



University of Studies of Naples Federico II
Advanced Metrological and Technological Services Center - CeSMA

*Call for applications to
"FIVEG Academy 2023 postgraduate"*

Article 1

General provisions

Within the framework of the agreements concluded individually and separately between the Advanced Metrological and Technological Services Center (CESMA) of the University of Naples Federico II ("University"), and Nokia S.p.A. and TIM S.p.A., with the collaboration of Fastweb and Kineton, the University and the above-mentioned partners intend to implement the fourth edition of the advanced training initiative called "FIVEG Academy postgraduate". This edition **will start on 02/13/2023 and will end on 09/30/2023, for a total duration of approximately 7 months.**

The aim of this initiative is to train and develop new, highly professional figures in the field of digital transformation, with specific reference to the revolutionary potential of 5G.

Participants will acquire technical, management, and consulting skills.

In order to determine the participants in the "FIVEG Academy 2023 postgraduate", a public selection is organized for the admission of **maximum of 39 students, 3 of whom are reserved exclusively for students with disabilities (ex lege 104/1992)**, eligible according to art. 4 or art.5.

After a preliminary phase dedicated to the acquisition of soft skills (***Soft Skills Courses***), the training program evolves through two phases: a general training phase (***Consulting Skills, Technological Skills, Sector-Specific Skills, and Regulatory Skills Courses***) and a highly specialized vertical training, in which different training paths are followed depending on the background of each participant (***Deep Dive Courses***).

At the end of the training courses, ten weeks of project work will follow in which participants with diverse background and experiences are grouped into teams, with the purpose of building a real business case supported by both a technical and economic feasibility analysis, and a prototype implementation.

Article 2

Training objectives and job profiles

The advanced training program "FIVEG Academy postgraduate" aims to develop highly-skilled professionals in the field of "digital transformation", with a specific reference to the potential of the 5G network revolution and related technologies.

Participants will acquire technical, management, and consulting skills, contributing to the development of specific and innovative business cases. Furthermore, the course will support the development of their digital mindset and business spirit. These objectives will be achieved through a learning methodology based on the integration of guided training, self-learning, and learning-by-doing, focused on the teamwork development of business cases, use cases, and their prototypes.

Article 3

Location, duration, definition, and performance of activities

The fourth edition of the FIVEG Academy will start on 02/13/2023 and will end on 09/30/2023, for a total duration of approximately 7 months (including summer break), in which applicants admitted will attend frontal lessons, workshops, exercises, and group assignments. In addition to these activities, individual study is required. The educational activities will involve a commitment of 5 days a week and will be carried out both in blended learning with virtual lessons on the platform and in person, compliant with the COVID-19 safety at the Technological Pole of San Giovanni a Teduccio of the University of Naples Federico II, or on the MS Teams platform, following approval by the Scientific Technical Committee (STC) of the FIVEG Academy.

The training course, described above, will consist of four phases:

1. Acquisition soft skills: *Communication skills and Project delivery*;
2. Acquisition of transversal skills: *Consulting skills, Technological Skills, Sector-Specific Skills, and Regulatory Skills Courses*;
3. Acquisition of highly specialized vertical skills: *Deep Dive Courses*;
4. Learning-by-doing: *Project works for research and innovation*.

In particular, the courses in the first three phases will include the following fields of interest:

- **Soft Skills:** Introduction to problem solving and consulting skills; Communication; Project delivery.

- **Technological Skills:** Overview of next generation networks (5G and beyond), Cloud platforms, Edge Technology, IoT platform, AI/ML/Analytics, Blockchain, Security for next generation networks (5G and beyond), 5G Devices, regulation for next generation networks (5G and beyond);
- **Sector-specific Skills:** Smart Energy- Utilities, Smart Stations, Healthcare & life-sciences, Logistics, Manufacturing, Entertainment, Automotive, Retail.
- **Regulatory Skills:** Safety & Jurisdiction, Public Health, Security.
- **Deep Dives Engineering SW:** Service Enablement Platform, Digital Twin and Immersive Technology, Mobile Edge Application Development, Security.
- **Deep Dives Engineering TLC:** Connectivity Strategy, Access and Core Architecture for next generation network (5G and beyond).
- **Business and Regulation:** Regulations by sector; Risk Management, Business Plan, Platform economy.

Attendance is mandatory for a minimum of 90% of the total hourly commitment scheduled for the first three phases and the project work phase. Therefore, non-attendance of a number of hours equal to 10% of the hours of the first three phases and the project work phase, shall lead to automatic exclusion from attending the remaining part of the training program.

Participation is free of charge, as the costs of delivering the course are fully covered by the various partners involved.

Article 4

Admission requirements

Italian citizens, EU citizens residing anywhere, and non-EU citizens in possession of a valid residence permit, will be eligible to take part in the selection procedure, given that, at the deadline of the application, have one of the following minimum requirements:

- **R.1 High school diploma** or equivalent foreign qualification;
- **R.2 Bachelor's degree** or equivalent university qualification, obtained or to be obtained (in Italy or abroad), provided that the candidate has completed all the ECTS (European Credit Transfer System) required by the call no later than the closing date of the call;
- **R.3 A Single-cycle degree** being awarded (in Italy or abroad) or equivalent university qualification being awarded (in Italy or abroad), provided that the candidate has accrued at least 170

ECTS (European Credit Transfer System) by and no later than the date of expiry of the call for applications.

For the sole purpose of the eligibility assessment, the Admissions Committee, as defined below, will evaluate the equivalence of the qualification. Furthermore, the principle of equal opportunity will be ensured at the selection phase.

Such applicants may be admitted conditionally to the selection phase, and the University may dispose the ineligibility of a candidate for lack of the prescribed requirements, by a substantiated decision the exclusion of a candidate for the absence of minimum requirements.

Such applicants may be admitted conditionally to the selection phase as described in the art-8.

Article 5

Applies to reserved positions to students with disabilities

Candidates who want to compete for reserved positions are required to submit documentation certifying their disability, indicated in art. 4, within the terms and in the conditions specified below.

The application should be submitted by completing the appropriate form, available during the online application process.

Suitable certification attesting the recognition of the disability as well as a copy of a valid identity document, will be, only, requested after the selection process by technical board of the academy if needed. Failure to submit the required documentation will be grounds for not granting benefits.

Article 6

Procedure for the submission of the application for applicants eligible according to art. 4 or art. 5

The application for admission to the selection must be submitted by the applicants in possession of the minimum requirements mentioned in article 4 (and article 5 in case of application for reserved positions), exclusively **online, via portal <http://www.5gacademy.unina.it>, from 12/1/2022 and irrevocably, no later than 12:00 (GMT+1) of the day 02/01/2023, penalty exclusion from selection.**

To be eligible for the selection procedure, each applicant is required to:

- have a valid e-mail address;
- link to the site <http://www.5gacademy.unina.it>;
- submit the application, which requires:
 - 1) completing the application with all mandatory information;
 - 2) completing the “**Digital Readiness**” test online;

3) attaching in pdf:

- a) **curriculum vitae et studiorum** dated and signed, in the form of a statement replacing the certifications and the deed of notoriety, following artt. 46 e 47 of D.P.R. n.445/2000 and with consent to the processing of personal data, and any additional certificates or qualifications relevant for the assessment;
- b) completing the “**Digital Readiness**”;
- c) cover letter.

Failure to do so may result in the exclusion of the application.

Article 7

Selection Board for the assessment and selection

Candidates will be selected by a Commission appointed by the Decree Direction of CeSMA, after the deadline for the submission of applications.

The Commission will be composed of teachers and/or technical-administrative staff of University Federico II and experts from each of our partners.

The composition of the above-mentioned Commission will be announced by notice, published in the official register of the University (on website www.unina.it) and on the official website of FIVEG Academy www.5gacademy.unina.it.

Article 8

Selection criteria and procedures

The selection procedure for admission to the program “FIVEG Academy”

- **for the candidates eligible according to R.2 or R.3 as described in art. 4**, will be carried out on the basis of the assessment of the curriculum vitae et studiorum, the qualifications, the cover letter submitted by the candidate, and the results of the “Digital Readness” test. Furthermore, the procedure will consider a selection interview, conducted on an online platform (Teams, Skype or Zoom) chosen by the applicant, after the deadline for the call for applications.
- **for the candidates eligible according to R.1 as described in art. 4**, will be carried out on the basis of the assessment of the curriculum vitae et studiorum, the qualifications, the cover letter submitted by the candidate, the results of the “Digital Readness” tes and a written exam focused on topics like: Python, Java, C++, ns3, Machine Learning Frameworks (such as Pytorch, Tensorflow, Caffe, etc.).

Furthermore, the procedure will consider a selection interview, conducted on an online platform (Teams, Skype or Zoom) chosen by the applicant, after the deadline for the call for applications.

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The candidates admitted to the **selection interview** will be only

- **the candidates, eligible according to R.2 or R.3 as described in art. 4, with a score equal or larger than 20/70** resulting from the evaluation of the curriculum vitae et studiorum and qualifications, the motivation letter, and the test “Digital Readness”.
- **the candidates eligible according to R art. 5**
- **the candidates, eligible according to R.1 as described in art. 4, who passed the written exam, and with a score equal or larger than 20/70** resulting from the evaluation of the curriculum vitae et studiorum and qualifications, the motivation letter, and the test “Digital Readness”.

Applicants admitted to the aptitude interview will be invited in accordance to the calendar that will be announced by notice in the Official University Register (on the www.unina.it website) and on the official website of FIVEG Academy www.5gacademy.unina.it. Applicants admitted must attend the meeting on the date and time established, which will be scheduled on the selected online platform in the application form (Teams, Skype, Zoom), with a currently valid passport or national identity card. The interviews will be held from 02/06/2023 to 02/08/2023, except for any postponements. The selection interview has a maximum rating of 30 points, and will be passed with a vote of at least 18/30.

The ranking will be made by adding to the score in the aptitude interview the score resulting from the evaluation of the curriculum vitae et studiorum and qualifications, the motivational letter, and the "Digital Readiness" test.

In accordance with article 3, subparagraph 7, of law n. 127 of 15 May 1997, as amended by law n.191 of 16 June 1998, should two or more candidates obtain the same score in the final ranking, priority will be given to the youngest candidate.

The notices published on the websites www.unina.it and www.5gacademy.unina.it constitute official notification.

Candidates who, for any reason, are absent from the aptitude interview, will automatically be considered to have renounced from the selection procedure.

Article 9

Scoring criteria

The maximum overall score is 100/100, distributed in the following manner:

- evaluation of curriculum vitae et studiorum and qualifications, cover letter, and online test “Digital Readiness” (*up to 70 points*);
- aptitude interview (*up to 30 points*).

In the process of evaluating the curriculum vitae et studiorum and qualifications, the cover letter, and the online test “Digital Readiness”, the maximum total score of 70 points is distributed in the following manner:

- curriculum vitae et studiorum and qualifications (*up to 40 points*);
- cover letter (*up to 20 points*);
- “Digital Readiness” online test (*up to 10 points*).

In order to assess the qualifications of the applicants, the evaluation will consider the following qualifications:

- **Master’s Degree** or equivalent university qualification, obtained or to be obtained (in Italy or abroad) *up to 10 points*, according to the relevance to the FIVEG Academy topics;
- **PhD** from an Italian University or equivalent foreign institution, *up to 5 points*, according to the relevance to the FIVEG Academy topics;
- **Graduate Programme**, an advanced academic program, with the minimum requirement of Bachelor’s Degree or Master’s Degree, from an Italian University or equivalent foreign institution, *up to 8 points*, according to the relevance to the FIVEG Academy topics;
- **Scientific publications and industry certifications** in the field of 'digital transformation', with specific reference to the Information and communication technology context (5G, AI/ML, IoT, next generation network, future technology, and sustainability etc) *up to 10 points*, according to the relevance to the FIVEG Academy topics;
- **Professional experience** in the field of 5G and related technologies, *up to 10 points*.

For the sole purpose of the eligibility assessment, the Admissions Committee, as defined below, will evaluate the equivalence of the qualifications.

Article 10

Acceptance for admission to the FIVEG Academy Postgraduate 2023

The 39 successful applicants will have to confirm their willingness to participate in the planned training activities by e-mail to 5gacademy@unina.it no later than 3 days after the publication of the final shortlist, subject to revocation.

After the deadline for acceptance has passed, if there are any remaining places due to lack of acceptances or subsequent renunciations, the ranking list will be scrolled according to its order. Any shortlists and the relative deadlines for making acceptances will be announced exclusively by online publication on the Official University Register (on website www.unina.it) and on the official website of FIVEG Academy www.5gacademy.unina.it.

Article 11

Certificate of the training course

After completing the “FIVEG Academy Postgraduate” course, each student that has satisfactorily pursued the studies and passed the final examination, will receive a certificate of participation released by CeSMA and all the partners involved. Students enrolled at a Course of Studies at the University of Naples Federico II and in possession of the above-mentioned certificate, will be recognized university credits in specific scientific areas, through the appropriate procedure provided.

Article 12

Transparency/Public access to documents

The present call for applications is noticed through online publications on the Official University Register (on website www.unina.it) and on the official website of FIVEG Academy www.5gacademy.unina.it. The publication of this call for application will be promoted on the official websites of the partners of FIVEG Academy postgraduate, wherever possible. All related acts will be published by notice only on the Official University Register (on the www.unina.it website) and on the official website of FIVEG Academy www.5gacademy.unina.it.

The publication online on the Official University Register of Federico II (on the www.unina.it website) has official status, therefore no private communication shall be sent to the applicants.

Article 13

Traineeship opportunities

At the end of the training course, the best students (graduated by October 2023) will have the possibility of a traineeship in partner companies of FIVEG Academy.

Moreover, CeSMA undertakes to transfer to the partners the list of students that have successfully completed the training course, so as to evaluate candidates and conduct possible interviews on skills gained and career guidance.

Article 14

Information-sheet in compliance with European GDPR Regulation 679/2016 on the handling of personal data and information (General Data Protection Regulation) – Public Access to official documents, information and access to personal data

It remains without prejudice to what has already been stipulated in the individual and separate agreements between the CeSMA and its partners, and confirmed that CeSMA and these partners carry out the processing of personal data, within their specific mandate as established in the agreements, as Owner of the processing employed, to comply with the Provisions of Regulation 2016/679/EU (General Data Protection Regulation) and Legislative Decree No. 196/2003, as reported in Legislative Decree No. 101/2018, including other existing legal provisions on the protection of personal data (hereinafter referred to jointly as "Applicable personal data protection Regulation").

The University shall process the supplied personal data to answer to all the intents and purposes of the call for applications, as an independent data controller: specifically, candidates have access to all the specification documents related to public competition, according to current legislation. The principle of public access to official documents will be ensured according to the procedure established by the University Regulations concerning provisions on administrative procedure and on access to documents, issued by Rectoral Decree n. 2386/98 and subsequent modification and additions.

Pursuant to art. 13 of EU Regulation 206/679 on protection of natural persons regarding the processing of personal data and in compliance with the legislation on personal data processing, the University is responsible for the processing of personal data of candidates applying for the call for applications, in accordance with the said Applicable personal data protection Regulation.

The Parties, each to the extent of its competence within the scope of this Notice, hereby undertake to hold each other harmless from any dispute, action or claim made against them on behalf of the interested



individuals and/or any other person and/or Authority as a result of any non-compliance with the applicable Data Protection Regulations.

Article 15

Final provisions

The FIVEG Academy reserves the right to exclude at any time candidates from this call for applications due to ineligibility or non-compliance with the provisions contained therein.

The exclusions of candidates will be announced by notice on the Official University Register (on website www.unina.it) and on the official website of FIVEG Academy www.5gacademy.unina.it.

The University reserves the right, at its sole discretion, according to project requirements, to extend, suspend, modify, revoke or annul this call for applications without incurring any rights or claims by the candidates.

The website www.5gacademy.unina.it will be constantly updated with any other information that will be considered useful for the interested parties. Therefore, it is highly recommended to consult the aforementioned site.

For any information or further clarification regarding the present call for application and/or the training course, contact the FIVEG Academy staff by e-mail 5gacademy@unina.it.

Naples, 12/01/2022

Director of Ce.S.M.A.

Prof. Leopoldo Angrisani