

MIPET 11th Edition

Genoa University
Didactic Area
Secretary Service for Students

D.R. n. 714

Genoa, February 20, 2020

The Rector

- based on L. 15.5.1997, n.127, published in the ordinary supplement to the G.U. n. 113 of 17.5.1997 and subsequent modifications, on urgent measures for streamlining administrative activity and decision and control procedures;
- based on the Decree of the Minister of the University and Scientific and Technological Research of 22 October 2004 No. 270 "Changes to the regulation containing rules concerning the didactic autonomy of universities, approved by decree of the Minister of the University and Scientific and Technological Research 3 November 1999, n. 509 "and in particular art. 3, paragraph 9;
- Having regard to the Regulations of the Specialization Courses, professional updating and permanent training and courses for first and second level University Masters of the University of Genoa issued with D.R. n. 551 of the 02/10/2015;
- based on the provisions of the Ministry of University and Research relating to the procedures for entry, stay and enrollment of foreign / international students in higher education courses in Italy for the academic year 2019/2020;
- Having regard to the Regulations governing research and consultancy contracts, research agreements for third parties issued with D.R. n. 1551 of 05.05.2017;
- based on the Rector's Emergency Decree no. 649 on 19.06.2012 of approval of the institution of the University Master of II level in "Industrial Plant Engineering – MIPET - Mastering Industrial Plant Engineering & Technologies", ratified by the Senate Academician and Board of Directors respectively on 17 July and 18 July 2012;
- based on the resolution of the Council of the Department of Mechanical, Energy, Management and Transport Engineering of the University of Genoa of 05.12.2019 with which the renewal of the University Master of II was proposed level in "Industrial Plant Engineering - MIPET - Mastering Industrial Plant Engineering & Technologies" - 11th edition;
- Based on the resolution of the Polytechnic School of the University of Genoa of 21.01.2020 with which the renewal of the II level University Master in "Industrial Plant Engineering - MIPET - Mastering Industrial Plant Engineering & Technologies "- 11th edition.

decrees

Art. 1 General rules

It is activated for the 2019/2020 academic year at the Department of Mechanical, Energy, Management and Engineering Transport of the University of Genoa the II level University Master in "Industrial Plant Engineering - MIPET - Mastering Industrial Plant, Engineering & Technologies "- 11th edition.

Art. 2 Purpose of the course

Purposes

The high rate of market development makes it necessary for companies to organize themselves with highly specialized human resources in the design and management of large industrial plants, in order to best respond to the competitive challenge. However, such companies find it difficult to find professionals with the skills necessary to fill these positions and therefore intend create a reference center for technical training in the field of plant design and construction industrial, also through the realization of the University Master in the industrial plant engineering sector, alongside the consolidated industrial and theoretical and training skills of the Polytechnic School, former Engineering Faculty of Genoa, of great international experts.

Training needs to which the project responds and expected employment opportunities.

The MIPET (Master in Industrial Plant Engineering and Technologies) trains process analysts, system engineers, projects engineers, experts in the design and management of large industrial plants, those who, within the structure organizational and production of a plant engineering company, they coordinate the execution of a project from a technical point of view engineering complex, developed to order.

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Market and competition analysis

The MIPET (International Master of the University of Genoa) is an initiative promoted by a joint team of institutions Universities, Industries and Associations and represents a unique opportunity for young engineers in strategic areas such as Plant Engineering, Energy, Iron & Steel, EPC (Engineering, Procurement, Construction & commissioning) the Great Projects of Plant, the Process Industry and the Oil & Gas.

MIPET is a unique initiative, as it boasts Academics and Professionals from all over the world in its teaching the staff Industry.

MIPET attracts students from different countries, including from outside the EU and this international component makes it different from other initiatives, which are often conducted in Italian and / or are aimed at different targets (for example graduates in economics).

Professional figure to be trained

The MIPET (Master in Industrial Plant Engineering and Technologies) trains process analysts, system engineers, project engineers, experts in the design and management of large industrial plants, those who, within the organizational and production structure of a plant engineering company, coordinate from a technical point of view, the execution of a complex engineering project, developed to order.

The high rate of market development makes it necessary for companies to organize themselves with highly specialized human resources in the design and management of large industrial plants, in order to better respond to the competitive challenge. However, these companies find it difficult to find professionals with the skills necessary to fill these positions and therefore intend to create a reference point for technical training in the field of design and construction of industrial plants, also through the realization of the University Master in the field of industrial plant engineering, alongside the consolidated industrial skills with the theoretical and training skills of the Polytechnic School, former Faculty of Engineering of Genoa and of great international experts.

Art. 3 Didactic organization of the course

The Master, lasting a total of 12 months, will take place from April 30, 2020 is divided into 1500 hours as well divided:

420 hours of frontal teaching including practical experiences;

-582 hours of Individual Study;

-400 hours of Internship;

-80 hours Preparation of the Project Work;

-18 hours Checks;

-All Master's lessons are held in **English**.

60 credits are attributed to the Master.

Absences allowed: 20%.

An English language course of about 40 hours will be activated, in addition to other language courses, oriented to technical needs (e.g. Technical Italian for foreigners, basic Chinese, Spanish).

The training activity is organized as follows:

1) Frontal teaching:

- Lessons from University professors, business experts and qualified witnesses;

- Interactive tutorials;

- Practical experiences consisting, from time to time, in the development of business cases or simulations in the field and in laboratory;

- Interactive teaching: lectures-debate carried out by teachers and company experts and consequent debate with the participants.

2) Individual guided study.

In particular, the training activity will be structured as follows:

- Basic Modules for Industrial Plant Engineering (i.e. Plant Automation);

- Operating Modules on Critical Issues for Plant Engineering (e.g. Regulations & Standards, Project Management, Constructions, Safety and Security in Plants, Innovation, Simulation, Virtual and Augmented Reality for the Plant);

- Thematic Modules on Types of Particular Plants (e.g. Energy, Iron & Steel, Water Treatment, Sustainability);

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- Professional modules, integrated into the program, but also open to be followed independently, dedicated to Project Works to be carried out individually and / or in teams in a competitive and cooperative way, interacting with experts;

- Orientation, Placement, Team Working, Potential Development, Languages modules.

The Operative Modules are specific and compact interventions (3-5 days) which are both an integral part of the Master and offered

externally to personnel already in service in the industry or professionals. These Modules are carried out jointly by the Industry and the Academy and are characterized by strong interaction between students and teachers through simulations, business games and RPG conducted on specific case studies; among others the following Modules are active:

- Regulations and Regulations module;

- Constructions module;

- Project Management module;

- Safety & Security module;

- Innovation module, VR / AR / Simulation, Patents.

The classroom activities (lessons, other training activities and intermediate checks) will be spread over an average of 5 days a week, with indicative time between 9.00 and 18.00 with an average of 6 hours of lessons per day. Changes will be possible of schedule based on educational needs.

Articulation of the training activities: The teaching plan is shown in Annex 1 which is an integral part of this announcement. The courses are divided into Basic Modules, Operating Modules and Thematic Modules according to the proposed scheme.

Within the training path, a part of extracurricular activity on the Orientation & Placement Theme was provided, aimed at increasing the awareness of each student about their personal growth potential; that path provides a series of interventions, carried out by qualified experts, relating to the analysis of skills, the definition of profiles professional and career orientation.

Internship: at the end of the classroom activity, internships will be organized for the development of the Project Work. The internship will allow students to enter the world of work through targeted and agreed training projects with the host subjects. For those already enrolled in the world of work, a corporate internship training project can be agreed at the company of belonging or, for those who intend to carry out the activity outside the company of belonging, can the elaboration of a project with the aim of deepening real case histories related to the context / sector of reference of the Master.

Intermediate checks, final tests and assessment of outgoing skills: during the classroom phase, checks to evaluate learning and acquired skills. At the end of the Master the participants are called to write a final project work; the topics will be identified by the participants together with the teachers, in relation to the main topics developed during the Master and / or in function of the internship. The project work, the elaboration of which will give the opportunity to put to use the teaching received during the Master, will be discussed during the final exam before a commission composed of teachers of the Master.

Venue for teaching activities: University of Genoa - Polytechnic School.

Total cost of the Master: € 1,500.00.

Art. 4 Management Committee and the President

President: Prof. Agostino G. Bruzzone.

University of Genoa Members of the Management Committee: Agostino G. Bruzzone, Carla Gambaro, Andrea Reverberi, Pietro Giribone, Luca Tagliafico, Angela Taramasso, Flavio Tonelli, Giorgio Cannata, Marco Del Borghi.

External Members of the Management Committee: Maurizio Barabino (ABB); Micaela Caserza Magro (MAILAB); Giovanni De Trademarks (Paul Wurth); Felice Lombardo (Order of Engineers); Enrico Malfa (TenoVA); Giorgio Migliorini (Fisia Italmimpianti - Impregilo Group); Giorgio Minestrini (Stara Glass); Alessandro Bongiovi (ABB); Matteo Agresta (Simulation Team); Ferruccio Cerruti (ETEA Security); Enrico Mozzi (Danieli Combustion Center); Enrico Gastaldo (Prisma Impianti); Aleramo Lucifredi (Consultant), Simonluca Poggi (SimulationTeam); Carlo Raggi (Consultant); Massimo Romairone (Thales).

The structure entrusted with the administrative, organizational and financial management of the course is the Department of Engineering Mechanics, Energy, Management and Transport –

DIME Via all'Opera Pia, 15, 16145 Genova,

Tel: 0103532275,

Email: mipet@simulationteam.com MIPET

Website: www.itim.unige.it/cs/plants/index.html.

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Art. 5 Access mode

A maximum of 30 students are admitted to the Master. The minimum number for activation is 8 students.

Qualifications required:

Master's degree of class LM-33 (mechanical engineering) or of class LM-32 (computer engineering) or of class LM-29 (Electronic Engineering) or class LM-31 (Management Engineering) or class LM-28 (Electrical Engineering) or class LM-25 (Automation Engineering) or class LM-23 (Civil Engineering) or class LM-24 (Engineering of building systems) or class LM-26 (Safety engineering) or class LM-22 (Chemical engineering) or class LM-71 (Industrial chemistry sciences and technologies) or LM-34 (Naval engineering).

Other requirements:

Basic computer skills; Good knowledge of the English language.

The Management Committee reserves the right to admit candidates holding a specialist university degree or other than the one specified, based on the analysis of the training and professional curriculum deemed akin to profile of the Master. The qualification for access must be obtained by the start date of the teaching activity.

Admission procedure:

For qualifications and tests as following

- Evaluation of technical training (maximum 10 points):

Up to a maximum of 10 points for the type and degree mark

Up to a maximum of 10 points for the relevance of the Thesis, Internship and Seminarial Experiences

Up to a maximum of 10 points for professional, research and / or work experiences in Italy and abroad

Up to a maximum of 2 points for good linguistic knowledge.

Up to a maximum of 2 points for basic computer knowledge

- Oral interview (maximum 40 points):

The individual interview will be conducted in English, live or by telephone or via web support, and will be aimed at evaluate the technical skills, the individual's potential, interest and motivation to participate in the course, the awareness of the training path, correspondence to the expected profile, as well as the motivation to operate in the business in question.

In the event of a tie, priority will be given to the candidate with a lower age. The selection will not be made if the number of candidates is less than or equal to the maximum number of places available.

Art. 6 Any economic concessions and / or scholarships

Scholarships may be made available by companies, to fully or partially cover the registration fee, and / or partial exemptions from payment of the registration fee, based on preparation, motivation and economic needs demonstrated during the interview, at the discretion of the Commission. Any scholarships available will be communicated, together with the assignment procedures, by the date of expiry of this Call on the Master's website <http://www.itim.unige.it/cs/plants/index.html>.

Up to two students (preferably not employed) may be admitted to the Master with tutoring tasks and with partial exemption from payment of the registration fee (excluding the university contribution and stamp duty, for a total of € 266.00). The amount of the contributions, the methods of assignment and the procedures for identifying the tutors will be communicated and published on the Master's website within the deadline of the call <http://www.itim.unige.it/cs/plants/index.html>.

Art. 7 Presentation of questions

The application for admission to the competition must be submitted using the online procedure available at the address

<https://servizionline.unige.it/studenti/post-laurea/master>, by 12:00 on 7 April 2020.

The date of submission of the application for participation in the competition is certified by the IT system which, upon expiry of the useful term for the presentation, it will no longer allow access and sending of the application.

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In the application, the candidate must self-certify under his own responsibility, under penalty of exclusion from the competition:

- a) the surname and name, the tax code, the date and place of birth, the residence, the telephone and the contact details elected effects of the competition. As regards foreign citizens, an indication of an Italian or that address is required of its Embassy in Italy, elected as its home. The indication of the tax code can be omitted if the foreign citizen is not in possession of it, highlighting this circumstance;
- b) citizenship;
- c) type and name of the degree held with an indication of the date, grade and University where it is held the equivalent qualification obtained at a foreign university as well as the details of the eventuality was obtained provision with which the equivalence itself was declared or the request for equivalence for the sole purpose of the competition referred to in art. 5;
- d) knowledge of the English language.

The application for admission to the Master must be attached, through the online procedure:

1. identity document;
2. curriculum vitae;
3. to confirm the application it will be necessary to certify the veracity of the declarations made by ticking the appropriate section before confirming the application.

All attachments must be entered in PDF format. In the case of a qualification obtained abroad, if the qualification has not already been recognized as equivalent, the interested party must request equivalence for the sole purpose of the competition, attaching the following documents to the application:

- qualification translated and legalized by the competent Italian diplomatic or consular representation of the country in which it has been obtained the title;
- "declaration of value" of the qualification made by the same representation.

The equivalence measure will be adopted for the sole purpose of admission to the competition and enrollment in the course. In the event that the competent Italian diplomatic or consular representation has not issued such documentation in time for the submission of the application for admission, it is necessary to attach the whole application to the application documentation available.

Any equivalence measure will be adopted under the condition that the legalized translation and the "declaration of value "are submitted within the deadline for enrollment in the courses by the admitted candidates.

The release of the aforementioned documentation and any residence permit for foreign citizens to attend the course is governed by the provisions of the Ministry of University and Research relating to student access procedures foreign applicants for visas for higher education courses for the academic year 2019/2020, available at <https://www.studiarein-italia.it/studentistranieri/>.

Foreign citizens not yet in possession of the tax code, can obtain it by contacting the Service internationalization - Sector for the reception of foreign students (SASS): Telephone: (+39) 010 209 51525, E-mail: sass@unige.it

Pursuant to the decree of the President of the Republic December 28, 2000, n. 445, to the declarations made in the admission, in the case of false statements and false declarations, the penalties provided for by art. 76 of decree no. 445/2000 referred to above. In cases where the legislation on substitute declarations is not applicable (Presidential Decree no. 445/2000 and subsequent amendments), the candidate still assumes responsibility (civil, administrative and criminal) for the declarations released.

The Administration reserves the right to carry out the checks and inspections required by the provisions in force. Candidates who will make false declarations will automatically lapse from registration, without prejudice to the application of the additional administrative and / or criminal penalties provided for by current regulations.

The University Administration assumes no responsibility for the loss of communications dependent on inaccurate indications of residence and delivery by the aspirant or by failure or late communication of the change of the same, nor for any postal or telegraphic errors not attributable to the fault of the Administration. Any selective tests will take place on April 20, 2020 at Polytechnic School Via Montallegro, 1 - 16145 Genoa, or via Skype for off-site students.

The list of winners will be posted at the organizational secretariat of the Master at DIME Via all'Opera Pia, 15, 16145 Genoa and on the MIPET website (www.itim.unige.it/MIPET) by April 20, 2020.

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Candidates who do not include all the required information in the application will be excluded from the admission ranking.

The University can adopt, even after the publication of the admission ranking list, exclusion measures against candidates without the required requirements.

Art. 8 Completion of registration

Candidates admitted to the Master must complete their enrollment by April 27, 2020, by online procedure by logging on to the page <https://servizionline.unige.it/studenti/post-laurea> by clicking on << Post-graduate enrollment confirmation >> and choosing the Master whose enrollment must be confirmed.

The following documents must be attached to the online confirmation:

n. 1 passport photo in jpg format; receipt proving the payment of the amount of € 750.00 to be made online through the available banking service in the area of online student services, using one of the credit cards belonging to the Visa, Visa Electron circuits, CartaSi, MasterCard, Maestro, riUnige / riCarige prepaid cards or by paper "payment notice" (PA payment).

II installment € 750.00 by July 31, 2020 according to the methods mentioned above:

After registration, foreign citizens not yet in possession of an Italian tax code are required to obtain it, by contacting the Internationalization Service - Sector for the reception of foreign students (SASS): Telephone: (+39) 010 209 51525, E-mail: sass@unige.it.

Pursuant to art. 8 paragraph 3 of the University Regulations for Students issued with D.R. 1218 of 16.09.2014, the student enrolled in a university course, he has no right to the refund of the contributions paid, even if he interrupts his studies or he does transfers to another university.

Candidates who have not registered within the above deadline are in fact considered to have renounced.

Art. 9 Title release

At the end of the Master, the candidates who in the opinion of the Management Committee have successfully passed the test final, the II level University Master's degree in "Industrial Plant Engineering - MIPET - Mastering" will be issued Industrial Plant, Engineering & Technologies "as required by art. 19 of the Specialization Course Regulations, of professional updating and lifelong learning and courses for first and second level University Masters.

Art. 10 Treatment of personal data

The personal data provided by the candidates will be collected by the University of Genoa, Didactic Area, and processed for purposes of managing the selection and related procedural activities, according to the provisions of EU Regulation 2016/679 (GDPR - General Data Protection Regulation) and Legislative Decree 30.06.2003 n. 196 "Data Protection Code personal. "

Genoa, 20 February 2020

SIGNED BY THE RECTOR

Responsible for the procedure: Dr. Ilaria Mantegazza
For information tel .: 010 209 9636 - 010 209 9691