case, they are contacted according to their order on the ranking list.

Admitted students are given a deadline to confirm their participation.

Admitted students are invited to inform the Office of Specializing Master's Programmes (master.universitari@polito.it) with an official notification if they decide to decline their offer of admission.

Enrolment

Admitted candidates who confirmed the participation to the Specializing Master's Programme, must enrol in the programme following the instructions and deadlines received by e-mail.

Admitted candidates are not allowed to be simultaneously enrolled in another Specializing Master's Programme nor in any other university programme. Students enrolled in another programme must finish or suspend their studies before enrolling in the 2nd level Specializing Master's Programme in “Energy engineering and operations”.

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.5).

Upon enrolment, participants who hold a degree from a non-Italian University 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 or Statement of Comparability issued by the CIMEA Center.

Participants with a Master's degree awarded by a European university can submit the "Diploma Supplement" instead of the "Dichiarazione di Valore"/"Statement of validity".

Participants with a non-Italian degree who do not submit their "Statement of validity", can enrol in the programme with "condition", but they must present this document within 6 months from the beginning of the programme.

Participants who do not provide the above-mentioned mandatory document by the deadline are placed on a hold and cannot progress in their studies until the document is presented.

Politecnico di Torino reserves itself the right to check the truthfulness of the declarations included in selfcertificate sent by the applicants (pursuant to article 46 of DPR no. 445 of 28 December 2000) and excludes admitted students from the programme in the event of false declarations, without prejudice to their criminal liability.

Art.8

(Participation fee)

The participation in the 2nd level Specializing Master's programme is free of charge for admitted students.

In accordance with the "Tuition Fee Guide" of Politecnico di Torino, admitted students are exempted from paying their participation fee, but they 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 Energy Engineering and Operations requires the payment of a revenue stamp.

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



Art. 9

(Student assessment and final qualification)

The Specializing Master's programme requires full time commitment. Attending activities for at least 75% of the programme is mandatory for all students. Absences for more than this limit leads to exclusion from the

Specializing Master's programme. Participants are required to:

- reach the total amount of 80 ECTS;
- attend at least 75% of total classroom hours.

STUDENT ASSESSMENT

At the end of each course, participants have to take an exam consisting in a written test. Detailed rules on the exams will be provided during the opening day.

FINAL QUALIFICATION

Upon successful presentation of the student's Project Work, Politecnico di Torino will confer the 2nd Level Specializing Master's diploma in Energy engineering and operations. The Diploma will be issued in Italian.

The issue of the Diploma of the 2nd level Specializing Master's programme in Energy Engineering and Operations requires the payment of a revenue stamp.

Art. 10

(Competent office)

The competent office is the Office of Specializing Master's Programmes and Lifelong Learning of Politecnico di Torino, Tel. 0110905758 – e-mail: master.universitari@polito.it

Art.11

(Person responsible for the administrative procedure)

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

Art. 12

(Privacy Information Notice)

The Parties declare that they have mutually acknowledged compliance with the obligations related to personal data protection, each for the part under its responsibility.



The Parties acknowledge that they both act as autonomous data controllers and are committed to operating in full compliance with the applicable personal data protection legislation to them in relation to the data processing activities related to the execution of this Call for applications. In particular, students' personal data are processed by Politecnico di Torino exclusively for institutional purposes of education and by ECU for the evaluation and the possible training and hiring, in accordance with the purposes imposed by the law on the "Apprendistato di Alta Formazione e di Ricerca" employment contract. The processing of personal data is based on the principles of correctness, lawfulness and relevance of purposes. In order to pursue the "Specializing Master's Programme in Energy Engineering and Operations" candidates agree that the Politecnico di Torino shares their personal data with ENI S.p.A (hereinafter "Eni").

Eni will use the information provided as autonomous controllers of students' personal data.

For the Politecnico di Torino the privacy policy is available at: <https://didattica.polito.it/privacy>

For ENI the privacy information notice is available at: <https://eni.com/it-IT/carriere/master-energy-engineering.html>

Art. 13

(Access to documents)

Access to all documents is allowed in the forms provided by current legislation.

Art. 14

(Final provisions)

1. Communication with applicants takes place primarily through the "Apply@Polito" platform. Specific communications might be sent via email or SMS using the contact details provided by applicants during registration on the platform.
2. Politecnico does not take any responsibility in case of unavailability of recipients and for loss of communications due to inexact indication of an applicant's email address or telephone number or due to delay or failure to notify changes to the contacts provided during registration.
3. The Call for applications is published on the online University Bulletin available at https://www.swas.polito.it/dotnet/albo_online. The same can be found on https://didattica.polito.it/master/energy_engineering/2021/glance.

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