

Decree no. 120/2019 - Ref. no. 14481

Year 2019 heading VII cl. 1 file

All. 1

Subject: Public selection, based on qualifications and interview, for the engagement of 1 temporary level I technologist, full-time, contest sector 01/B1 - Informatics, for the duration of 36 months, possibly renewable, at the Department of Mathematics and Geosciences of the University of Trieste.

THE DIRECTOR-GENERAL

- Whereas, following the evaluation of the projects regarding the incentive to finance the Italian Universities Department's activities characterizing of the quality in research and in scientific, organisational and didactical projects, the Ministry of University [MIUR] approved to the Department of Mathematics and Geosciences of the University of Trieste a five years financing on the Excellent Departments, pursuant to no. 232/2016 law, art. 1, para. 314-337;
- Whereas the University of Trieste Board of Directors, in the sessions of May 25th 2018 and June 29th 2018 asked the Department of Mathematics and Geosciences to define the figure to engage temporary technical and administrative employers for the project activities, according to the MIUR financing;
- Whereas, for the purpose of carrying out Projects activities, the Department of Mathematics and Geosciences decided to recruit no. 1 temporary level I technologist, full-time, contest sector 01/B1 Informatics, for the duration of 36 months, possibly renewable, for the purpose of carrying out Projects activities, focused on the development of data science and scientific computing methods and technologies, applicate to Geosciences;
- Whereas the full gross cost for the contract of the temporary level I technologist, full time, possibly renewable, will be met by the budget of the Excellent Departments Project "DIPECCELLENZA-MATGEOSC" UO 000182 UA.A.AMM.SIST.13.16.13;
- Whereas the recruitment requirements of the Department of Mathematics and Geosciences meet the temporary requirements of art. 36, para. 2, of Decree Law 165/2001;
- Given the Law of 9 May 1989, no. 168 (Establishment of the Ministry of the University and Scientific and Technological Research) as amended;
- Given the Law of 7 August 1990, no. 241 (New rules on administrative procedures and right of access to administrative documents) as amended;
- Given the Decree of the President of the Council of Ministers of 7 February 1994, no. 174 (Rules on access for nationals of EU Member States to jobs in the public administration) as amended;
- Given the Presidential Decree of 9 May 1994, no. 487 (Rules on access to employment in the public administration and procedures for the conduct of contests) as amended;
- Given the Law of 15 May 1997, no. 127 (Urgent measures for the streamlining of administration and decision and control procedures) as amended;
- Given the Presidential Decree of 28 December 2000, no. 445 (Consolidated Law on administrative documentation) as amended;



- Given the Decree Law of 30 March 2001, no. 165 (Consolidated Law on public employment) as amended;
- Given the Decree Law of 31 May 2010, no. 78, converted with amendments by the Law of 30 July 2010, no. 122 (Measures on financial stabilisation and economic competitiveness) as amended;
- Given the Law of 23 December 2005, no. 266 (Finance Act 2006) as amended, and in particular art. 1, para. 188 which states that "..... for universities they are made, however, except for engagements on a temporary basis and the signing of project contract employment contracts for the implementation of research and technological innovation projects or of projects aimed at improving services for students, including educational services, whose costs are not charged to the operating budgets of the institutions or the finance fund of the institutions or the ordinary finance fund of the universities.";
- Given art. 24-bis of the Law of 30 Dec 2010, no. 240 (Rules on organisation of universities, academic staff and recruitment, as well as powers to the Government to boost the quality and efficiency of the university system);
- Given the Decree Law of 15 June 2015 no. 81 (Organic framework for employment contracts and revision of regulations relating to jobs, pursuant to article 1, para. 7, of the Law of 10 December 2014, no. 183);
- Given the Decree Law of 25 May 2017, no. 75 (Amended and integrated to Decree Law of 30 March 2016, pursuant to art. 16, para. 1, let. a) and 2, let. b), c), d) and e) and 17, para. 1, let. a), c), e), f), g), h), l), m), n), o), q), r), s) and z), of the Law of 7 August 2015, no. 124, Rules on organisation of public administrations);
- Given the National Collective Labour Agreement of the University Sector, signed on 16 October 2008;
- Given the National Collective Labour Agreement of the Education and Research Sector 2016-2018, signed on 19 April 2018;
- Given the Director-General's Decree no. 92/2019 of 6th February 2019, by which the publication of an announcement of public selection was authorized, based on qualifications and interview, for the engagement of 1 temporary level I technologist, full-time contest sector 01/B1 Informatics, for the duration of 36 months, possibly renewable, at the Department of Mathematics and Geosciences of the University of Trieste, according to the Excellent Departments Project (DIPECCELLENZA-MATGEOSC);
- Referring to the Regulations for Eligibility for employment of technical and administrative staff at the University of Trieste;
- Referring to the Regulations for recruitment and guidelines on temporary Technologists under art. 24-bis of the Law of 30 December 2010, no. 240 of the University of Trieste:

DECREES

Art. 1 – Announcement and profile requested

A public selection is announced at the Department of Mathematics and Geosciences of the University of Trieste, based on qualifications and interview, to engage 1 temporary



level I technologist, full-time, contest sector 01/B1 – Informatics, for the duration of 36 months, possibly renewable, for temporary requirements linked to support the scientific responsible of the Excellent Departments Project, for temporary needs related to scientific administration and research, connected with the project funded under the scheme of excellence departments by the Italian ministry of Education, University and Research (MIUR), focused on the development of methods and technologies of data science and scientific computing, with applications in geosciences.

The University of Trieste guarantees equality and equal opportunities for men and women in access to employment and treatment at work, in accordance with art. 7 para. 1 of Decree Law No. 165/2001.

Pursuant to art. 2 of the "Regulations for recruitment and guidelines of temporary Technologists under art. 24-bis of the Law of 30 December 2010, no. 240 of the University of Trieste", the level I technologist will perform tasks of planning and managing activities of the projects involved in the call. Furthermore, he/she will coordinate technical skills, also in the project fields, where professional skills are required. He/she will be responsible for the quality and the cost of the achievements obtained.

For the purpose of this selection, the following knowledge and skills are required from the candidate:

- a) knowledge of scientific computing, with focus on HPC competences, from the technological and algorithmical point of view;
- b) knowledge of data science, with focus on big data management and machine learning;
- c) knowledge of HPC technological infrastructures, both architecturally and for what concerns management;
- d) knowledge of methods, algorithms, software infrastructures and HPC programming languages;
- e) knowledge of methods for data management, also in reference to big data;
- f) knowledge of algorithmic methods for data science;
- g) writing of scientific reports for project and project management.

Art. 2 - Requirements for admission

For admission to the selection, possession of all of the following requirements is requested:

a) educational qualification:

- bachelor's degree in scientific technological classes (L08, L09, L30, L31, L35, L41) and equivalent degrees under Interministerial Decree of the Minister of Education, Universities and Research in concert with the Minister for Public Administration and Innovation of 9 July 2009 (Official Gazette of 7 October 2009 no. 233) and Interministerial Decree of the Minister of Education, Universities and Research of 11 November 2011 (Official Gazette of 22 February 2012 no. 44).
- professional qualification: not than less 4 years period of previously activities performed/experience in research projects, in the fields of the research involved in the call.

Or:



- master's degree (LM, Laurea magistrale) in scientific technological classes LM17, LM 18, LM 20, LM 21, LM 22, LM 25, LM 27, LM 28, LM 29, LM 30, LM 31, LM 32, LM 40, LM 44, LM 82, LM 83, LM 91 and equivalent degrees under Interministerial Decree of the Minister of Education, Universities and Research in concert with the Minister for Public Administration and Innovation of 9 July 2009 (Official Gazette of 7 October 2009 no. 233) and Interministerial Decree of the Minister of Education, Universities and Research of 11 November 2011 (Official Gazette of 22 February 2012 no. 44);
- professional qualification: not than less 2 years period of previously activities performed/experience in research projects, in the fields of the research involved in the call, or Ph.D..

Applicants who have obtained the qualification abroad must declare in the application:

- details about the equivalence to the bachelor's degree issued by an Italian University;
- alternatively, pursuant to art. 38 of Decree Law 165/2001, details of the application to the Department of Public Administration [*Dipartimento della Funzione Pubblica*] for the equivalence of the qualification, for the sole purpose of admission to the selection;
- b) age not less than 18 years;
- c) Italian citizenship (Italians not belonging to the Republic of Italy are equivalent to Italian citizens). This requirement is not required for the citizens of a Member State of the European Union and their family members who are not nationals of a Member State that have a right of residence or a right of permanent residence and for third country nationals who are holders of the EC right of residence for long-term residents or who hold refugee status or subsidiary protection status;
- d) enjoyment of political rights;
- e) medical fitness to carry out the activity envisaged;
- f) compliance, for Italian citizens born up to 1985, with the laws on military recruitment.

Those excluded from the right to vote and those dismissed from employment with a public administration for persistent inadequate performance cannot take part in the selection, nor those who have forfeited other state employment in accordance with art. 127, first paragraph, point d) of the Consolidated Law on the provisions concerning the charter for civil servants of the state, approved by Presidential Decree 3/1957.

EU Member State nationals and their family members, holders of the right of residence or the right of permanent residence and third-country nationals who are holders of the long-term resident's EC residence permit or who hold refugee status or subsidiary protection status must comply with the following requirements, to be declared in the admission application:

- a) educational qualification equivalent to that required for Italian citizens (according to what is indicated in point a) above);
- b) exercise of civil and political rights in their countries of citizenship or origin;
- c) possession, except holding Italian citizenship, of all other requirements for the citizens of the Italian Republic;
- d) adequate knowledge of the Italian language.

The above requirements must be met at the deadline for the submission of applications for admission to the selection.



Candidates are admitted conditionally. Candidates may be excluded from the selection for failure to meet the required conditions at any time.

Art. 3 - Presentation of the application: deadlines and procedure

Applications for admission must be made on the printed form attached or on plain paper containing all the statements required and should be addressed to the Director-General of the University of Trieste - Piazzale Europa 1.

Applications must be received by the strict deadline of 20 days commencing from the day following publication of this announcement on the Official Register of the University, link: www.units.it/ateneo/albo/, and on the website of the University of Trieste: www.units.it/, link: Contests, selections and consultations, in one of the following ways:

- a) Delivery to the Technical and Administrative Staff Management Department, University of Trieste, Piazzale Europa 1-TRIESTE (Building A, ground floor, left wing, Monday through Friday, hours for reception from 11 am to 1 pm).
- b) Despatch by registered post with acknowledgement of receipt. Applications are considered valid if despatched by the deadline. For this purpose the stamp and date of the accepting post office shall be definitive.

The address on the envelope should be as follows:
To The Director-General of the University of Trieste
Technical and Administrative Staff Management Department
"Concorso tecnologo informatico DMG 2019".
Piazzale Europa, 1 - 34127 TRIESTE

c) With a certified (PEC) email message from a certified (PEC) email address of the candidate, to the address: ateneo@pec.units.it. In this case, the application and curriculum vitae should be sent to the PEC mailbox indicated above, with the original of the application form and the curriculum vitae, duly completed and signed by the candidate with handwritten signature, scanned and attached in PDF format together with the scan of the original of a valid identity document.

This announcement will also be published in the Register of the Technical and Administrative Staff Management Department – Piazzale Europa no. 1 – Trieste.

In the application the candidates must declare:

- 1. first and last names and tax code;
- 2. the selection they intend to participate in;
- 3. date and place of birth;
- 4. to hold Italian citizenship or that of one of the Member States of the European Union or be a family member of a national of one of the EU member states, holding the right of residence or the right of permanent residence or to be a citizen of third countries that holds the EC right of residence or to be a long-term resident or a holder of refugee status or subsidiary protection status;
- 5. the municipality on whose electoral lists they are registered, or the reasons for non-registration or the deletion from such lists;
- 6. any criminal convictions (even if a legal amnesty, pardon, or remission has been granted) and any criminal proceedings pending;



- 7. to be in possession of the educational qualification, indicating the year and the University/Institute where it was obtained, and the professional requirements for admission to the selection, specified in detail in art. 2 a);
- 8. the position served in regarding military obligations for those born up to 1985;
- any services provided to public administrations and the causes for termination of previous public employment;
- 10. current residence and address, complete with post code for any communications (to be updated by the candidate in case of change);
- 11. any qualifications giving the right to preference in the event of equal scores;
- 12. any gradable qualifications.

The application shall be accompanied by the following:

- a. a curriculum vitae current at the date of presentation of the application;
- b. a photocopy of an identity document.

The gradable qualifications referred to in para. 12 above must be relevant and qualifying for the post in question and must be produced either with a self-certification document or an affidavit (using the relevant forms). Applicants must indicate the necessary references under penalty of non-grading.

Applicants must pay a fee, non-refundable, of € 5.00 to the bank account IBAN IT 19 M 02008 02223 000003623364 with Unicredit Banca (for payments from abroad the BIC/SWIFT code: UNCRITB10UC must be indicated), made payable to University of Trieste, indicating obligatorily the reference "Concorso tecnologo informatico DMG 2019" as well as the first and last names of the participant in the selection.

The payment receipt must be attached to the application form. In any case, only candidates who have correctly paid the contribution mentioned above will be admitted to the interview.

Candidates with disabilities must specify in their application any aids required during the interview. Under articles 4 and 20 of Law 104/1992, the requirement must be documented by an appropriate certificate issued by the competent local public health authority.

No account will be taken of applications produced or sent after the deadline and that do not contain the information specified in this article. The omission of even a single declaration will result in exclusion from the selection.

The Administration accepts no responsibility for the loss of documents due to errors in the address by the candidate or missed or late changes of the address indicated in the application. Any postal or telegraphic errors or errors otherwise attributable to actions by third parties, unforeseeable circumstances or force majeure will not be the liability of the Administration.

Art. 4 - Board of Examiners

The Board of Examiners for the selection will be appointed in accordance with current regulations.

Art. 5 - Procedure for qualifications and interview

The procedure is based on qualifications and exams. The overall score, expressed in hundreds, is determined by adding the score given in the oral test and the score awarded in the evaluation of the qualifications.

The selection consists in the evaluation of qualifications referred to in art. 6 of this announcement and an interview, designed to test the knowledge of the exam topics as per art. 7.

The overall score is 100 points, broken down as follows:

a) qualifications: 60 points;

b) interview: 40 points.

Art. 6 - Qualifications

Qualifications should be presented in the manner prescribed in art. 3 of this announcement.

Only qualifications that are relevant and qualifying for the post in question will be assessed.

The highest score attributable to qualifications is 60 points, broken down as follows:

- a) educational and academic qualifications: up to a maximum of 26 points, calculated as follows:
 - Bachelor's degree or master's degree (LM, Laurea magistrale or LS, Laurea Specialistica) or old order degree (Laurea vecchio ordinamento) grade: up to a maximum of 10 points, calculated as follows:

Bachelor's grade	Points
78 – 90	2
91 – 100	4
101 – 110	7
110 and distinction	10

- Higher degree (Master's degree (magistrale or specialistica or old order)): 6
 points
- Ph.D. in the field of the research sector involved in the call, if not presented as requirement for admission (art. 2, let. a)): 10 points
- b) service qualifications: activities performed, including not continuously, with contract concluded with university administrations or other public and private administrations, of previously activities performed/experience in research projects, in the fields of the research involved in the call: up to a maximum of 9 points, calculated as follows:
 - 1.75 points per 4 months for activities carried out in public University;
 - 1.25 points per 4 months for activities carried out in public administrations;
 - 1 point per 4 months for activities performed in private administrations.
- c) other qualifications: up to a maximum of 25 points, calculated as follows:
 - Publications: up to a maximum of 15 points;
 - Presentations at conferences and congresses: up to a maximum of 6 points;



 Other qualifications (teaching contracts, training courses): up to a maximum of 4 points.

Candidates are admitted to the interview who have obtained a score of not less than 36/60 in the evaluation of qualifications.

Art. 7 - Interview

The selection features an interview, including in English, on the matters set forth below:

- technology and management of HPC resources
- cloud computing and virtualization
- parallel programming and scientific computing
- · design and management of databases
- platforms and methods for big data management
- algorithms and software infrastructures for machine learning
- University of Trieste Statute.

To be considered suitable, candidates must achieve a score of at least 28/40 in the interview.

The Board sessions during the course of the interviews will be public.

The overall score is determined by adding the score assigned to the qualifications referred to in article 6 to the score in the interview.

Art. 8 - Dates for the selection

The result of the evaluation of the qualifications will be published on the Official Register of the University, link www.units.it/ateneo/albo/, and on the website of the University of Trieste, www.units.it, link "Contests, selections and consultations" on 18th March 2019.

Candidates who have not been notified of exclusion and who obtain a qualifications evaluation score of at least 36/60 should be present for the interview, on 22nd March 2019 at 10 am at the "Aula seminari", 3rd floor, H2bis building, Via Valerio no. 12/1, Trieste.

The publication of these dates shall serve as a valid notification for all intents and purposes.

Candidates should come to the interview with an identity document that is valid in accordance with current legislation.

The outcome of the interview will be published on the Official Register of the University, link www.units.it/ateneo/albo/, and on the website of the University of Trieste, www.units.it, link "Contests, selections and consultations" on 22nd March 2019.

Art. 9 - Qualifications giving the right to preference in the event of equal scores

In the case of equal scores, candidates who pass the selection and intend to assert the value of qualifications giving the right to preference should present the appropriate declaration of certification or affidavit, on the form for the purpose, in which will be evidenced the possession of the requirement at the expiry date for submission of the application for admission to the selection.



The strict deadline for submission of the above-mentioned declaration is fifteen days from the day following that on which the candidates will have taken the oral test.

The declaration of certification must be sent to the Director-General of the University of Trieste – Technical and Administrative Staff Management Department – Piazzale Europa, 1 – 34127 Trieste and will also be deemed produced in good time if sent by certified email (PEC) in the manner specified in art. 3 c) or registered mail, with acknowledgment of receipt, by the deadline indicated above. To this end the datestamp of the accepting post office shall be definitive.

Qualifications giving the right to preference are as follows:

- 1) those awarded the medal for military valour;
- 2) maimed and disabled war veterans;
- 3) those maimed and disabled by war;
- 4) those maimed and disabled in service in the public and private sectors;
- 5) war orphans;
- 6) orphans of those fallen because of war;
- 7) orphans of those fallen in service in the public and private sectors;
- 8) those wounded in combat;
- 9) those awarded the military cross or other special recognition of merit in war, as well as the heads of large families;
- 10) the children of maimed and disabled war veterans:
- 11) the children of those maimed and disabled by war;
- 12) the children of those maimed and disabled in service in the public and private sectors;
- 13) widowed parents who have not remarried and widowed or unmarried brothers and sisters of the fallen in war;
- 14) widowed parents who have not remarried and widowed or unmarried brothers and sisters of the fallen because of war;
- 15) widowed parents who have not remarried and widowed or unmarried brothers and sisters of the fallen in service in the public and private sectors;
- 16) those who have served in the military as combatants;
- 17) those who have rendered commendable service in any capacity, for not less than one year in the administration that has announced the selection;
- 18) those married and unmarried taking heed of the number of dependent children;
- 19) maimed and disabled civilians:
- 20) military volunteers of the armed forces discharged without demerit at the end of their enrolment or re-enrolment.

With equal merit and qualifications, preference is given to:

- a) the youngest candidate
- b) the highest score given in the educational qualification required for admission to the selection

Art. 10 - Classification

The decree of the Director-General of the University of Trieste has approved the documents relating to the selection and the classification by merit, drawn up in descending order resulting from the score referred to in articles 6 and 7, observing, in the case of equal scores, the preferences provided for by art. 9 of this announcement.



The classification by merit will be published on the Official Register of the University, link www.units.it/ateneo/albo/, on the website of the University of Trieste, www.units.it, link "Contests, selections and consultations" and affixed to the Notice Board of the Technical and Administrative Staff Management Department – Piazzale Europa no. 1 – Trieste.

The deadline for appeals starts the day following the publication and posting of the classification.

The classification remains effective for a period of three years from the date of the aforementioned publication, subject to the extensions provided for by subsequent rules. It does not give rise to statements of suitability for the selection.

Art. 11 - Production of the employment contract

The University of Trieste will produce a salaried employment contract for the temporary full-time level I technologist, with the right to the economic and regulatory conditions foreseen by the "Regulations for recruitment and guidelines on temporary Technologists under art. 24-bis of the Law of 30 December 2010, no. 240 of the University of Trieste" and the current National Collective Labour Agreement of the University sector, during the validity of the classification and in accordance with current regulations on recruitment after ascertaining the availability of the necessary funds.

Under art. 9 of the "Regulations for recruitment and guidelines on temporary Technologists under art. 24-bis of the Law of 30 December 2010, no. 240 of the University of Trieste", the trial period will be thirty days of service actually provided.

For any other matter relating to the guidelines on the employment contract, please refer to the provisions under the "Regulations for recruitment and guidelines on temporary Technologists pursuant to art. 24-bis of the Law of 30 December 2010, no. 240 of the University of Trieste" and the current National Collective Labour Agreement of the University sector.

The place of employment is the Department of Mathematics and Geosciences of the University of Trieste.

The employee, during the term of the employment contract, cannot have other employment in the public sector, nor be in any of the situations of incompatibility mentioned by art. 53 of Decree Law 165/2001. The person concerned cannot carry out activities in conflict with the institutional activities of the University of Trieste.

Art. 12 - Submission of documentation for engagement

Within a period of thirty days from the date of the actual engagement into service or of the formal request, the staff member engaged, for the purposes of establishing eligibility for employment, will be invited, under penalty of forfeiture, to demonstrate, under the procedures laid down by the regulations in force, the possession of the requirements expected for engagement to employment, as specified in art. 2 of this announcement.

Physical fitness for employment, with reference to the activities that characterise the job in question, will be ascertained by the Medical Officer of the University of Trieste.

Art. 13 - Personal and sensitive data

Pursuant to the Regulation (EU) 2016/679, the personal and sensitive data provided by applicants is collected by the University of Trieste - Technical and Administrative Staff Management Office - for the purposes of conducting the selection and is processed using an automated database, including after the establishment of the employment relationship, for purposes related to the management of the relationship itself.

Communication of the said data is required for the appraisal of participation requirements, under penalty of exclusion from the selection. The persons concerned shall enjoy the rights mentioned in Chapter III of the Regulation (EU) 2016/679, among which is the right of access to data relating to them.

Art. 14 – Manager of the process and responsible department

Pursuant to Law 241/1990 and in particular art. 5, the manager of the contest process will be Dr. Giovanna Locascio – Head of the Technical and Administrative Staff Management Department.

The Technical and Administrative Staff Management Department is responsible for implementation of these measures which will be recorded in the general register of decrees.

Art. 15 - Final rules

For whatever matters are not covered by this announcement, the provisions laid down by the regulations in force shall apply and, in particular, by Presidential Decree 487/1994 as modified and the provisions of the National Collective Labour Agreement of the University sector in force relating to employment contracts.

Trieste, 1 2 FFB 2019

The Director-General Maria Pia Turinetti di Priero

Law 241/1990 - Manager of the process: Dr. Giovanna Locascio